

JVC

CD RECEIVER

CD-RECEIVER

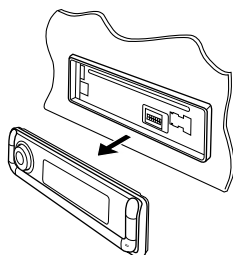
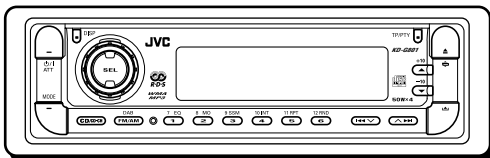
RECEPTEUR CD

CD-RECEIVER

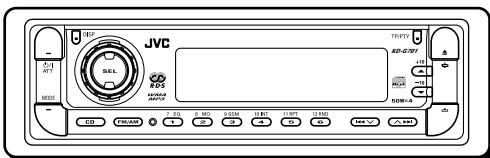
KD-G801/KD-G701



KD-G801



KD-G701



- This unit is equipped with the display demonstration. To cancel it, see page 8.
- Dieses Gerät ist mit einer Demonstrationsfunktion für das Display ausgestattet. Auf Seite 8 wird beschrieben, wie Sie diese Demonstrationsfunktion deaktivieren können.
- Cet appareil est équipé d'une fonction de démonstration des affichages. Pour l'annuler, référez-vous à la page 8.
- Dit toestel heeft een display-demonstratiefunctie. Zie bladzijde 8 voor het annuleren van deze functie.

For installation and connections, refer to the separate manual.

Für den Einbau und die Anschlüsse siehe das eigenständige Handbuch.

Pour l'installation et les raccordements, se référer au manuel séparé.

Bijzonderheden over de installatie en aansluiting van het apparaat vindt u in de desbetreffende handleiding.

INSTRUCTIONS

BEDIENUNGSANLEITUNG

MANUEL D'INSTRUCTIONS

GEBRUIKSAANWIJZING

GET0199-001A

[E/EX]

ENGLISH

DEUTSCH

FRANÇAIS

NETERLANDS

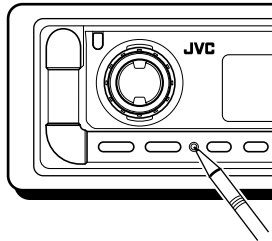
IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION: Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL: Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (e)	VARNING: Synlig og usynlig laserstråling når den öppnas och spårren är urkopplad. Beträkta strålen. (d)	VARO: Avattassa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyväle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan ihteeseen. (f)
--	---	--	--

How to reset your unit

Press the reset button on the control panel using a ball-point pen or similar tool. This will reset the built-in microcomputer.

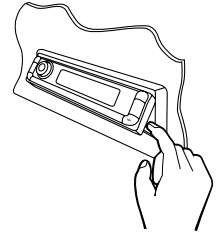


Note:

Your preset adjustments—such as preset channels or sound adjustments—will also be erased.

CAUTION:

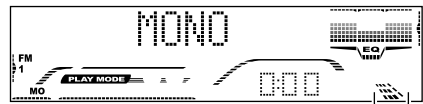
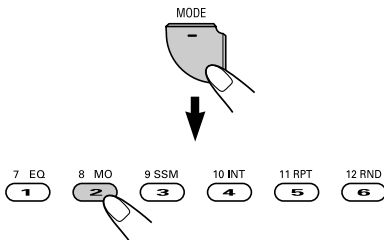
NEVER insert your finger in between the control panel and the unit, as it may get caught or hurt. (See page 40.)



How to use the MODE button

If you press MODE, the unit goes into functions mode, then the number buttons and ▲/▼ buttons work as different function buttons.

Ex.: When number button 2 works as MO (monaural) button.



Time countdown indicator

To use these buttons for original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

Note:

For security reasons, a numbered ID card is provided with this unit, and the same ID number is imprinted on the unit's chassis. Keep the card in a safe place, as it will help the authorities to identify your unit if stolen.

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

CONTENTS

How to reset your unit	2	SOUND ADJUSTMENTS	31
How to use the MODE button	2	Adjusting the sound	31
LOCATION OF THE BUTTONS	4	Selecting preset sound modes (iEQ: intelligent equalizer)	32
Control panel	4	Storing your own sound adjustments	33
Remote controller	5	OTHER MAIN FUNCTIONS	34
Preparing the remote controller	6	Changing the general settings (PSM)	34
BASIC OPERATIONS	7	Assigning names to CDs	39
Turning on the power	7	Changing the control panel angle	40
Canceling the display demonstration	8	Detaching the control panel	41
Setting the clock	9	CD CHANGER OPERATIONS	
RADIO OPERATIONS	10	(only for KD-G801)	42
Listening to the radio	10	Playing discs	42
Storing stations in memory	11	Selecting the playback modes	45
Tuning in to a preset station	13	EXTERNAL COMPONENT OPERATIONS	
RDS OPERATIONS	14	(only for KD-G801)	47
What you can do with RDS	14	Playing an external component	47
Other convenient RDS functions and adjustments	19	DAB TUNER OPERATIONS	
CD OPERATIONS	21	(only for KD-G801)	48
Playing a CD	21	Tuning in to an ensemble and one of the services	48
Locating a track or a particular portion on a CD	22	Storing DAB services in memory	49
Selecting CD playback modes	23	Tuning in to a preset DAB service	50
Playing a CD Text	24	What you can do more with DAB	51
Prohibiting disc ejection	24	ADDITIONAL INFORMATION	52
MP3/WMA INTRODUCTION	25	TROUBLESHOOTING	53
What are MP3/WMA?	25	MAINTENANCE	56
How are MP3/WMA files recorded and played back?	25	Handling discs	56
MP3/WMA OPERATIONS	26	SPECIFICATIONS	57
Playing a disc	26		
Locating a file or a particular portion on a disc	27		
Selecting the playback modes	29		

BEFORE USE

*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

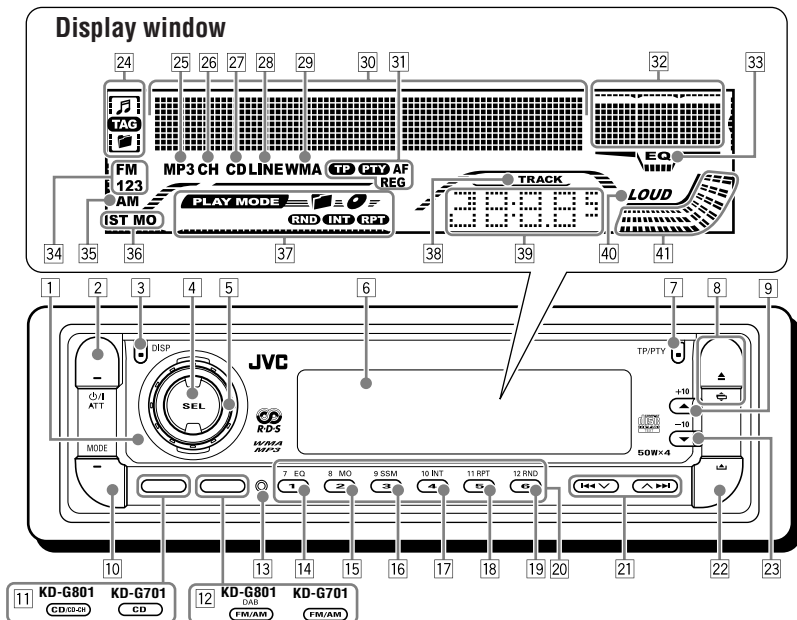
*Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.



LOCATION OF THE BUTTONS

Control panel



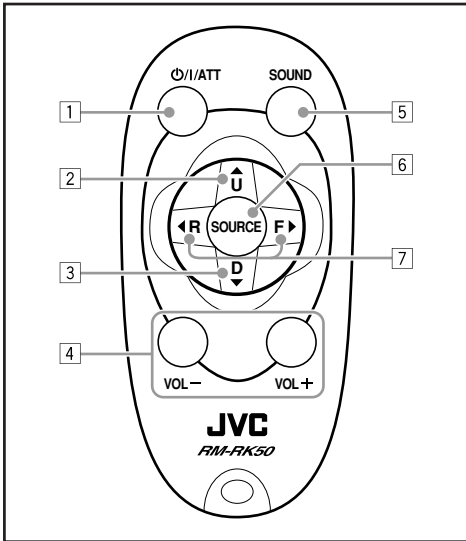
- 1 Remote sensor
- 2 Φ /I ATT (standby/on attenuator) button
- 3 DISP (display) button
- 4 SEL (select) button
- 5 Control dial
- 6 Display window
- 7 TP/PTY (traffic programme/programme type) button
- 8 \blacktriangle (eject) button / \curvearrowright (angle) button
- 9 \blacktriangle (up) button / +10 button
- 10 MODE button
- 11 *For KD-G801:* CD/CD-CH (CD changer) button
For KD-G701: CD button
- 12 *For KD-G801:* FM/AM DAB button
For KD-G701: FM/AM button
- 13 Reset button
- 14 EQ (equalizer) button
- 15 MO (monaural) button
- 16 SSM (Strong-station Sequential Memory) button
- 17 INT (intro) button
- 18 RPT (repeat) button
- 19 RND (random) button
- 20 Number buttons
- 21 $\blacktriangle\blacktriangle\blacktriangle$ ∇ / \blacktriangle $\blacktriangleright\blacktriangleright\blacktriangleright$ buttons
- 22 \blacktriangle (control panel release) button
- 23 ∇ (down) button / -10 button

Display window

- 24 Disc information indicators— 🎵 (track/file), TAG (ID3 Tag), 📁 (folder)
- 25 MP3 indicator
- 26 *Only for KD-G801:* CH (CD changer) indicator
- 27 CD indicator
- 28 *Only for KD-G801:* LINE indicator
- 29 WMA indicator
- 30 Main display
- 31 RDS indicators—TP, PTY, AF, REG
- 32 Equalizer pattern indicator
Audio level indicator
- 33 EQ (equalizer) indicator
- 34 FM band indicators—FM1, FM2, FM3
- 35 AM band indicator
- 36 Tuner reception indicators—ST (stereo), MO (monaural)
- 37 Play mode indicators— 📁 (folder), 🎵 (disc), RND (random), INT (intro), RPT (repeat)
- 38 TRACK indicator
- 39 Source/clock display
- 40 LOUD (loudness) indicator
- 41 Audio level indicator
Volume level indicator



Remote controller



- 1 • Turns on the unit if pressed when the unit is turned off.
 - Turns off the unit if pressed and held until “SEE YOU” appears on the display.
 - Drops the volume level in a moment if pressed briefly.
Press again to resume the volume.
 - 2 • Selects the band while listening to the radio (or the DAB tuner*).
Each time you press the button, the band changes.
 - Skips to the first file of the next folder while listening to an MP3 or a WMA disc.
Each time you press the button, you can move to the next folder and start playing the first file.
 - While playing an MP3 disc on an MP3-compatible CD changer*;
 - Skips to the next disc if pressed briefly.
 - Skips to the next folder if pressed and held.
- Note:** While playing a CD on a CD changer, this always skips to the next disc.

- 3 • Selects the preset stations (or services*) while listening to the radio (or the DAB tuner*).
Each time you press the button, the preset station (or service*) number increases, and the selected station (or service*) is tuned in.
 - Skips to the first file of the previous folder while listening to an MP3 or a WMA disc.
Each time you press the button, you can move to the previous folder and start playing the first file.
 - While playing an MP3 disc on an MP3-compatible CD changer*;
 - Skips to the previous disc if pressed briefly.
 - Skips to the previous folder if pressed and held.
- Note:** While playing a CD on a CD changer, this always skips to the previous disc.

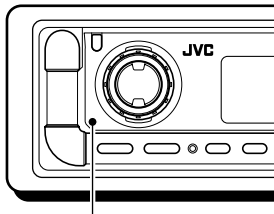
- 4 Functions the same as the control dial on the main unit.
Note: These buttons do not function for the preferred setting mode (PSM) adjustment.
- 5 Selects the sound mode (iEQ: intelligent equalizer).
Each time you press the button, the sound mode (iEQ) changes.
- 6 Selects the source.
Each time you press the button, the source changes.
- 7 • Searches for stations while listening to the radio.
- Selects services while listening to the DAB tuner if pressed briefly*.
- Searches for ensembles while listening to the DAB tuner if pressed and held*.
- Fast-forwards or reverses the track/file if pressed and held while listening to a disc.
- Skips to the beginning of the next track/file or goes back to the beginning of the current (or previous) tracks/files if pressed briefly while listening to a disc.

* Only for KD-G801.

Preparing the remote controller

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.



Remote sensor

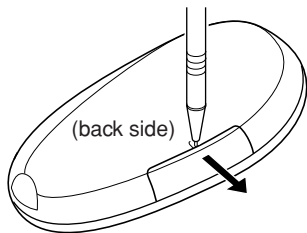
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

Installing the battery

When the controllable range or effectiveness of the remote controller decreases, replace the battery.

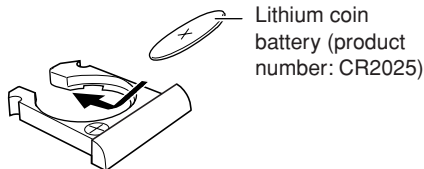
1. Remove the battery holder.

- 1) Push out the battery holder in the direction indicated by the arrow using a ball-point pen or a similar tool.
- 2) Remove the battery holder.



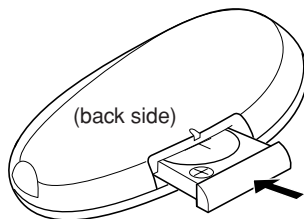
2. Place the battery.

Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.



3. Return the battery holder.

Insert again the battery holder by pushing it until you hear a clicking sound.



WARNING:

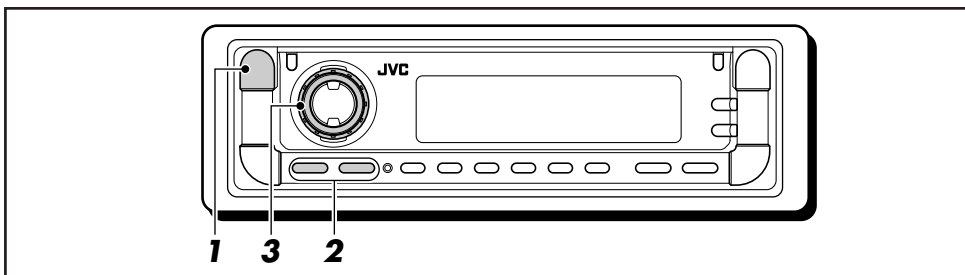
- Store the battery in a place where children cannot reach.
If a child accidentally swallows the battery, consult a doctor immediately.
- Do not recharge, short, disassemble, or heat the battery or dispose of it in a fire.
Doing any of these things may cause the battery to give off heat, crack, or start a fire.
- Do not leave the battery with other metallic materials.
Doing this may cause the battery to give off heat, crack, or start a fire.
- When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may start to give off heat, crack, or start a fire.
- Do not poke the battery with tweezers or similar tools.
Doing this may cause the battery to give off heat, crack, or start a fire.

CAUTION:

DO NOT leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time. Otherwise, it may be damaged.

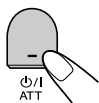
KD-G801 and KD-G701 are equipped with the steering wheel remote control function. If your car is equipped with the steering wheel remote controller, you can operate the unit using the controller.

- See the Installation/Connection Manual (separate volume) for connection to utilize this function.



Turning on the power

1 Turn on the power.



Note on One-Touch Operation:

When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

2 Select the source.



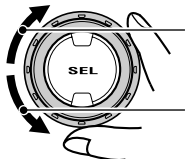
(For KD-G801)



(For KD-G701)

- To operate the tuner (FM or AM), see pages 10 – 20.
- To play a CD, see pages 21 – 24.
- To play an MP3/WMA disc, see pages 26 – 30.
- To operate the CD changer (only for KD-G801), see pages 42 – 46.
- To operate the external component (LINE IN—only for KD-G801), see page 47.
- To operate the DAB tuner (only for KD-G801), see pages 48 – 51.

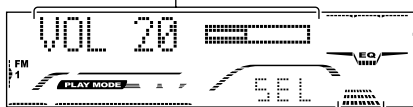
3 Adjust the volume.



To increase the volume

To decrease the volume

Volume level appears.



Volume level indicator

4 Adjust the sound as you want. (See pages 31 – 33.)

To drop the volume in a moment

Press ϕ /I ATT briefly while listening to any source. “ATT” starts flashing on the display, and the volume level will drop in a moment. To resume the previous volume level, press the button briefly again.

- If you turn the control dial, you can also restore the sound.

To turn off the power

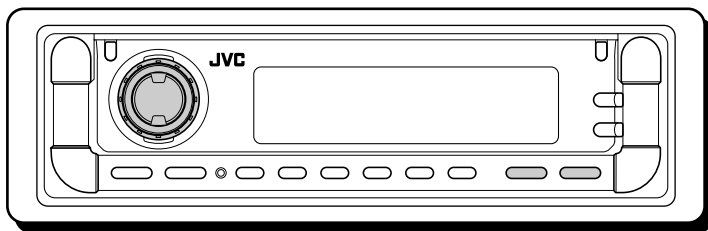
Press and hold ϕ /I ATT for more than one second.

“SEE YOU” appears, then the unit turns off.

- **If you turn off the power while listening to a disc**, disc play will start from where playback has been stopped previously, next time you turn on the power.

CAUTION on Volume Setting:

Discs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a disc and adjust it as required during playback.



Canceling the display demonstration

When shipped from the factory, display demonstration has been activated, and starts automatically when no operations are done for about 20 seconds.

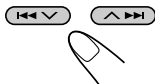
- It is recommended to cancel the display demonstration before you use the unit for the first time.

To cancel the display demonstration, follow the procedure below:

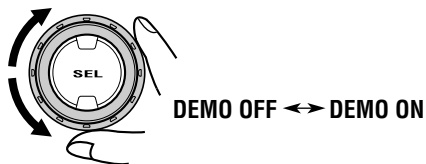
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 34 and 35.)**



- 2 Select "DEMO MODE" if not shown on the display.**



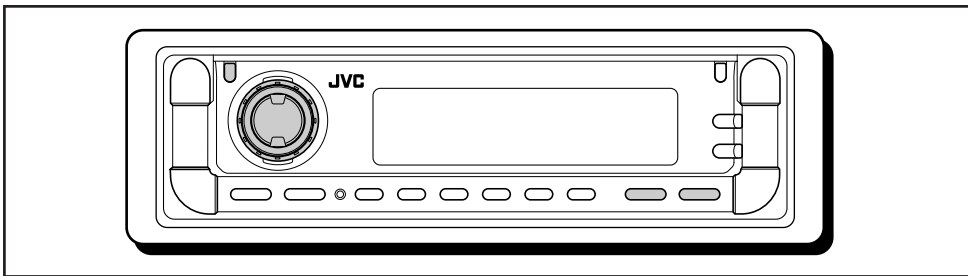
- 3 Select "DEMO OFF."**



- 4 Finish the setting.**



To activate the display demonstration, repeat the same procedure and select "DEMO ON" in step 3.



Setting the clock

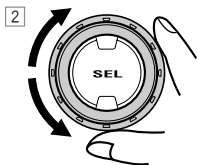
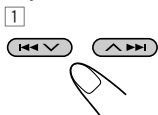
You can also set the clock system to either 24 hours or 12 hours.

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 34 and 35.)**



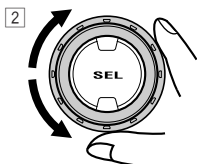
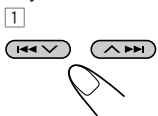
- 2 Set the hour.**

- 1 Select "CLOCK HOUR" if not shown on the display.
- 2 Adjust the hour.



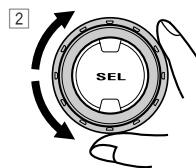
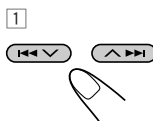
- 3 Set the minute.**

- 1 Select "CLOCK MINUTE."
- 2 Adjust the minute.



- 4 Set the clock system.**

- 1 Select "CLOCK24H/12H."
- 2 Select "CLOCK 24HOURL" or "CLOCK 12HOURL."



- 5 Finish the setting.**



Note:

To show the clock time on the display, see page 36.

To check other information during play, press DISP (display).

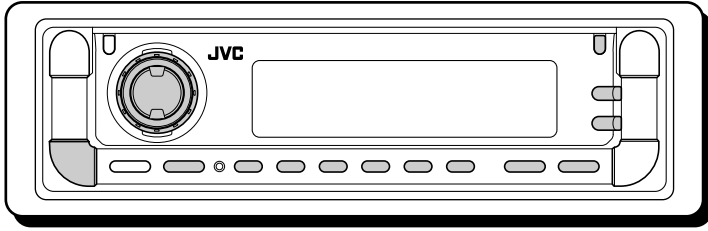


Each time you press the button, the other information will be shown on the lower part of the display. (See page 36 for details.)

- Pressing DISP (display) with the unit turned off will show the clock time for about 5 seconds.



RADIO OPERATIONS

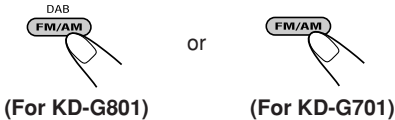


Listening to the radio

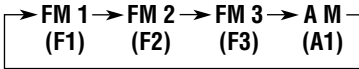
You can use either automatic searching or manual searching to tune in to a particular station.

Searching for a station automatically: Auto search

1 Select the band (FM1 – 3, AM).



Each time you press the button, the band changes as follows:



Selected band appears*.



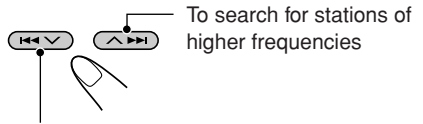
Lights up when receiving an FM stereo broadcast with sufficient signal strength.

* When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.

Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Start searching for a station.



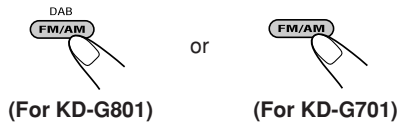
To search for stations of lower frequencies

When a station is received, searching stops.

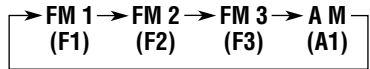
To stop searching before a station is received, press the same button you have pressed for searching.

Searching for a station manually: Manual search

1 Select the band (FM1 – 3, AM).



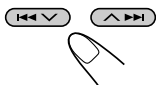
Each time you press the button, the band changes as follows:



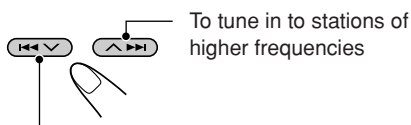
Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Press and hold or until “M” (manual) starts flashing on the display.



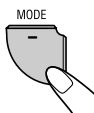
3 Tune in to a station you want while “M” (manual) is still flashing.



To tune in to stations of lower frequencies

- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing (in 50 kHz intervals for FM and 9 kHz for AM—MW/LW) until you release the button.

When an FM stereo broadcast is hard to receive:



1 Press MODE to enter the functions mode while listening to an FM stereo broadcast.



2 Press MO (monaural), while “MODE” is still on the display, so that “MONO” appears on the display.

Each time you press the button, the monaural mode turns on and off alternately.



MO (monaural) indicator

When the MO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved.

Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2, and FM3).

1 Select the FM band (FM1 – 3) you want to store FM stations into.



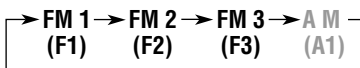
(For KD-G801)

or



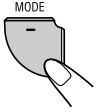
(For KD-G701)

Each time you press the button, the band changes as follows:





2 Press MODE to enter the functions mode.



3 Press and hold SSM for about 2 seconds.



“SSM” appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2, or FM3). These stations are preset in the number buttons—No.1 (lowest frequency) to No.6 (highest frequency).

When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

Manual preset

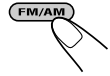
You can preset up to 6 stations in each band (FM1, FM2, FM3, and AM) manually.

Ex.: Storing FM station of 92.5 MHz into the preset number 1 of the FM1 band.

1 Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).



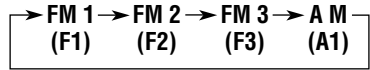
or



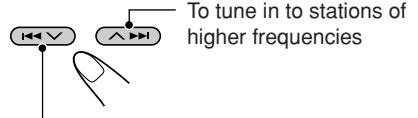
(For KD-G801)

(For KD-G701)

Each time you press the button, the band changes as follows:



2 Tune in to a station (in this example, of 92.5 MHz).



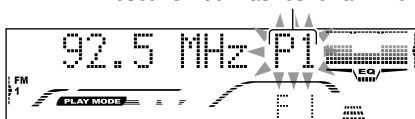
To tune in to stations of lower frequencies



- 3** Press and hold the number button (in this example, 1) for more than 2 seconds.



Preset number flashes for a while.



- 4** Repeat the above procedure to store other stations into other preset numbers.

Notes:

- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on pages 11 – 13.

- 1** Select the band (FM1 – 3, AM).



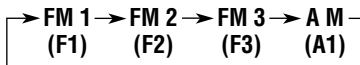
or



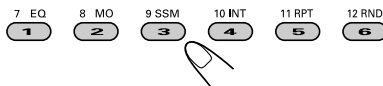
(For KD-G801)

(For KD-G701)

Each time you press the button, the band changes as follows:



- 2** Select the number (1 – 6) for the preset station you want.



Note (only for KD-G701):

You can also use the ▲ (up) or ▼ (down) button on the unit to select the next or previous preset stations. Each time you press the ▲ (up) or ▼ (down) button, the next or previous preset station is tuned in.



What you can do with RDS

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular programme signals. For example, the stations send their station names, as well as information about what type of programme they broadcast, such as sports or music, etc.

Another advantage of RDS function is called "Enhanced Other Networks." By using the Enhanced Other Networks data sent from a station, you can tune in to a different station of a different network broadcasting your favorite programme or traffic announcement while listening to another programme or to another source such as CD.

By receiving the RDS data, this unit can do the following:

- Tracing the same programme automatically (Network-Tracking Reception)
- Standby Reception of TA (Traffic Announcement) or your favorite programme
- PTY (Programme Type) search
- Programme search
- And some other functions

Tracing the same programme automatically (Network-Tracking Reception)

When driving in an area where FM reception is not good, the tuner built in this unit automatically tunes in to another RDS station, broadcasting the same programme with stronger signals. So, you can continue to listen to the same programme in its finest reception, no matter where you drive. (See the illustration on page 20.)

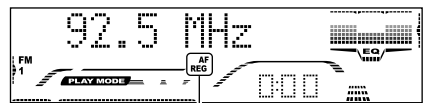
Two types of the RDS data are used to make Network-Tracking Reception work correctly —PI (Programme Identification) and AF (Alternative Frequency).

Without receiving these data correctly from the RDS station you are listening to, Network-Tracking Reception will not operate.

To use Network-Tracking Reception

You can select the different modes of network-tracking reception to continue listening to the same programme in its finest reception. When shipped from the factory, "AF ON" is selected.

- **AF ON:** Network-Tracking Reception is activated with Regionalization set to "off." With this setting, the unit switches to another station within the same network when the received signals from the current station become weak. (In this mode, the programme may differ from the one currently received.) The AF indicator lights up but the REG indicator does not.
- **AF REG:** Network-Tracking Reception is activated with Regionalization set to "on." With this setting, the unit switches to another station, within the same network, broadcasting the same programme when the received signals from the current station become weak. Both the AF indicator and the REG indicator light up.
- **AF OFF:** Network-Tracking Reception is deactivated. Neither the AF indicator nor the REG indicator lights up.



AF and REG indicators

Note (only for KD-G801):

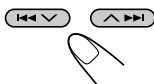
If a DAB tuner is connected and Alternative Reception (for DAB services) is activated, Network-Tracking Reception is also activated ("AF ON") automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Reception. (See page 51.)



- 1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 34 and 35.)



- 2** Select “AF-REG” (alternative frequency/regionalization reception) if not shown on the display.



- 3** Select the desired mode—“AF ON,” “AF REG,” or “AF OFF.”



- 4** Finish the setting.

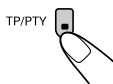


Using TA Standby Reception

TA Standby Reception allows the unit to switch temporarily to Traffic Announcement (TA) from the current source (another FM station, CD, or other connected components).

- *TA Standby Reception will not work if you are listening to an AM station.*

Press TP/PTY to activate TA Standby Reception.



- **When the current source is FM**, the TP indicator either lights up or flashes.

- If the TP indicator lights up, TA Standby Reception is activated.

If a station starts broadcasting a traffic announcement, “TRAFFIC” appears on the display, and this unit automatically tunes in to the station. The volume changes to the preset TA volume level (see page 19) and the traffic announcement can be heard.

- If the TP indicator flashes, TA Standby Reception is not yet activated since the station being received does not provide the signals used for TA Standby Reception.

To activate TA Standby Reception, you need to tune in to another station providing these signals. Press \blacktriangle \blacktriangleright or \blacktriangleleft \blacktriangledown to search for such a station.

When a station providing these signals is tuned in, the TP indicator stops flashing and remains lit. Now TA Standby Reception is activated.

- **When the current source is other than FM**, the TP indicator lights up.

If a station starts broadcasting a traffic announcement, “TRAFFIC” appears on the display, and this unit automatically changes the source and tunes in to the station.

To deactivate the TA Standby Reception, press TP/PTY again. The TP indicator disappears.



Using PTY Standby Reception

PTY Standby Reception allows the unit to switch temporarily to your favorite programme (PTY: Programme Type) from the current source (another FM station, CD, or other connected components).

- *PTY Standby Reception will not work if you are listening to an AM station.*

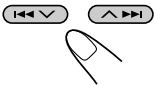
You can select your favorite programme type for PTY Standby Reception.

When shipped from the factory, PTY Standby Reception is turned off. ("OFF" is selected for PTY Standby Reception.)

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 34 and 35.)**



- 2 Select "PTY STANDBY" if not shown on the display.**



- 3 Select one of the twenty-nine PTY codes. (See page 20.)**



Selected code name appears on the display and is stored into memory.

- 4 Finish the setting.**



- **When the current source is FM,** the PTY indicator either lights up or flashes.

- **If the PTY indicator lights up,** PTY Standby Reception is activated.

If a station starts broadcasting the selected PTY programme, this unit automatically tunes in to the station.

- **If the PTY indicator flashes,** PTY Standby Reception is not yet activated since the station being received does not provide the signals used for PTY Standby Reception.

To activate PTY Standby Reception, you need to tune in to another station providing these signals. Press **▲▶▶** or **◀◀▼** to search for such a station.

When a station providing these signals is tuned in, the PTY indicator stops flashing and remains lit. Now PTY Standby Reception is activated.

- **When the current source is other than FM,** the PTY indicator lights up.

If a station starts broadcasting the selected PTY programme, this unit automatically changes the source and tunes in to the station.

To deactivate the PTY Standby Reception, select "OFF" in step **3** on the left column. The PTY indicator disappears.



Searching your favorite programme

You can search any one of the PTY codes. In addition, you can store your 6 favorite programme types in the number buttons. When shipped from the factory, the following 6 programme types have been stored in the number buttons (1 to 6).

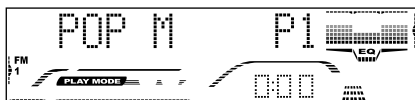
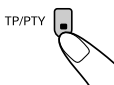
To store your favorite programme types, see below.

To search for your favorite programme type, see page 18.

1	2	3
POP M	ROCK M	EASY M
4	5	6
CLASSICS	AFFAIRS	VARIED

To store your favorite programme types

- 1 Press and hold TP/PTY for more than 2 seconds while listening to an FM station.



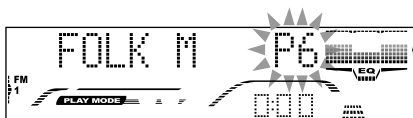
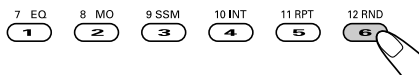
The last selected PTY code appears.

- 2 Select one of the twenty-nine PTY codes. (See page 20.)



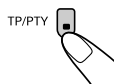
Selected code name appears on the display.

- 3 Press and hold the number button for more than 2 seconds to store the PTY code selected into the preset number you want.



Ex.: When you select "FOLK M"

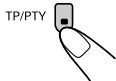
- 4 Press and hold TP/PTY for more than 2 seconds to exit from this mode.





To search for your favorite programme type

1 Press and hold TP/PTY for more than 2 seconds while listening to an FM station.



The last selected PTY code appears.

2 To select one of your favorite programme type

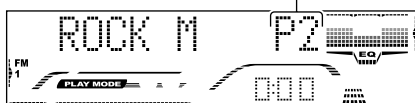


or

To select any one of the twenty-nine PTY codes



Preset number appears only if you select a PTY code using the number buttons.



Ex.: When "ROCK M" is selected

3 Press \wedge \ggg or \lll \vee to start PTY search for your favorite programme.



- If there is a station broadcasting a programme of the same PTY code as you selected, that station is tuned in.
- If there is no station broadcasting a programme of the same PTY code as you selected, the station will not change.

Note:

In some areas, the PTY search will not work correctly.



Other convenient RDS functions and adjustments

Automatic selection of the station when using the number buttons

Usually when you press the number button, the preset station is tuned in.

However, when the preset station is an RDS station, something different will happen. If the signals from that preset station are not sufficient for good reception, this unit, using the AF data, tunes in to another frequency broadcasting the same programme as the original preset station is broadcasting. (Programme search)

- The unit takes some time to tune in to another station using programme search.

To activate programme search, follow the procedure below.

- See also “Changing the general settings (PSM)” on pages 34 and 35.

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2 Press **▲ ►►** or **◄◄ ▼** to select “P(Programme)-SEARCH.”
- 3 Turn the control dial clockwise to select “SEARCH ON.”
Now programme search is activated.
- 4 Press SEL (select) to finish the setting.

To cancel programme search, repeat the same procedure and select “SEARCH OFF” in step 3 by turning the control dial counterclockwise.

Setting the TA volume level

You can preset the volume level for TA Standby Reception. When a traffic programme is received, the volume level automatically changes to the preset level.

- See also “Changing the general settings (PSM)” on pages 34 and 35.
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
 - 2 Press **▲ ►►** or **◄◄ ▼** to select “TA VOLUME.”
 - 3 Turn the control dial to set to the desired volume.
You can set it from “VOL 00” to “VOL 30” or “VOL 50” (depending on the amplifier gain control setting: see page 38).
 - 4 Press SEL (select) to finish the setting.

Automatic clock adjustment

When shipped from the factory, the clock built in this unit is set to be readjusted automatically using the CT (Clock Time) data in the RDS signal.

If you do not want to use automatic clock adjustment, follow the procedure below.

- See also “Changing the general settings (PSM)” on pages 34 and 35.

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2 Press **▲ ►►** or **◄◄ ▼** to select “AUTO ADJUST.”
- 3 Turn the control dial counterclockwise to select “ADJUST OFF.”
Now automatic clock adjustment is canceled.
- 4 Press SEL (select) to finish the setting.

To reactivate clock adjustment, repeat the same procedure and select “ADJUST ON” in step 3 by turning the control dial clockwise.

Note:

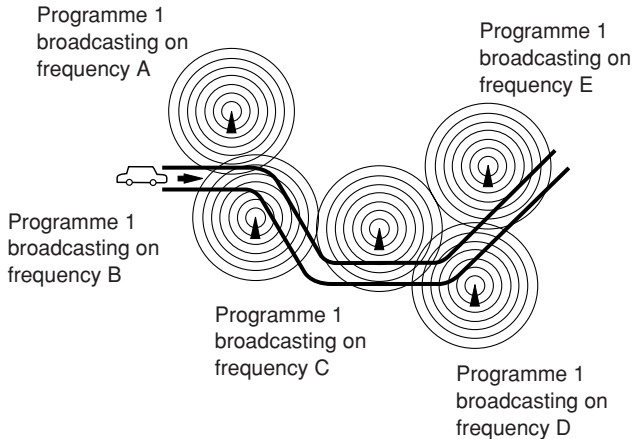
You must stay tuned to the same station for more than 2 minutes after setting “AUTO ADJUST” to “ADJUST ON.” Otherwise, the clock time will not be adjusted. (This is because the unit takes up to 2 minutes to capture the CT data in the RDS signal.)

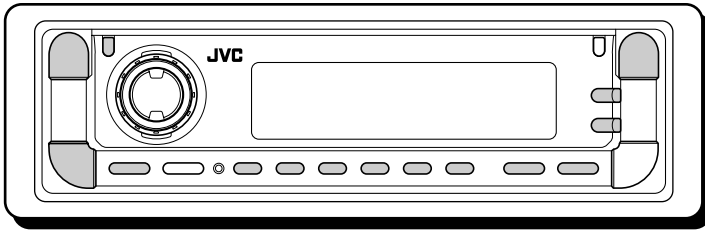


PTY codes

NEWS:	News	SOCIAL:	Programmes on social activities
AFFAIRS:	Topical programmes expanding on current news or affairs	RELIGION:	Programmes dealing with any aspect of belief or faith, or the nature of existence or ethics
INFO:	Programmes which impart advice on a wide variety of topics	PHONE IN:	Programmes where people can express their views either by phone or in a public forum
SPORT:	Sport events	TRAVEL:	Programmes about travel destinations, package tours, and travel ideas and opportunities
EDUCATE:	Educational programmes	LEISURE:	Programmes concerned with recreational activities such as gardening, cooking, fishing, etc.
DRAMA:	Radio plays	JAZZ:	Jazz music
CULTURE:	Programmes on national or regional culture	COUNTRY:	Country music
SCIENCE:	Programmes on natural science and technology	NATION M:	Current popular music from another nation or region, in that country's language
VARIED:	Other programmes like comedies or ceremonies	OLDIES:	Classic pop music
POP M:	Pop music	FOLK M:	Folk music
ROCK M:	Rock music	DOCUMENT:	Programmes dealing with factual matters, presented in an investigative style
EASY M:	Easy-listening music		
LIGHT M:	Light music		
CLASSICS:	Classical music		
OTHER M:	Other music		
WEATHER:	Weather information		
FINANCE:	Reports on commerce, trading, the Stock Market, etc.		
CHILDREN:	Entertainment programmes for children		

The same programme can be received on different frequencies.

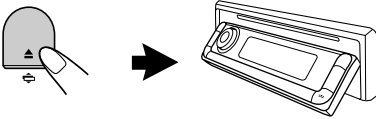




Refer to "MP3/WMA OPERATIONS" on pages 26 to 30 for operating MP3/WMA discs.

Playing a CD

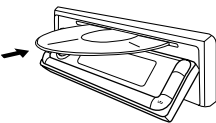
1 Open the control panel.



Note on One-Touch Operation:

When a CD is already in the loading slot, pressing CD/CD-CH (for KD-G801) or CD (for KD-G701) turns on the unit and starts playback automatically.

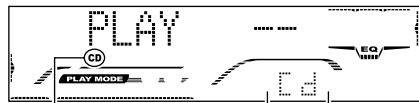
2 Insert a CD into the loading slot.



The unit draws the CD, the control panel goes back to the previous position (see page 40), and playback starts automatically.

All tracks will be played repeatedly until you stop playback.

The display changes to show the following:



CD indicator

Current source indication*

Total playing time of the inserted disc

Total track number of the inserted disc



Elapsed playing time

Current track number



* When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.

Notes:

- When a CD is inserted upside down, the control panel moves down, the CD automatically ejects from the loading slot. The source changes to the previously selected source.
- If there is no CD in the loading slot, you cannot select CD as the source.
- If the current disc is a CD Text, disc title/performer and then track title will automatically appear.



To stop play and eject the CD

Press ▲.

CD play stops and the control panel moves down. The CD automatically ejects from the loading slot.

- If you change the source or turn the power off, CD play also stops (without ejecting the CD). Next time you select “CD” as the source, CD play starts from where playback has been stopped previously.

To return the control panel to its previous position, press ▲ again.

- If you keep the loading slot fully open for 1 minute, (beeps sound when the “BEEP SWITCH” is set to “BEEP ON”—see page 37) the control panel automatically returns to its previous position.

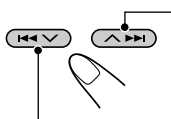
Be careful not to get the disc or your finger caught in between the control panel and the unit.

Notes:

- If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (Disc play will not start this time.)
- You can eject the disc even when the unit is turned off.

Locating a track or a particular portion on a CD

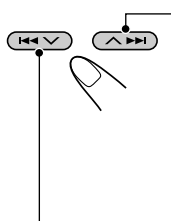
To fast-forward or reverse the track



Press and hold ▲▶▶, while playing a CD, to fast-forward the track.

Press and hold ◀◀▼, while playing a CD, to reverse the track.

To go to the next or previous tracks



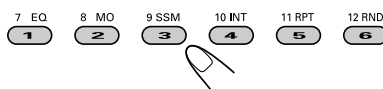
Press ▲▶▶ briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press ◀◀▼ briefly, while playing a CD, to go back to the beginning of the current track.

Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly

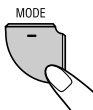
Press the number button corresponding to the track number to start its playback.



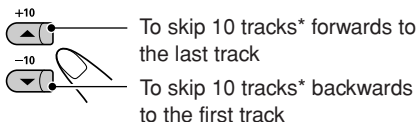
- To select a track number from 1 – 6: Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12: Press and hold 1 (7) – 6 (12) for more than one second.

To go to a track quickly (+10 and –10 buttons)

- 1 Press MODE to enter the functions mode while playing a CD.



- 2 Press +10 or –10.



- * First time you press +10 or –10 button, the track skips to the nearest higher or lower track with a track number of multiple ten (ex. 10th, 20th, 30th).

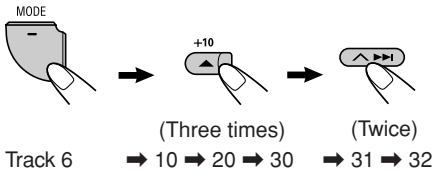
Then each time you press the button, you can skip 10 tracks (see “How to use the +10 and –10 buttons” on page 23).

- After the last track, the first track will be selected, and vice versa.

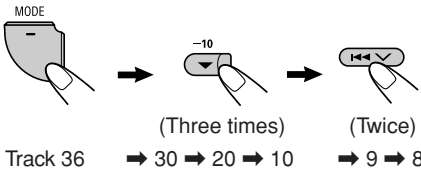


How to use the +10 and -10 buttons

• Ex. 1: To select track number 32 while playing track number 6



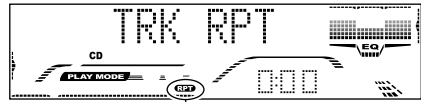
• Ex. 2: To select track number 8 while playing track number 36



To play back tracks repeatedly (Track Repeat Play)

You can play back the current track repeatedly.

- 1 Press MODE to enter the functions mode while playing a CD.
- 2 Press RPT (repeat), while "MODE" is still on the display, so that "TRK RPT" appears on the display. Each time you press the button, track repeat play mode turns on and off alternately.



RPT indicator

When track repeat play is turned on, the RPT indicator lights up on the display. The current track starts playing repeatedly.

Selecting CD playback modes

To play back tracks at random (Disc Random Play)

You can play back all tracks on the CD at random.

- 1 Press MODE to enter the functions mode while playing a CD.
- 2 Press RND (random), while "MODE" is still on the display, so that "DISC RND" appears on the display. Each time you press the button, disc random play mode turns on and off alternately.



(disc) and RND indicators

When disc random play is turned on, the (disc) and RND indicators light up on the display. A track randomly selected starts playing.

To play back only intros (Track Intro Scan)

You can play back the first 15 seconds of each track sequentially.

- 1 Press MODE to enter the functions mode while playing a CD.
- 2 Press INT (intro), while "MODE" is still on the display, so that "TRK INT" appears on the display. Each time you press the button, track intro scan mode turns on and off alternately.



INT indicator

When track intro scan is turned on, the INT indicator lights up on the display. The first 15 seconds of each track is played sequentially.



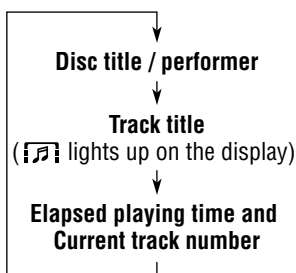
Playing a CD Text

In a CD Text, some information about the disc (its disc title, performer, and track title) is recorded. This CD Text information will be shown automatically when you play a CD Text.

To change the CD Text information manually, select text display mode while playing a CD Text.



Press DISP (display) repeatedly. Each time you press the button, the display changes as follows:



Notes:

- The display shows up to 12 characters at one time and scrolls if there are more than 12 characters. See also “To select the scroll mode—SCROLL MODE” on page 37. Some characters or symbols will not be shown (will be blanked or substituted) on the display.
- If no name is assigned to the CD, “NO NAME” will appear. To assign a name to an audio CD, see page 39.
- If no disc title/performer or no track title is recorded for the CD Text, “NO NAME” will appear.
- When track title is shown, TRACK indicator and current track number also appear on the lower part of the display.

Prohibiting disc ejection

You can prohibit disc ejection and can lock a disc in the loading slot.

While pressing CD/CD-CH (for KD-G801) or CD (for KD-G701), press and hold ϕ /I ATT for more than 2 seconds.

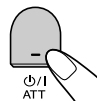


(For KD-G801)

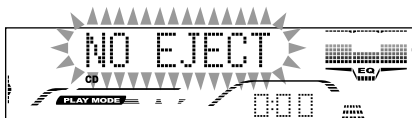
or



(For KD-G701)



“NO EJECT” flashes on the display for about 5 seconds, and the disc is locked and cannot be ejected.



To cancel the prohibition and unlock the disc

While pressing CD/CD-CH (for KD-G801) or CD (for KD-G701), press and hold ϕ /I ATT again for more than 2 seconds.

“EJECT OK” flashes on the display for about 5 seconds, and the disc is unlocked.



What are MP3/WMA?

MP3 is an abbreviation of Motion Picture Experts Group (or MPEG) Audio Layer 3. MP3 is simply a file format with a data compression ratio of 1:10 (128 Kbps*).

WMA (Windows Media® Audio) is the digital audio compression format developed by Microsoft Corporation.

* *Bit rate is the average number of bits that one second of audio data will consume. The unit used is Kbps. To get a better audio quality, choose a higher bit rate. The most popular bit rate for encoding is 128 Kbps.*

- For details information about the MP3/WMA discs, refer to “A Guide to MP3/WMA” (separate volume).

Compatible with ID3 Tag

Extra information data such as album title, performer name, song title, recording year, music genre and a brief comment can be stored within an MP3/WMA file.

This unit can show both ID3v1 (Version 1) and ID3v2 (Version 2) tags on the display. (See page 27.)

- Some characters cannot be shown correctly.
- If both ID3v1 and ID3v2 are recorded on a disc, ID3v2 information will be shown.

How are MP3/WMA files recorded and played back?

MP3/WMA “files (tracks)” can be recorded in “folders”—in PC terminology.

During recording, the files and folders can be arranged in a way similar to arranging files and folders of computer data.

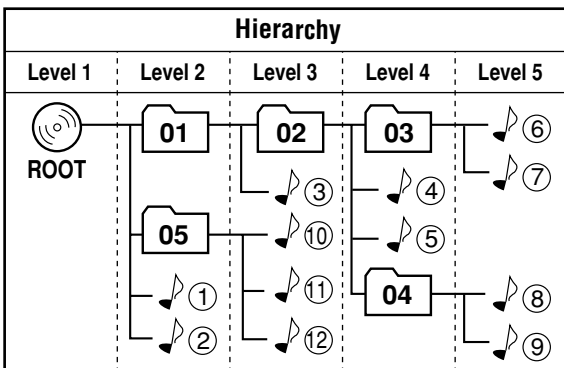
“Root” is similar to the root of a tree. Every file and folder can be linked to and be accessed from the root.

The illustration below shows an example of how MP3/WMA files are recorded on a CD-R or CD-RW, how they are played back, and how they are searched for on this unit.

Notes:

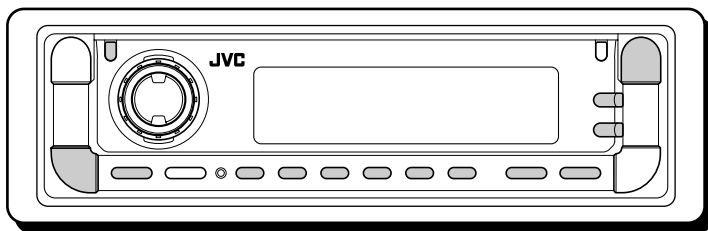
- This unit cannot read or play an MP3 file without the extension code <.mp3> and a WMA track without the extension code <.wma>.
- This unit is not compatible with MP3 files encoded with Layer 1 and Layer 2 formats.
- This unit is not compatible with WMA files which are not based upon Windows Media® Audio.
- This unit is not compatible with Playlist**.

** A playlist is a simple text file, used on a PC, which enables users to make their own playback order without physically rearranging the files.



01	: Folder and their playback order
1	: MP3/WMA files and their playback order

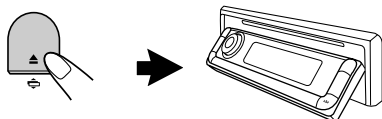
- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.



Refer also to “CD OPERATIONS” on pages 21 to 24.

Playing a disc

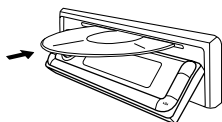
1 Open the control panel.



Note on One-Touch Operation:

When a disc is already in the loading slot, pressing CD/CD-CH (for KD-G801) or CD (for KD-G701) turns on the unit and starts playback automatically.

2 Insert a disc into the loading slot.



The unit draws the disc, the control panel goes back to the previous position (see page 40), and playback starts automatically.

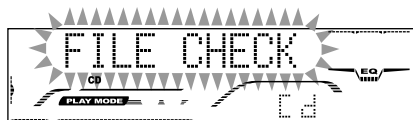
All files will be played repeatedly until you stop playback.

The display changes to show the following:



CD indicator

Current source indication*1



Total folder number

Total file number



MP3 or WMA indicator*2

Ex.: When the disc contains 19 folders and 144 MP3/WMA files

*1 When “CLOCK DISP” is set to “CLK DISP ON” (see page 36), the current indication will soon change to the clock time.

*2 WMA or MP3 indicator lights up depending on the first detected file.

Notes:

- MP3/WMA discs require a longer readout time. (It differs due to the complexity of the folder/file configuration.)
- When playback starts, folder and file names (or ID3 tags) will automatically appear. (See also page 27.)
- If you change the source or turn the power off, disc playback stops (without ejecting the disc). Next time you select the CD player as the source or turn the power on, disc play starts from where playback has been stopped previously.

To stop play and eject the disc

Press ▲.

Playback stops and the control panel moves down. The disc automatically ejects from the loading slot.

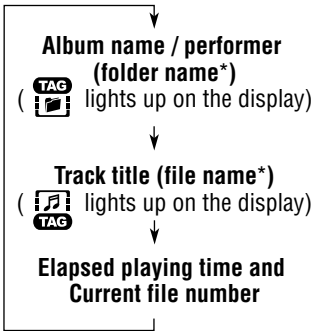
To change the display information

While playing back an MP3/WMA file, you can change the disc information shown on the display.



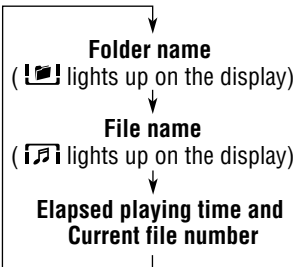
Press DISP (display) repeatedly. Each time you press the button, the display changes to show the following:

- When “TAG DISPLAY” is set to “TAG DISP ON” (initial setting: see page 38)



* If ID3 tags are not recorded, folder name and file name appear. In this case, the TAG indicator will not light up on the display.

- When “TAG DISPLAY” is set to “TAG DISP OFF”

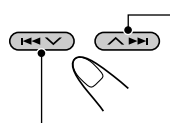


Notes:

- The display shows up to 12 characters at a time and scrolls if there are more than 12 characters. See also “To select the scroll mode—SCROLL MODE” on page 37.
- When file name is shown, TRACK indicator and current file number also appear on the lower part of the display.

Locating a file or a particular portion on a disc

To fast-forward or reverse the file



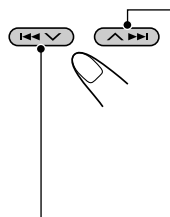
Press and hold ▲▶▶ while playing a disc, to fast-forward the file.

Press and hold ◀◀▼ while playing a disc, to reverse the file.

Note:

During this operation, you can only hear intermittent sounds. (The elapsed playing time also changes intermittently on the display.)

To skip to the next or previous files

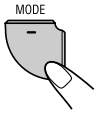


Press ▲▶▶ briefly while playing, to skip ahead to the beginning of the next file. Each time you press the button consecutively, the beginning of the next files is located and played back.

Press ◀◀▼ briefly while playing, to skip back to the beginning of the current file. Each time you press the button consecutively, the beginning of the previous files is located and played back.

To go to a particular file quickly within the current folder (+10 and -10 buttons)

- 1 Press MODE to enter the functions mode while playing a disc.



- 2 Press +10 or -10.



To skip 10 files* forwards to the last file



To skip 10 files* backwards to the first file

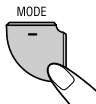
* First time you press +10 or -10 button, the file skips to the nearest higher or lower file with a file number of multiple ten (ex. 10th, 20th, 30th).

Then each time you press the button, you can skip 10 files (see "How to use the +10 and -10 buttons" below).

- After the last file, the first file will be selected, and vice versa.

How to use the +10 and -10 buttons

- Ex. 1: To select file number 32 while playing file number 6

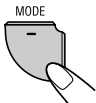


(Three times)

(Twice)

File 6 → 10 → 20 → 30 → 31 → 32

- Ex. 2: To select file number 8 while playing file number 36



(Three times)

(Twice)

File 36 → 30 → 20 → 10 → 9 → 8

To go to a particular folder directly

IMPORTANT:

To directly select the folders using the number button(s), it is required that folders are assigned 2 digit numbers at the beginning of their folder names. (This can only be done during the recording of CD-Rs or CD-RWs.)

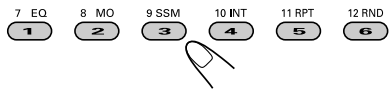
Ex.: If folder name is "01 ABC"

- Press 1 to go to Folder 01 ABC.
If folder name is "1 ABC," pressing 1 does not work.

If folder name is "12 ABC"

- Press and hold 6 (12) to go to Folder 12 ABC.

Press the number button corresponding to the folder number to start playing the first file in the selected folder.



- To select a folder number from 01 – 06: Press 1 (7) – 6 (12) briefly.
- To select a folder number from 07 – 12: Press and hold 1 (7) – 6 (12) for more than one second.

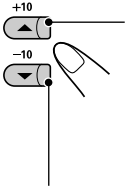
Notes:

- If indicator flashes on the display after you have selected a folder, it means that the folder does not contain any MP3/WMA files.
- You cannot directly select a folder with a number greater than 12.

To select a particular file in a folder, press

▲ ►► | ◀◀ ▼ after selecting the folder.

To skip to the next or previous folder



Press ▲ (up) while playing a disc to skip to the next folder.

Each time you press the button consecutively, the next folder is located (and the first file in the folder starts playing, if recorded).

Press ▼ (down) while playing a disc to skip back to the previous folder.

Each time you press the button consecutively, the previous folder is located (and the first file in the folder starts playing, if recorded).

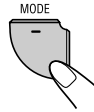
Note:

If the folder does not contain any MP3/WMA files, it is skipped.

Selecting the playback modes

To play back files at random (Folder Random/Disc Random Play)

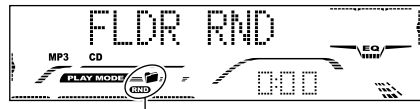
You can play back all files of the current folder or all files on the disc at random.



1 Press MODE to enter the functions mode while playing a disc.





2 Press RND (random), while "MODE" is still on the display, so that "FLDR RND" or "DISC RND" appears on the display. Each time you press the button, the random play mode changes as follows:



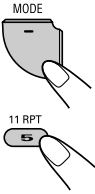
 (folder) and RND indicators

Ex.: When you select "FLDR RND" while listening to an MP3 file

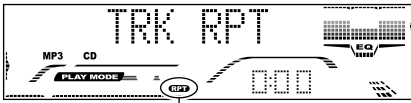
Mode	Active indicator	Plays at random
FLDR RND	 and RND indicators light up.	All files of the current folder, then files of the next folder and so on.
DISC RND	 and RND indicators light up.	All files on the disc.

To play back files repeatedly (Track Repeat/Folder Repeat Play)

You can play back the current file or all the files in the current folder repeatedly.



- 1 Press MODE to enter the functions mode while playing a disc.
- 2 Press RPT (repeat), while "MODE" is still on the display, so that "TRK RPT" or "FLDR RPT" appears on the display. Each time you press the button, the repeat play mode changes as follows:

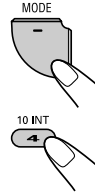


RPT indicator

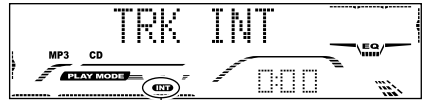
Ex.: When you select "TRK RPT" while listening to an MP3 file

To play back only intros (Track Intro Scan/Folder Intro Scan)

You can play back the first 15 seconds of each file sequentially.



- 1 Press MODE to enter the functions mode while playing a disc.
- 2 Press INT (intro), while "MODE" is still on the display, so that "TRK INT" or "FLDR INT" appears on the display. Each time you press the button, the intro scan mode changes as follows:



INT indicator

Ex.: When you select "TRK INT" while listening to an MP3 file

Mode	Active indicator	Plays repeatedly
TRK RPT	RPT indicator lights up.	The current (or specified) file.
FLDR RPT	Folder icon and RPT indicators light up.	All files of the current (or specified) folder.

Mode	Active indicator	Plays the beginnings (15 seconds) of
TRK INT	INT indicator lights up.	All files on the current disc.
FLDR INT	Folder icon and INT indicators light up.	The first file of every folder of the current disc.



Adjusting the sound

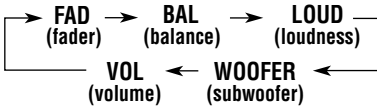
You can adjust the sound characteristics to your preference.

1 Select the item you want to adjust.

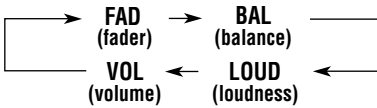


Each time you press the button, the adjustable items change as follows:

For KD-G801:



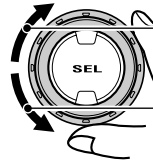
For KD-G701:



Indication	To do:	Range
FAD* ¹	Adjust the front and rear speaker balance.	R06 (Rear only) F06 (Front only)
BAL	Adjust the left and right speaker balance.	L06 (Left only) R06 (Right only)
LOUD	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON LOUD OFF
WOOFER* ²	Adjust the subwoofer output level.	00 (min.) 08 (max.)
VOL* ³	Adjust the volume.	00 (min.) 30 or 50 (max.)* ⁴

- *¹ If you are using a two-speaker system, set the fader level to "00."
- *² This takes effect only when a subwoofer is connected.
- *³ Normally the control dial works as the volume control. So you do not have to select "VOL" to adjust the volume level.
- *⁴ Depending on the amplifier gain control setting. (See page 38 for details.)

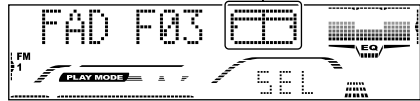
2 Adjust the setting.



To increase the level or turn on the loudness

To decrease the level or turn off the loudness

Indication pattern changes as you adjust the fader or balance.



Ex. 1: When you adjust "FAD" (fader)

LOUD indicator



Ex. 2: When you turn on the loudness

3 Repeat steps 1 and 2 to adjust the other items.

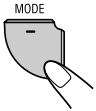


Selecting preset sound modes (iEQ: intelligent equalizer)

You can select a preset sound mode (iEQ: intelligent equalizer) suitable to the music genre.

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step **1** again.

1 Press MODE to enter the functions mode.



2 Press EQ (equalizer) while "MODE" is still on the display.



The last selected sound mode is called up.

3 Select the sound mode you want.



As you turn the control dial, the sound modes change as follows:

FLAT ⇄ HARD ROCK ⇄ R&B ⇄
 POP ⇄ JAZZ ⇄ DANCE MUSIC ⇄
 COUNTRY ⇄ REGGAE ⇄ CLASSIC ⇄
 USER 1 ⇄ USER 2 ⇄ USER 3 ⇄
 (back to the beginning)

Indication pattern changes for each sound mode.



Ex.: When you select "HARD ROCK"

To cancel the preset sound mode, select "FLAT" in step **3**.

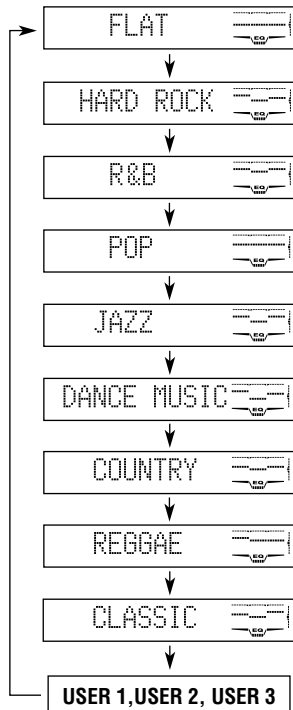
Notes:

- You can adjust the preset sound modes temporarily. However, your temporary adjustments will be reset when you select another sound mode.
- For details about the preset settings of each sound mode, see table on page 52.
- For showing the iEQ pattern on the display during play, select "EQ & LEVEL" or "SILENT" for the level meter. See also page 36.

When using the remote controller:



Press SOUND repeatedly. Each time you press the button, the sound modes change as follows:



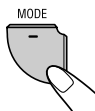


Storing your own sound adjustments

You can adjust the sound modes to your preference and store your own adjustments in memory (USER 1, USER 2 and USER 3).

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step 1 again.

1 Press MODE to enter the functions mode.



2 Press EQ (equalizer) while "MODE" is still on the display.



The last selected sound mode is called up.

3 Select the sound mode you want to adjust.



Ex.: When you select "JAZZ"

4 Select sound elements to adjust.



Each time you press the button, the sound elements change as follows:

LOW LEVEL* → LOW FREQ → LOW WIDTH
 → MID LEVEL* → MID WIDTH
 → HI (high) LEVEL* → HI (high) FREQ
 → (back to the beginning)

LEVEL (LOW, MID, HI):

Adjust the enhancement level.

- * By pressing ▲▶▶▶ or ◀◀◀▼, you can directly move as follows:



FREQ (LOW, HI):

Select the center frequency to adjust.

WIDTH (LOW, MID):

Select the band width level.

5 Adjust the selected sound element.



Indication	Preset values		
	LOW	MID	HI
LEVEL	-06 (min.) +06 (max.)	-06 (min.) +06 (max.)	-06 (min.) +06 (max.)
FREQ.	60Hz 80Hz 100Hz 120Hz	—	8kHz 10kHz 12kHz 15kHz
WIDTH	1 (min.) 4 (max.)	1 (min.) 2 (max.)	—

6 Repeat steps 4 and 5 to adjust the other sound elements.

7 Select one of the user sound modes (USER 1, USER 2, USER 3).



8 Press EQ to store the adjustments.



"MEMORY" appears for a while.



OTHER MAIN FUNCTIONS

Changing the general settings (PSM)

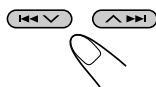
You can change the items listed in the table below and on page 35 by using the PSM (Preferred Setting Mode) control.

Basic Procedure

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See below and page 35.)



- 2 Select the PSM item you want to adjust.



- 3 Adjust the PSM item selected.



- 4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

- 5 Finish the setting.



Preferred Setting Mode (PSM) items

• For detailed operations of each PSM items, refer to the pages listed in the table.

Indications		Selectable values/items		Factory-preset settings	See page
DEMO MODE	Display demonstration	DEMO OFF	DEMO ON	DEMO ON	8
CLOCK HOUR	Hour adjustment	0 — 23 (1 — 12)		0 (0:00)	9
CLOCK MINUTE	Minute adjustment	00 — 59		00 (0:00)	
CLOCK24H/12H	24/12-hour time display	CLOCK 12HOUR	CLOCK 24HOUR	CLOCK 24HOUR	
AUTO ADJUST	Automatic clock setting	ADJUST OFF	ADJUST ON	ADJUST ON	19
CLOCK DISP	Clock display	CLK DISP OFF	CLK DISP ON	CLK DISP ON	36
AF-REG	Alternative frequency/Regionalization reception	AF ON ↔ AF REG ↻ AF OFF*1 ↻		AF ON	14, 15

*1 Only for KD-G801: Displayed only when the "DAB AF" is set to "OFF"



Indications		Selectable values/items		Factory-preset settings	See page
PTY STANDBY	PTY standby	OFF → 29 programme types (see page 20) ↑		OFF	16
TA VOLUME	Traffic announcement volume	VOL 00 — VOL 30 or 50*4		VOL 20	19
P-SEARCH	Programme search	SEARCH OFF	SEARCH ON	SEARCH OFF	19
DAB AF*3	Alternative frequency search	AF OFF	AF ON	AF ON	51
DAB VOL*3	DAB volume adjustment	VOL -12 — VOL +12		VOL 00	51
LEVELMETER	Level meter	LEVEL 1 ↔ LEVEL 2 ↓ ↓ SILENT ↔ EQ & LEVEL		LEVEL 1	36
DIMMER MODE	Dimmer mode	DIMMER AUTO ↔ DIMMER OFF ↻ DIMMER ON ↻		DIMMER AUTO	36
TELEPHONE	Telephone muting	MUTING OFF ↔ MUTING 1 ↻ MUTING 2 ↻		MUTING OFF	37
BEEP SWITCH	Key-touch tone	BEEP OFF	BEEP ON	BEEP ON	37
CONTRAST	Display contrast	01 – 10		05	37
SCROLL MODE	Scroll mode	SCROLL ONCE ↔ SCROLL AUTO ↻ SCROLL OFF ↻		SCROLL ONCE	37
WOOFER FREQ*2	Subwoofer cutoff frequency	FREQ MID ↔ FREQ HIGH ↻ FREQ LOW ↻		FREQ MID	37
EXTERNAL IN*5	External component	CHANGER	LINE IN	CHANGER	38
TAG DISPLAY	Tag display	TAG DISP OFF	TAG DISP ON	TAG DISP ON	38
AMP.GAIN	Amplifier gain control	LOW POWER	HIGH POWER	HIGH POWER	38
SLOT LIGHT	Slot light	OFF	ON	ON	38

*2 Only for KD-G801.

*3 Only for KD-G801: Displayed only when the DAB tuner is connected.

*4 Depending on the amplifier gain control setting.

*5 Only for KD-G801: Displayed only when one of the following sources is selected—FM, AM, and CD.



To set the clock display—CLOCK DISP

You can set the clock to be shown on the lower part of the display when the unit is turned on. When shipped from the factory, the clock is set to be shown on the display.

- CLK DISP ON: Clock display is turned on.
- CLK DISP OFF: Clock display is turned off. When “CLK DISP OFF” is selected, the current source name, station band, folder number, or disc number appears instead of the clock display (except when “LINE IN”^{*} is selected as the source).

When “CLOCK DISP” is set to “CLK DISP OFF”:

Source	Initial indication	Pressing DISP (display)
Tuner	Band	Clock appears for about 5 seconds.
CD or CD-CH [*]	CD, folder number, or disc number	

When “CLOCK DISP” is set to “CLK DISP ON”:

Source	Initial indication	Pressing DISP (display) repeatedly
Tuner	Clock	Band number appears for about 5 seconds.
CD	Clock	CD, or track/file/folder number appears for about 5 seconds.
CD-CH [*]	Clock	Disc number, or track/file/folder number appears for about 5 seconds.

^{*} Only for KD-G801.

To select the level meter—LEVELMETER

You can select the level meter display according to your preference.

When shipped from the factory, this mode is set to “LEVEL 1.”

- LEVEL 1/LEVEL 2: Display the audio level meter with different illumination pattern.
- EQ & LEVEL: Display the equalizer pattern and audio level meter.
- SILENT: Display the equalizer pattern and volume level meter.

To select the dimmer mode —DIMMER MODE

When you turn on the car headlights, the display automatically dims (Auto Dimmer).

When shipped from the factory, Auto Dimmer mode is activated.

- DIMMER AUTO: Activates Auto Dimmer.
- DIMMER OFF: Cancels Auto Dimmer.
- DIMMER ON: Always dims the display.

Note:

Auto Dimmer equipped with this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.

In this case, set the dimmer mode to “DIMMER ON” or “DIMMER OFF.”



To select the telephone muting —TELEPHONE

This mode is used when a cellular phone system is connected. Depending on the phone system used, select either “MUTING 1” or “MUTING 2,” whichever mutes the sounds from this unit.

When shipped from the factory, this mode is deactivated.

- MUTING 1: Selects this if this setting can mute the sounds.
- MUTING 2: Selects this if this setting can mute the sounds.
- MUTING OFF: Cancels the telephone muting.

Note (only for KD-G801):

With the CD or CD changer selected as the source, playback pauses during telephone muting.

To turn the key-touch tone on or off —BEEP SWITCH

You can deactivate the key-touch tone if you do not want it to beep each time you press a button. When shipped from the factory, the key-touch tone is activated.

- BEEP ON: Activates the key-touch tone.
- BEEP OFF: Deactivates the key-touch tone.

To adjust the display contrast level —CONTRAST

Adjust the display contrast (01 – 10) to make the display indications clear and legible.

When shipped from the factory, the display contrast level is set at level 05.

To select the scroll mode—SCROLL MODE

You can select the scroll mode for the disc information (when the entire text cannot be shown at a time).

When shipped from the factory, scroll mode is set to “SCROLL ONCE.”

- SCROLL ONCE: Scrolls only once.
- SCROLL AUTO: Repeats the scroll (5-second intervals in between).
- SCROLL OFF: Cancels scroll mode.

Note:

Even if the scroll mode is set to “SCROLL OFF,” you can scroll the display by pressing DISP (display) for more than 1 second.

To select the subwoofer cutoff frequency —WOOFER FREQ (only for KD-G801)

When a subwoofer is connected to this unit, select an appropriate cutoff frequency level for your subwoofer.

When shipped from the factory, the subwoofer cutoff frequency is set to “FREQ MID.”

- FREQ LOW: Frequencies higher than 50 Hz are cut off to the subwoofer.
- FREQ MID: Frequencies higher than 80 Hz are cut off to the subwoofer.
- FREQ HIGH: Frequencies higher than 120 Hz are cut off to the subwoofer.



To select the external component to use —EXTERNAL IN (only for KD-G801)

You can connect the external component to the CD changer jack on the rear using the Line Input Adapter KS-U57 (not supplied).

To use the external component as the playback source through this unit, you need to select which component—CD changer or external component—to use.

When shipped from the factory, CD changer is selected as the external component.

- **CHANGER:** To use the CD changer.
- **LINE IN:** To use the external component other than CD changer.

Note:

For connecting the Line Input Adapter KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).

To turn the tag display on or off —TAG DISPLAY

An MP3/WMA file can contain file information called “ID3 Tag” where its album name, performer, track title, etc. are recorded.

There are two versions—ID3v1 (ID3 Tag version 1) and ID3v2 (ID3 Tag version 2). If both ID3v1 and ID3v2 are recorded on a disc, ID3v2 information will be shown.

When shipped from the factory, “TAG DISP ON” is selected.

- **TAG DISP ON:** Turns on the ID3 tag display while playing MP3/WMA files.
 - If an MP3/WMA file does not have ID3 tags, folder name and file name appear.

Note (only for KD-G801):

If you change the setting from “TAG DISP OFF” to “TAG DISP ON” while playing an MP3/WMA file, the tag display will be activated when the next file starts playing.

- **TAG DISP OFF:** Turns off the ID3 tag display while playing MP3/WMA files. (Only the folder name and file name can be shown.)

To select the amplifier gain control —AMP.GAIN

You can change the maximum volume level of this unit. When the maximum power of the speakers is less than 50 W, select “LOW POWER” to prevent them from being damaged. When shipped from the factory, “HIGH POWER” is selected.

- **LOW POWER:** You can adjust the volume level from “VOL 00” to “VOL 30.”

Note:

If you change the setting from “HIGH POWER” to “LOW POWER” while listening at a volume level more than 30, the unit automatically changes the volume level to “VOL 30.”

- **HIGH POWER:** You can adjust the volume level from “VOL 00” to “VOL 50.”

To turn the slot light on or off —SLOT LIGHT

You can turn off the slot light if you do not want the illumination each time you insert/eject the disc or when you change the control panel angle. When shipped from the factory, slot light is activated.

- **ON:** Activates the illumination.
- **OFF:** Deactivates the illumination.



Assigning names to CDs

You can assign names to CDs (both in this unit and in the CD changer—only for KD-G801). After assigning a name, it will appear on the display when you select the source.

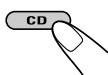
Source	Maximum number of characters
CDs*	Up to 32 characters (up to 40 discs)

* You cannot assign a name to a CD Text or an MP3/WMA disc.

1 Select a CD you want to assign a name to.



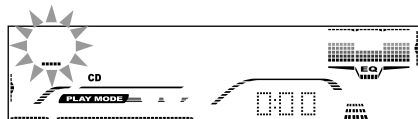
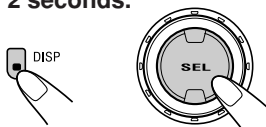
(For KD-G801)



(For KD-G701)

When you select CD as the source, the power automatically comes on.

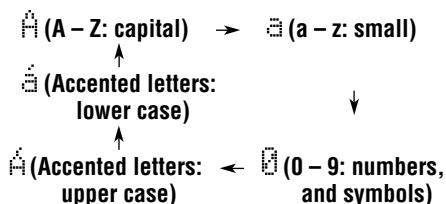
2 While pressing DISP (display), press and hold SEL (select) for more than 2 seconds.



3 Select the character set you want while the first character position is flashing.



Each time you press the button, the character set changes as follows:

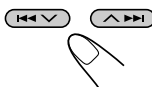


4 Select a character.



• About the available characters, see page 52.

5 Move the cursor to the next (or previous) character position.



6 Repeat steps 3 to 5 until you finish entering the name.

7 Finish the procedure while the last selected character is flashing.



To erase the input characters

To erase all the characters at a time, press and hold DISP (display) for more than 1 second as described in the procedure above.

Notes:

- When you try to assign a name to a 41st disc, "NAME FULL" appears and you cannot enter the text entry mode. In this case, delete unwanted names before assignment.
- Only for KD-G801: When the CD changer is connected, you can assign names to CDs in the CD changer. These names can also be shown on the display if you insert the CDs in this unit.



Changing the control panel angle

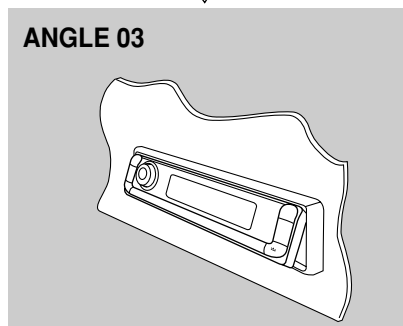
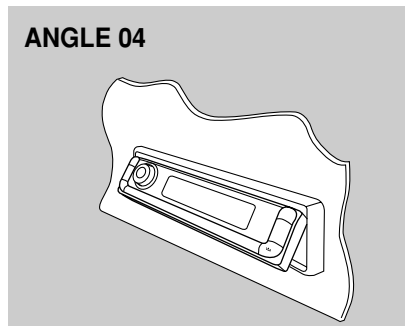
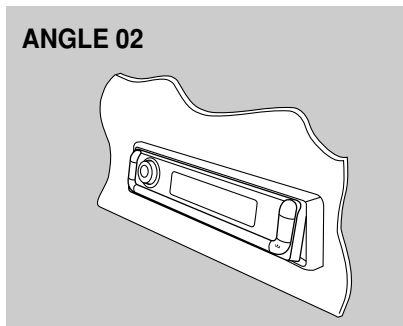
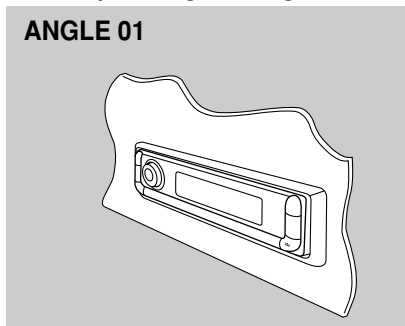
You can change the angle of the control panel in four positions.

- 1 Press and hold  (angle) until the angle adjustment screen appears.



- 2 Press  (angle) repeatedly to adjust the angle to the position you want.

The control panel angles changes as follows:



Note:

If you turn the power off, the control panel automatically returns to the closed position. Next time you turn on the power, the control panel moves to its previous position.

CAUTION:
NEVER insert your finger in between the control panel and the unit, as it may get caught or hurt.



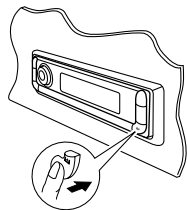
Detaching the control panel

You can detach the control panel when leaving the car.
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

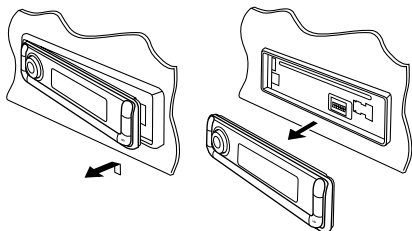
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

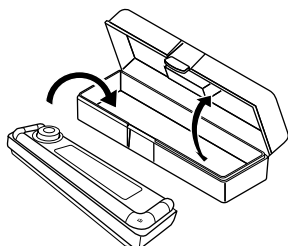
- 1** Unlock the control panel.



- 2** Lift and pull the control panel out of the unit.

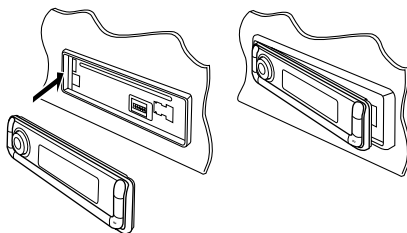


- 3** Put the detached control panel into the provided case.

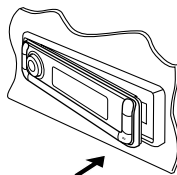


Attaching the control panel

- 1** Insert the left side of the control panel into the groove on the panel holder.



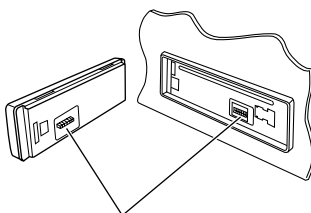
- 2** Press the right side of the control panel to fix it to the panel holder.



Note on cleaning the connectors:

If you frequently detach the control panel, the connectors will deteriorate.

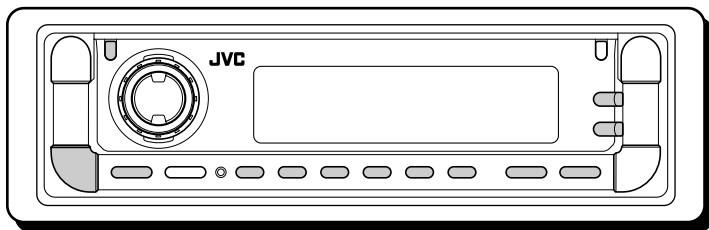
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors



CD CHANGER OPERATIONS



This section is only for KD-G801.

We recommend that you use the JVC MP3-compatible CD changer with your unit.

By using this CD changer, you can play back your original CD-Rs (Recordable) and CD-RWs (Rewritable) recorded either in audio CD format or in MP3 format.

- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). However, they are not compatible with MP3 discs, so you cannot play back MP3 discs.
- You cannot use the KD-MK series CD changers with this unit.

Before operating your CD changer:

- Refer also to the Instructions supplied for your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If no magazine is loaded in the CD changer, "NO MAG" appears on the display. If this happens, insert the magazine in the CD changer.
- If "RESET 1" – "RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection and make sure the cords are connected firmly. Then, press the reset button of the CD changer.

Note:

You cannot control and play any WMA disc on the CD changer.

Playing discs

Select the CD changer (CD-CH).



* If you have changed "EXTERNAL IN" setting to "LINE IN" (see page 38), you cannot select the CD changer.

- When the current disc is an MP3 disc: Playback starts from the first folder of the current disc once file check is completed.



Selected disc number* ↓



(folder) indicator ↓



MP3 indicator Selected folder number

* When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.

Note:

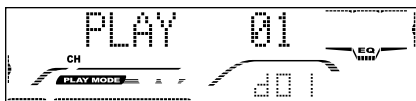
Folder name appears on the display instead of "ROOT," if an MP3 disc contains a folder.

• When the current disc is a CD:

Playback starts from the first track of the current disc.



Selected disc number* ↓



Elapsed playing time Current track number ↓



* When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.

Notes:

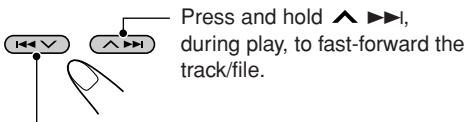
- When you press CD/CD-CH, the power automatically comes on. You do not have to press **⏻/ATT** to turn on the power.
- If you change the source, CD changer play also stops. Next time you select the CD changer as the source, CD changer play starts from where playback has been stopped previously.
- When you start playing back a CD Text or MP3 disc, disc information will automatically appear on the display. (See pages 24 and 27.)

To go to a particular disc directly

Press the number button corresponding to the disc number to start its playback (while the CD changer is playing).



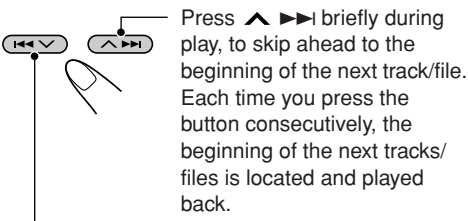
- To select a disc number from 1 – 6: Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12: Press and hold 1 (7) – 6 (12) for more than one second.

To fast-forward or reverse the track/file


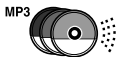
Press and hold **⏮**, during play, to reverse the track/file.

Note:

During this operation on an MP3 disc, you can only hear intermittent sounds. (The elapsed playing time also changes intermittently on the display.)

To go to the next or previous tracks/files


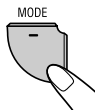
Press **⏮** briefly during play, to skip back to the beginning of the current track/file. Each time you press the button consecutively, the beginning of the previous tracks/files is located and played back.



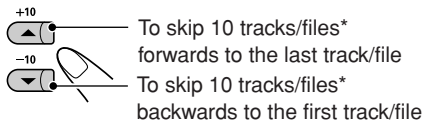
This operation is only possible when using JVC MP3-compatible CD changer (CH-X1500).

To go to a track/file quickly (+10 and -10 buttons)

- 1 Press MODE to enter the functions mode while playing a disc.



- 2 Press +10 or -10.



* First time you press +10 or -10 button, the track/file skips to the nearest higher or lower track/file with a track/file number of multiple ten (ex. 10th, 20th, 30th).

Then each time you press the button, you can skip 10 tracks/files (see "How to use the +10 and -10 buttons" below).

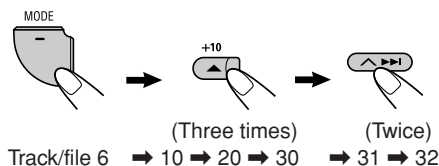
- After the last track/file, the first track/file will be selected, and vice versa.

Note:

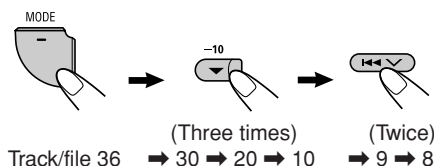
If the current playing disc is an MP3 disc, files are skipped within the same folder.

How to use the +10 and -10 buttons

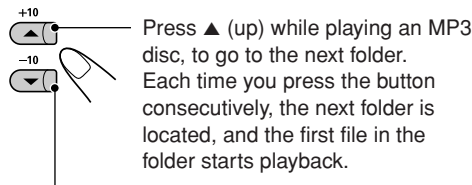
- Ex. 1: To select track/file number 32 while playing track/file number 6



- Ex. 2: To select track/file number 8 while playing track/file number 36



To skip to the next or previous folder (only for MP3 discs)



Press ▼ (down) while playing an MP3 disc, to go to the previous folder.

Each time you press the button consecutively, the previous folder is located, and the first file in the folder starts playback.

To show the disc information for CD Text and MP3 discs

This is possible only when connecting a JVC CD changer equipped with CD Text and/or MP3 disc information reading capability.

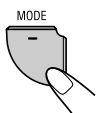
Select text display mode while playing a CD Text or an MP3 disc.



- For details, see page 24 about CD Text disc information and page 27 about MP3 disc information.

Selecting the playback modes

To play back tracks/files at random (Folder Random/Disc Random/Magazine Random Play)

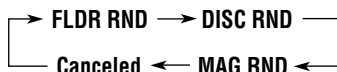


1 Press MODE to enter the functions mode while playing a disc.

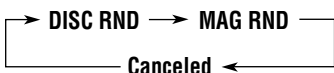


2 Press RND (random), while "MODE" is still on the display. Each time you press the button, the random play mode changes as follows:

For MP3 discs:



For CDs:



RND indicator

Ex.: When you select "MAG RND"

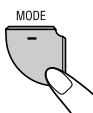
Note:

MP3 indicator also lights up if the current playing disc is an MP3 disc.

Mode	Active indicator	Plays at random
FLDR RND*	and RND indicators light up.	All files of the current folder, then files of the next folder and so on.
DISC RND	and RND indicators light up.	All tracks/files of the current (or specified) disc.
MAG RND	RND indicator lights up.	All tracks/files of the inserted discs.

* "FLDR RND" is only applicable for MP3 disc.

To play back tracks/files repeatedly (Track Repeat/Folder Repeat/Disc Repeat Play)

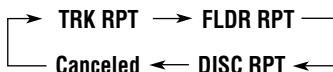


1 Press MODE to enter the functions mode while playing a disc.



2 Press RPT (repeat), while "MODE" is still on the display. Each time you press the button, the repeat play mode changes as follows:

For MP3 discs:



For CDs:

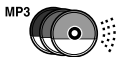


(disc) and RPT indicators

Ex.: When you select "DISC RPT"

Note:

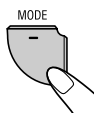
MP3 indicator also lights up if the current playing disc is an MP3 disc.



Mode	Active indicator	Plays repeatedly
TRK RPT	RPT indicator lights up.	The current (or specified) track/file.
FLDR RPT*	and RPT indicators light up.	All files of the current (or specified) folder of the current disc.
DISC RPT	and RPT indicators light up.	All tracks/files of the current (or specified) disc.

* "FLDR RPT" is only applicable for MP3 disc.

To play back only intros (Track Intro Scan/Folder Intro Scan/Disc Intro Scan)

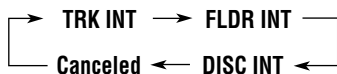


1 Press MODE to enter the functions mode while playing a disc.



2 Press INT (intro), while "MODE" is still on the display. Each time you press the button, the intro scan mode changes as follows:

For MP3 discs:



For CDs:



INT indicator

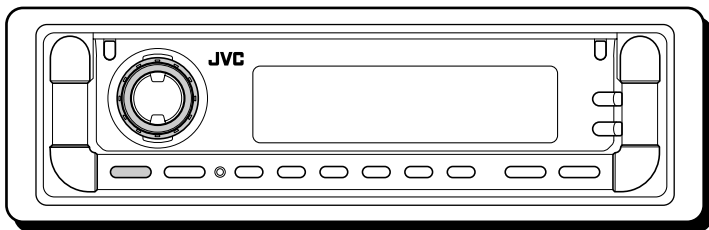
Ex.: When you select "TRK INT"

Note:

MP3 indicator also lights up if the current playing disc is an MP3 disc.

Mode	Active indicator	Plays the beginnings (15 seconds) of
TRK INT	INT indicator lights up.	All tracks/files of the current disc.
FLDR INT*	and INT indicators light up.	The first file of every folder of the current disc.
DISC INT	and INT indicators light up.	The first tracks/files of the inserted discs.

* "FLDR INT" is only applicable for MP3 disc.



This section is only for KD-G801.

Playing an external component

You can connect the external component to the CD changer jack on the rear using the Line Input Adapter KS-U57 (not supplied).

Preparations:


- For connecting the Line Input Adapter KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).
- Before operating the external component using the following procedure, select the external input correctly. See “To select the external component to use—EXTERNAL IN” on page 38.

1 Select the external component (LINE IN).



- If “LINE IN” does not appear on the display, see page 38 and select the external input (“LINE IN”).

Note on One-Touch Operation:

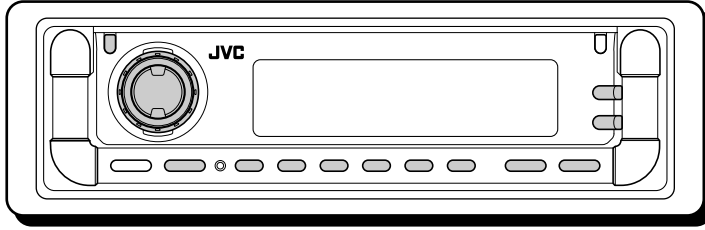
When you press CD/CD-CH, the power automatically comes on. You do not have to press /I ATT to turn on the power.

2 Turn on the connected component and start playing the source.

3 Adjust the volume.



4 Adjust the sound as you want. (See pages 31 – 33.)



This section is only for KD-G801.

We recommend that you use DAB (Digital Audio Broadcasting) tuner KT-DB1500 or KT-DB1000 with your unit.

If you have another DAB tuner, consult your JVC IN-CAR ENTERTAINMENT dealer.

- Refer also to the Instructions supplied for your DAB tuner.

What is DAB system?

DAB is one of the digital radio broadcasting systems available today. It can deliver CD quality sound without any annoying interference and signal distortion.

Furthermore, it can carry text, pictures, and data.

In contrast to FM broadcast, where each programme is transmitted on its own frequency, DAB combines several programmes (called “services”) to form one “ensemble.”

In addition, each “service”—called “primary service”—can also be divided into its components (called “secondary service”).

With the DAB tuner connected with this unit, you can enjoy these DAB services.

Note:

When reception switches between DAB and FM, the listening volume level may increase or decrease inconveniently. This change in the volume level results from unequal audio injection levels at broadcaster site, but not from the malfunction of this unit.

To prevent this inconvenience, you can adjust the DAB volume level. (See “To adjust the DAB volume level” on page 51.)

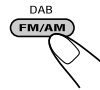
Tuning in to an ensemble and one of the services

A typical ensemble has 6 or more programmes (services) broadcast at the same time. After tuning in to an ensemble, you can select a service you want to listen to.

Before you start....

Press FM/AM DAB briefly if CD, CD changer, or external component is the current source.

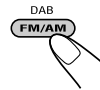
1 Select the DAB tuner.



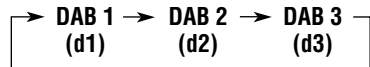
Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2 Select the DAB band (DAB1, DAB2, or DAB3).



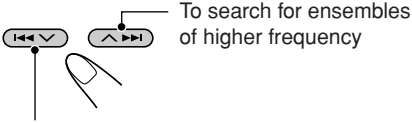
Each time you press the button, the DAB band changes as follows:



Note:

This receiver has three DAB bands (DAB1, DAB2, DAB3). You can use any of them to tune in to an ensemble.

3 Start searching for an ensemble.

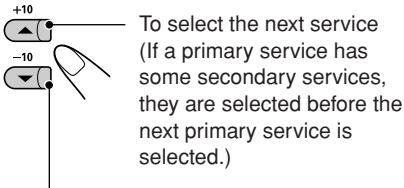


To search for ensembles of lower frequency

When an ensemble is received, searching stops.

To stop searching before an ensemble is received, press the same button you have pressed for searching.

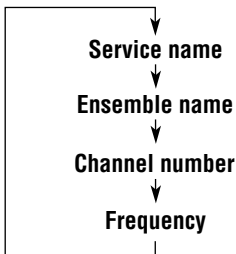
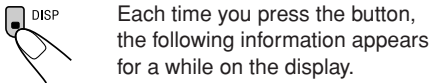
4 Select a service (either primary or secondary) you want to listen to.



To select the previous service (either primary or secondary)

To change the display information while tuning in to an ensemble

Normally service name is shown on the display. If you want to check the ensemble name or its frequency, press DISP (display) repeatedly.



To tune in to a particular ensemble without searching

Before you start....

Press FM/AM DAB briefly if CD, CD changer, or external component is the current source.

- 1 Press and hold FM/AM DAB to select DAB tuner as the source.
- 2 Press FM/AM DAB repeatedly to select the DAB band (DAB1, DAB2, or DAB3).
- 3 Press and hold ▲ ►►► or ◀◀◀ ▼ for more than one second.
- 4 Press ▲ ►►► or ◀◀◀ ▼ repeatedly until the ensemble you want is reached.
 - If you hold down the button, the frequency keeps changing until you release the button.
- 5 Press ▲ (up) or ▼ (down) to select a service (either primary or secondary) you want to listen to.

To restore the FM/AM tuner

Press and hold FM/AM DAB again.

Storing DAB services in memory

You can preset up to 6 DAB services in each DAB band (DAB1, DAB2, and DAB3) manually.

Before you start....

Press FM/AM DAB briefly if CD, CD changer, or external component is the current source.

1 Select the DAB tuner.



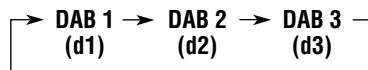
Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

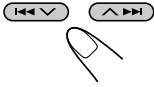
2 Select the DAB band (DAB1, DAB2, or DAB3) you want.



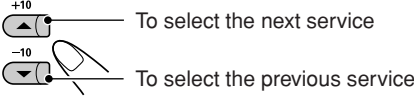
Each time you press the button, the DAB band changes as follows:



3 Tune in to an ensemble you want.



4 Select a service of the ensemble you want to listen to.



5 Press and hold the number button (in this example, 1) for more than 2 seconds to store the selected service into the preset number you want.



Selected preset number



6 Repeat the above procedure to store other DAB services into other preset numbers.

Notes:

- You can only preset primary DAB services. If you store a secondary service, its primary service will be stored instead.
- A previously preset DAB service is erased when a new DAB service is stored in the same preset number.
- Preset DAB services are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the DAB services again.

Tuning in to a preset DAB service

You can easily tune in to a preset DAB service. Remember that you must store services first. If you have not stored them yet, see “Storing DAB services in memory” on pages 49 and 50.

Before you start....

Press FM/AM DAB briefly if CD, CD changer, or external component is the current source.

1 Select the DAB tuner.



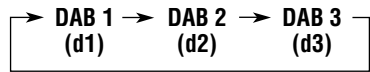
Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

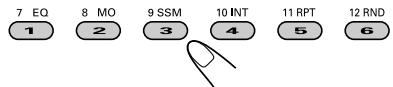
2 Select the DAB band (DAB1, DAB2, or DAB3) you want.



Each time you press the button, the DAB band changes as follows:



3 Select the number (1 – 6) for the preset DAB service (primary) you want.



Note:

If the selected primary service has some secondary services, pressing the same number button repeatedly will tune in to the secondary services.

What you can do more with DAB

Tracing the same programme automatically (Alternative Reception)

You can keep listening to the same programme.

- **While receiving a DAB service:**
When driving in an area where a service cannot be received, this unit automatically tunes in to another ensemble or FM RDS station, broadcasting the same programme.
- **While receiving an FM RDS station:**
When driving in an area where a DAB service is broadcasting the same programme as the FM RDS station is broadcasting, this unit automatically tunes in to the DAB service.

To use Alternative Reception

When shipped from the factory, Alternative Reception is activated.

- See also “Changing the general settings (PSM)” on pages 34 and 35.
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
 - 2 Press **▲ ►►** or **◄◄ ▼** to select “DAB AF” (alternative frequency).
 - 3 Turn the control dial to select the desired mode.
 - AF ON: Traces the programme among DAB services and FM RDS stations—Alternative Reception. The AF indicator lights up on the display (see page 14).
 - AF OFF: Alternative Reception is deactivated.
 - 4 Press SEL (select) to finish the setting.

Note:

When Alternative Reception (for DAB services) is activated, Network-Tracking Reception (for RDS stations: see page 14) is also activated automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Reception.

To adjust the DAB volume level

You can adjust the volume level of DAB tuner and store it in memory. By adjusting the volume level properly to match it to the FM sound level, you will not need to adjust the volume level each time you change the source to DAB.

When shipped from the factory, DAB volume level is set at “VOL 00.”

- See also “Changing the general settings (PSM)” on pages 34 and 35.
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
 - 2 Press **▲ ►►** or **◄◄ ▼** to select “DAB VOL” (volume).
 - 3 Turn the control dial to set to the desired volume.
You can set it from “VOL -12” to “VOL +12.”
 - 4 Press SEL (select) to finish the setting.



ADDITIONAL INFORMATION

Sound modes (preset frequency level settings)

The list below shows the preset frequency level settings for each sound mode.

Sound modes	Preset equalizing values						
	LOW LEVEL	LOW FREQ	LOW WIDTH	MID LEVEL	MID WIDTH	HI LEVEL	HI FREQ
FLAT	00	60Hz	1	00	1	00	8kHz
HARD ROCK	+03	120Hz	4	00	1	+02	8kHz
R&B	+03	80Hz	1	+01	1	+03	15kHz
POP	+02	120Hz	1	+01	1	+02	10kHz
JAZZ	+03	80Hz	1	00	1	+03	10kHz
DANCE MUSIC	+04	60Hz	2	-02	2	+01	8kHz
COUNTRY	+02	60Hz	3	00	1	+02	12kHz
REGGAE	+03	60Hz	1	+02	1	+02	12kHz
CLASSIC	+01	80Hz	1	00	1	+03	10kHz
USER 1	00	60Hz	1	00	1	00	8kHz
USER 2	00	60Hz	1	00	1	00	8kHz
USER 3	00	60Hz	1	00	1	00	8kHz

Available characters

In addition to the alphabets (A – Z, a – z), you can use the following characters to assign names to CDs and CD changer—only for KD-G801. (See page 39.)

- These characters can be also used to show other information such as disc title/performer, RDS, and DAB on the display.

Accented letters

Upper case

Á	À	Â	Ã	Ä
Å	Æ	Œ	Č	Ć
Ç	É	È	Ê	Ë
Ğ	Í	Î	Ï	İ
Ñ	Ó	Ô	Õ	Ö
Ø	Œ	Ř	Ś	Š
Ş	Ş	Ú	Û	Ü
Û	Ý	Ž	Ž	ß
Ɔ	Ɔ	Ɔ	Ɔ	Ɔ
İ	ı	đ	đ	đ
İ	ı	đ	đ	đ

Lower case

á	à	â	ã	ä
å	æ	œ	č	ć
ç	é	è	ê	ë
ğ	í	î	ï	ı
ñ	ó	ô	õ	ö
ø	œ	ř	ś	š
ş	ş	ú	û	ü
Û	Ý	Ž	Ž	ß
Ɔ	Ɔ	Ɔ	Ɔ	Ɔ
İ	ı	đ	đ	đ
İ	ı	đ	đ	đ

Numbers and symbols


0	1	2	3	4
5	6	7	8	9
!	"	#	\$	%
&	'	()	*
+	,	-	.	/
:	;	<	=	>
?	@	_	`	i
¿	£	€	α	space

TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none"> This unit does not work at all. 	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Press the reset button on the control panel. (Your preset adjustments will also be erased.) (See page 2.)
	<ul style="list-style-type: none"> When "PUSH RESET" appears on the display. 	There is something blocking the control movement.	Press the reset button on the control panel. (See page 2.) If the reset button does not work, check the Installation/Connection Manual (separate volume). (Ex.: You have used a longer screw than specified.)
FM/AM	<ul style="list-style-type: none"> SSM (Strong-station Sequential Memory) automatic preset does not work. 	Signals are too weak.	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	The aerial is not connected firmly.	Connect the aerial firmly.
Disc Playback	<ul style="list-style-type: none"> Disc cannot be played back. 	Disc is inserted upside down.	Insert the disc correctly.
	<ul style="list-style-type: none"> CD-R/CD-RW cannot be played back. Tracks on the CD-R/CD-RW cannot be skipped. 	CD-R/CD-RW is not finalized.	<ul style="list-style-type: none"> Insert a finalized CD-R/CD-RW. Finalize the CD-R/CD-RW with the component which you used for recording.
		Disc cannot be ejected.	Disc is locked.
	<ul style="list-style-type: none"> Disc sound is sometimes interrupted. 	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none"> Disc cannot be recognized ("NO DISC" appears on the display). 	No disc in the loading slot.	Insert a disc into the loading slot.
Disc is inserted incorrectly.		Insert the disc correctly.	
The unit may have functioned incorrectly.		While pressing CD/CD-CH (for KD-G801) or CD (for KD-G701), press and hold SEL (select) for more than 2 seconds to eject the disc.	



	Symptoms	Causes	Remedies
MP3/WMA Playback	<ul style="list-style-type: none"> • Disc cannot be played back. 	No MP3/WMA files are recorded on the disc.	Change the disc.
		MP3/WMA files do not have the extension code <.mp3> or <.wma> in their file names.	Add the extension code <.mp3> or <.wma> to their file names.
		MP3/WMA files are not recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.	Change the disc. (Record MP3/WMA files using a compliant application.)
	<ul style="list-style-type: none"> • Noise is generated. 	The file played back is not an MP3/WMA file (although it has the extension code <.mp3> or <.wma>).	Skip to another file or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or non-WMA files.)
	<ul style="list-style-type: none"> • A longer readout time is required ("FILE CHECK" keeps flashing on the display). 	Readout time varies due to the complexity of the folder/file configuration.	Do not use too many hierarchies and folders.
	<ul style="list-style-type: none"> • Files cannot be played back as you have intended them to play. 	Playback order is determined when the files are recorded.	_____
	<ul style="list-style-type: none"> • Elapsed playing time is not correct. 	This sometimes occurs during play. This is caused by how the files are recorded on the disc.	_____
	<ul style="list-style-type: none"> •  indicator flashes on the display. 	The current folder does not contain any MP3/WMA file.	Select another folder.
<ul style="list-style-type: none"> • "NO FILES" appears on the display. 	The current disc does not contain any MP3/WMA file.	Insert a disc that contains MP3/WMA files.	
<ul style="list-style-type: none"> • Correct characters are not displayed (e.g. album name). 	This unit can only display alphabets (capital: A–Z, small: a–z), numbers, and a limited number of symbols and some accented letters (see page 52).	_____	



This section is only for KD-G801

Symptoms	Causes	Remedies
<ul style="list-style-type: none"> • “NO DISC” appears on the display. 	No disc is in the magazine.	Insert discs into the magazine.
	Discs are inserted upside down.	Insert discs correctly.
<ul style="list-style-type: none"> • “NO MAG” appears on the display. 	No magazine is loaded in the CD changer.	Insert the magazine.
<ul style="list-style-type: none"> • “RESET 8” appears on the display. 	This unit is not connected to the CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
<ul style="list-style-type: none"> • “RESET 1” – “RESET 7” appears on the display. 	_____	Press the reset button of the CD changer.
<ul style="list-style-type: none"> • The CD changer does not work at all. 	The built-in microcomputer may function incorrectly due to noise, etc.	Press the reset button on the control panel. (Your preset adjustments will also be erased.) (See page 2.)

CD Changer

About mistracking:

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the disc, but will be annoying.

We recommend that you stop disc play while driving on such rough roads.



MAINTENANCE

Handling discs

This unit has been designed to reproduce CDs, CD-Rs (Recordable), CD-RWs (Rewritable), and CD Texts.

- This unit is also compatible with MP3 and WMA discs.

How to handle discs

When removing a disc from its case,

press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

Center holder



When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

To keep discs clean

A dirty disc may not be played correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.



Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

When playing a CD-R or CD-RW

Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.

- Use only “finalized” CD-Rs or CD-RWs.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, and for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- CD-Rs or CD-RWs are susceptible to high temperatures or high humidity, so do not leave them inside your car.
- Do not use following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs. For example,

- Stickers or labels may shrink and warp a disc.
- Stickers or labels may be peeled off so discs cannot be ejected.
- Print on discs may get sticky.

Read instructions or cautions about labels and printable discs carefully.

CAUTIONS:

- Do not insert 8 cm discs (single CDs) into the loading slot. (Such discs cannot be ejected.)
- Do not insert any disc of unusual shape—like a heart or flower; otherwise, it will cause a malfunction.
- Do not expose discs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

Warped disc



Sticker



Sticker residue

Disc



Stick-on label

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 50 W per channel

Rear: 50 W per channel

Continuous Power Output (RMS):

Front: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Rear: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Equalizer Control Range

Low: ± 12 dB (60 Hz, 80 Hz, 100 Hz, 120 Hz)

Mid: ± 12 dB

High: ± 12 dB (8 kHz, 10 kHz, 12 kHz, 15 kHz)

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Only for KD-G801:

Line-Out Level/Impedance:
5.0 V/20 k Ω load (full scale)

Only for KD-G701:

Line-Out Level/Impedance:
2.0 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

Only for KD-G801:

Subwoofer-Out Level/Impedance:
2.0 V/20 k Ω load (full scale)

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 108.0 MHz

AM: (MW) 522 kHz to 1 620 kHz

(LW) 144 kHz to 279 kHz

[FM Tuner]

Usable Sensitivity:

11.3 dBf (1.0 μ V/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μ V/75 Ω)

Alternate Channel Selectivity (400 kHz):

65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 30 dB

Capture Ratio: 1.5 dB

[MW Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

[LW Tuner]

Sensitivity: 50 μ V

CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

MP3 decoding format:

MPEG1/2 Audio Layer 3

Max. Bit Rate: 320 Kbps

WMA (Windows Media[®] Audio) decoding format:

Max. Bit Rate: 192 Kbps

GENERAL

Power Requirement

Operating Voltage:

DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature:

0°C to +40°C

Dimensions (W \times H \times D):

Installation Size (approx.):

182 mm \times 52 mm \times 159 mm

Panel Size (approx.):

188 mm \times 58 mm \times 12 mm

Mass (approx.):

1.5 kg (excluding accessories)

Design and specifications are subject to change without notice.

**Having TROUBLE with operation?
Please reset your unit**

Refer to page of How to reset your unit

**Haben Sie PROBLEME mit dem Betrieb?
Bitte setzen Sie Ihr Gerät zurück**

Siehe Seite Zurücksetzen des Geräts

**Vous avez des PROBLÈMES de fonctionnement?
Réinitialisez votre appareil**

Référez-vous à la page intitulée Comment réinitialiser votre appareil

**Hebt u PROBLEMEN met de bediening?
Stel het apparaat terug**

Zie de pagina met de paragraaf Het apparaat terugstellen

JVC

VICTOR COMPANY OF JAPAN, LIMITED



EN, GE, FR, NL

© 2004 VICTOR COMPANY OF JAPAN, LIMITED

0104KKSMdTJEIN

ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC IN-CAR ENTERTAINMENT dealers.

DEUTSCH

Dieses Gerät ist für einen Betrieb in **elektrischen Anlagen mit 12 V Gleichstrom und (-) Erdung ausgelegt**. Verfügt Ihr Fahrzeug nicht über diese Anlage, ist ein Spannungsinverter erforderlich, der bei JVC Autoradiohändler erworben werden kann.

FRANÇAIS

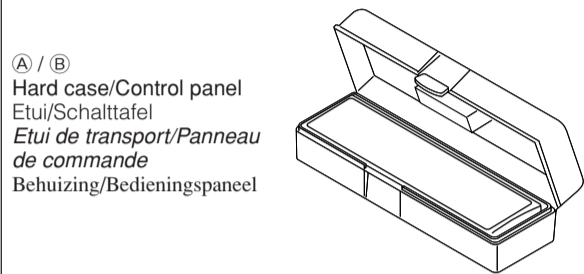
Cet appareil est conçu pour fonctionner sur des sources de courant continu de **12 V à masse NEGATIVE**. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

NEDERLANDS

Dit apparaat mag worden gebruikt bij elektrische systemen die werken op **12 V gelijkstroom met negatieve aarding**. Als uw auto niet is uitgerust met een dergelijk systeem, is een spanningsomzetter vereist. Dit instrument kan worden aangeschaft bij JVC car audio dealers.

Parts list for installation and connection

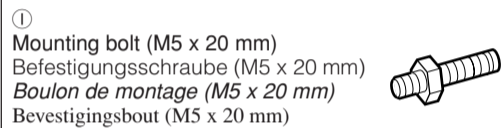
The following parts are provided for this unit. After checking them, please set them correctly.



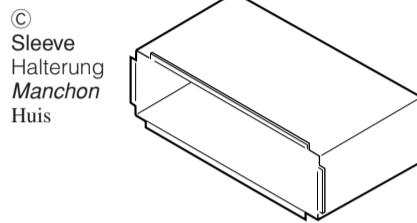
A / B
Hard case/Control panel
Etui/Schalttafel
Etui de transport/Panneau de commande
Behuizing/Bedieningspaneel



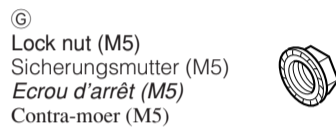
F
Washer (ø5)
Unterlegscheibe (ø5)
Rondelle (ø5)
Sluiring (ø5)



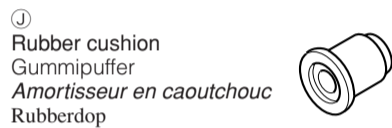
I
Mounting bolt (M5 x 20 mm)
Befestigungsschraube (M5 x 20 mm)
Boulon de montage (M5 x 20 mm)
Bevestigingsbout (M5 x 20 mm)



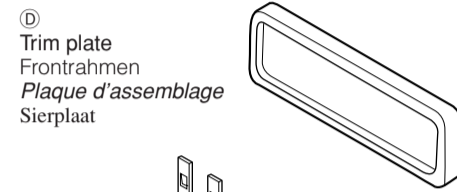
C
Sleeve
Halterung
Manchon
Huis



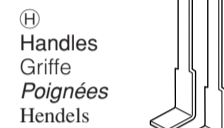
G
Lock nut (M5)
Sicherungsmutter (M5)
Ecrou d'arrêt (M5)
Contra-moer (M5)



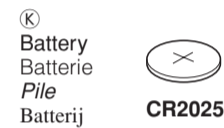
J
Rubber cushion
Gummipuffer
Amortisseur en caoutchouc
Rubberdop



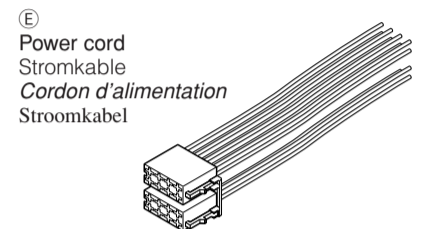
D
Trim plate
Frontrahmen
Plaque d'assemblage
Sierplaat



H
Handles
Griffe
Poignées
Hendels



K
Battery
Batterie
Pile
Batterij
CR2025



E
Power cord
Stromkabel
Cordon d'alimentation
Stroomkabel



L
Remote controller
Fernbedienung
Télécommande
Afstandsbediening

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.

- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

EINBAU (IM ARMATURENBRETT)

Die folgende Abbildung zeigt einen typischen Einbau. Bei irgendwelchen Fragen oder wenn Sie Informationen hinsichtlich des Einbausatzes brauchen, wenden Sie sich an ihren JVC Autoradiohändler oder ein Unternehmen das diese Einbausätze vertreibt.

- Sind Sie sich über den richtigen Einbau des Geräts nicht sicher, lassen Sie es von einem qualifizierten Techniker einbauen.

INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

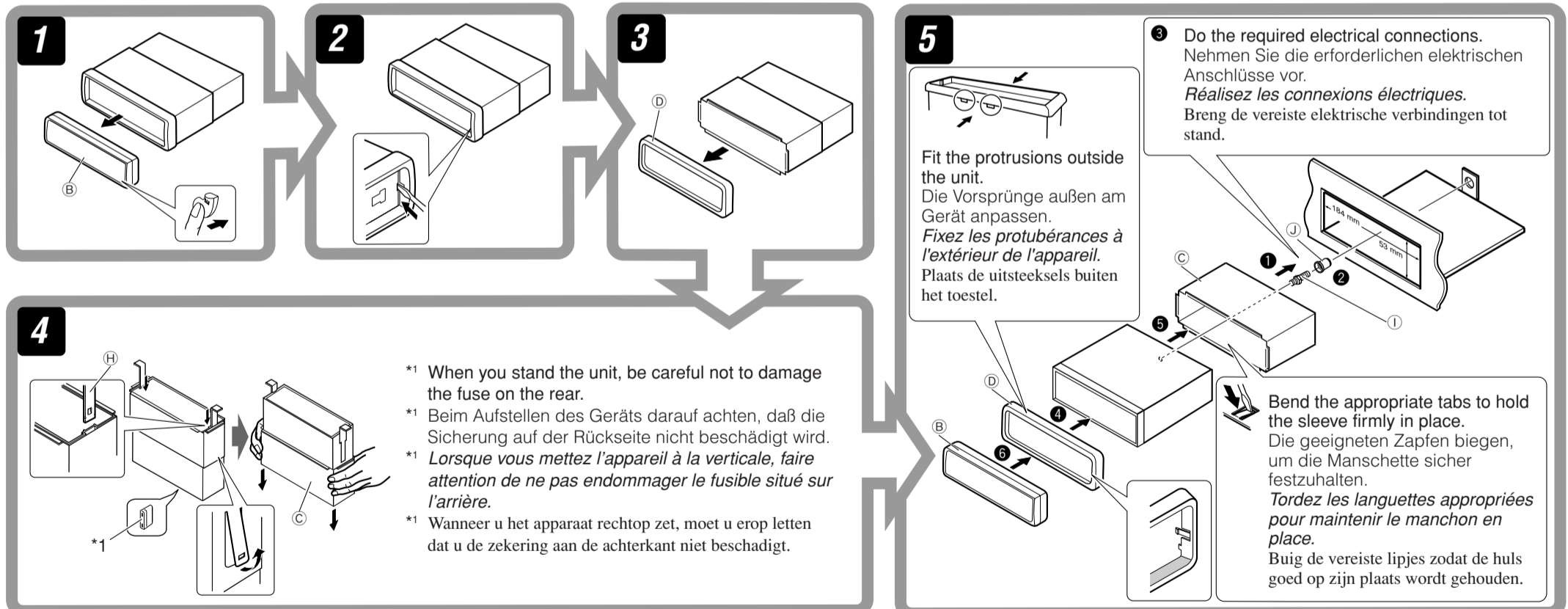
L'illustration suivante est un exemple d'installation typique. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.

- Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

INSTALLATIE (INBOUW IN HET DASHBOARD)

Op de volgende afbeelding kunt u zien hoe de installatie, normaal gesproken, in zijn werk gaat. Neem bij vragen of voor meer bijzonderheden over inbouwpakketten contact op met uw JVC car audio dealer of een dealer of een bedrijf dat inbouwpakketten levert.

- Als u niet zeker weet hoe u dit apparaat moet installeren, kunt u dit beter door een daartoe gekwalificeerde technicus laten doen.



Removing the unit

Before removing the unit, release the rear section.

Ausbau des Geräts

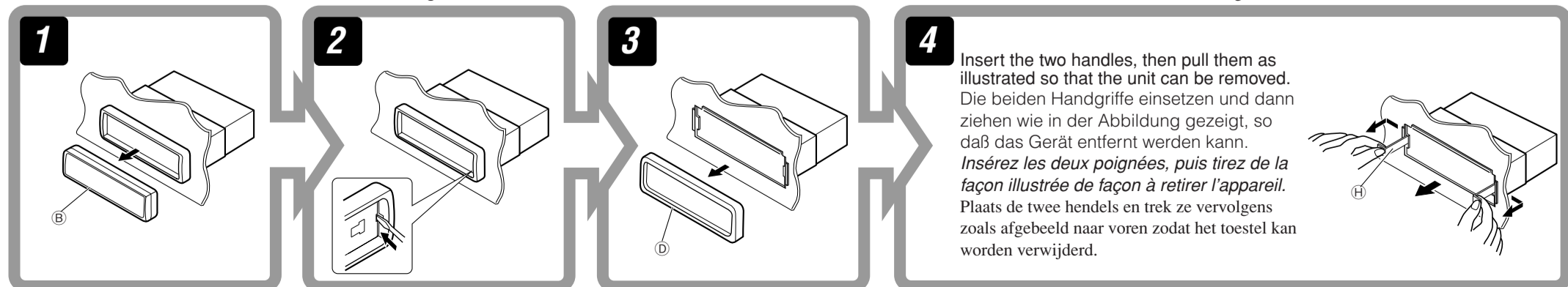
Vor dem Ausbau des Geräts den hinteren Teil freigeben.

Retrait de l'appareil

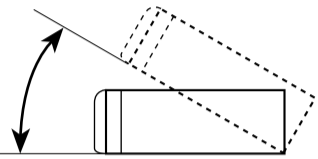
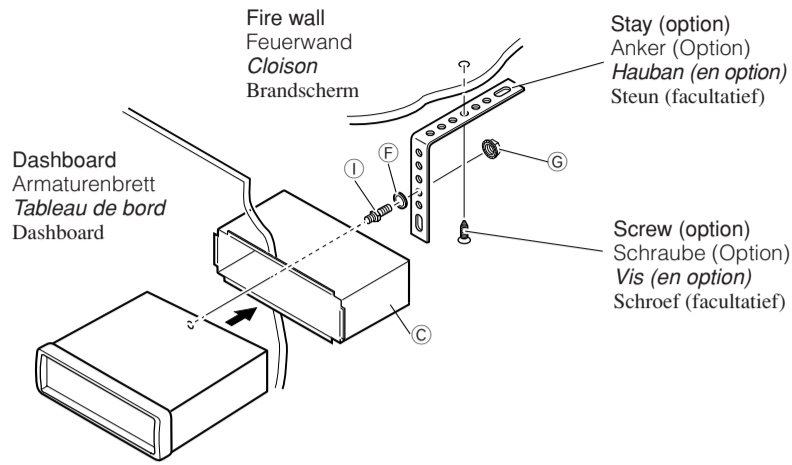
Avant de retirer l'appareil, libérer la section arrière.

Verwijderen van het apparaat

Voordat u het apparaat verwijdert, moet u het achtergedeelte losmaken.



When using the optional stay / Beim Verwenden der Anker-Option / Lors de l'utilisation du hauban en option / Wanneer u de steun gebruikt (facultatief)

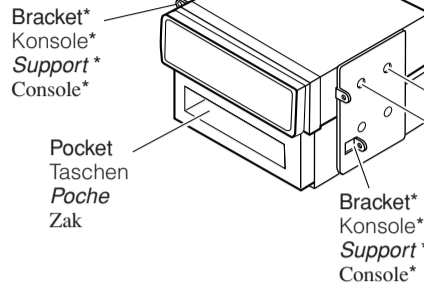


Install the unit at an angle of less than 30°.
Stellen Sie das Gerät mit einem Winkel von weniger als 30° auf.
Installez l'appareil avec un angle de moins de 30°.
Installeer het toestel met een hoek kleiner dan 30°.

When installing the unit without using the sleeve / Beim Einbau des Geräts ohne Halterung / Lors de l'installation de l'appareil sans utiliser de manchon / Wanneer u het apparaat zonder huis installeert

In a Toyota for example, first remove the car radio and install the unit in its place.
Zum Beispiel in einem Toyota zuerst das Autoradio ausbauen und dann das Gerät an seinem Platz einbauen.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.
Voorbeeld: Bij een Toyota moet u eerst de autoradio verwijderen en daarna het apparaat installeren.

Flat type screws (M5 x 8 mm)*
Senkkopfschrauben (M5 x 8 mm)*
Vis à tête plate (M5 x 8 mm)*
Platkop Schroeven (M5 x 8 mm)*



* Not included with this unit.
* Nicht Teil dieses Geräts.
* Non fourni avec cet appareil.
* Niet meegeleverd.

Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
Hinweis : Beim Anbringen des Gerät an der Konsole sicherstellen, daß 8 mm lange Schrauben verwendet werden. Werden längere Schrauben verwendet, können sie das Gerät beschädigen.
Remarque : Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 8 mm. Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.
Opmerking : Wanneer u het apparaat aan de bevestigingsklem vastmaakt, moet u de 8 mm lange schroeven gebruiken. Als u langere schroeven gebruikt, kan het apparaat worden beschadigd.

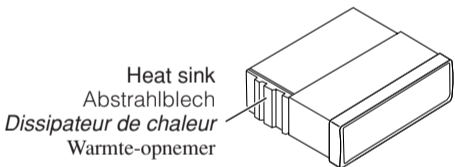
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- Be sure to ground this unit to the car's chassis again after installation.

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC IN-CAR ENTERTAINMENT dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of 4 Ω to 8 Ω). If the maximum power is less than 50 W, change "AMP.GAIN" setting to prevent the speakers from being damaged (see page 38 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



ELEKTRISCHE ANSCHLÜSSE

Zur Vermeidung von Kurzschlüssen empfehlen wir, daß Sie den negativen Batterieanschluß abtrennen und alle elektrischen Anschlüsse herstellen, bevor das Gerät eingebaut wird.

- Sicherstellen, daß das Gerät nach dem Einbau a Chassis des Fahrzeugs geerdet wird.

Hinweise:

- Die Sicherung mit einer der entsprechenden Nennleistung ersetzen. Brennt die Sicherung häufig durch, wenden Sie sich an ihren JVC Autoradiohändler.
- Es wird empfohlen, Lautsprecher mit einer Maximalleistung von mehr als 50 W anzuschließen (sowohl hinten als auch vorne, mit einer Impedanz von 4 Ω bis 8 Ω). Wenn die Maximalleistung weniger als 50 W beträgt, stellen Sie „AMP.GAIN“ anders ein, um Schäden an den Lautsprechern zu vermeiden (siehe Seite 38 der BEDIENUNGSANLEITUNG).
- Zur Vermeidung eines Kurzschlusses die Anschlußklemmen der NICHT VERWENDETEN Leitungen mit Isolierklebeband umwickeln.
- Das Abstrahlblech wird nach dem Gebrauch sehr heiß. Beim Ausbau des Geräts darauf achten, das Abstrahlblech nicht zu berühren.

RACCORDEMENTS ELECTRIQUES ELEKTRISCHE VERBINDINGEN

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil.

- Assurez-vous de raccorder de nouveau la mise à la masse de cet appareil au châssis de la voiture après l'installation.

Remarques:

- Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.
- Il est recommandé de connecter des enceintes avec une puissance de plus de 50 W (les enceintes arrière et les enceintes avant, avec une impédance comprise entre 4 Ω et 8 Ω). Si la puissance maximum est inférieure à 50 W, changez "AMP.GAIN" pour éviter d'endommager vos enceintes (voir page 38 du MANUEL D'INSTRUCTIONS).
- Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS UTILISÉS avec de la bande isolante.
- Le dissipateur de chaleur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

Om kortsluiting te voorkomen adviseren wij u om de minpool van de accu los te maken en alle elektrische verbindingen tot stand te brengen voordat u het apparaat in de auto installeert.

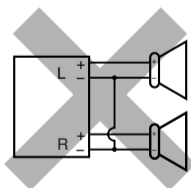
- Aard dit toestel beslist weer op het chassis van de auto na het installeren.

Opmerkingen:

- Vervang de zekering door een exemplaar met het aangegeven vermogen. Als de zekering vaak doorslaat, moet u uw JVC car audio dealer raadplegen.
- Sluit bij voorkeur luidsprekers met een hoger maximaal vermogen dan 50 W (zowel achter als voor, met een impedantie van 4 Ω t/m 8 Ω) aan. Indien het maximale vermogen lager dan 50 W is, moet u "AMP.GAIN" in de andere stand stellen zodat de luidsprekers niet kunnen worden beschadigd (zie bladzijde 38 van de GEBRUIKSAANWIJZING).
- Om kortsluiting te voorkomen, moet u de aansluitklemmen van ONGEBRUIKTE gekleurde draden met isolatieband bedekken.
- De warmte-opnemer kan na gebruik erg heet worden. Raak de warmte-opnemer niet aan wanneer u dit apparaat van zijn plaats haalt.

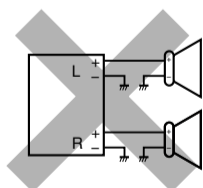
PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.



VORSICHTSMASREGELN beim Anschließen der Stromversorgung und Lautsprecher:

- Die Lautsprecherleitungen des Netzkabels NICHT an der Autobatterie anschließen, da sonst das Gerät schwer beschädigt wird.
- VOR dem Anschließen der Lautsprecherleitungen des Spannungsversorgungskabels an die Lautsprecher, die Lautsprecherverdrahtung in Ihrem Auto überprüfen.

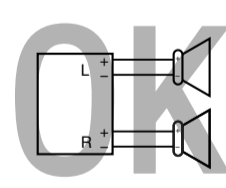


PRECAUTIONS sur l'alimentation et la connexion des enceintes:

- NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.
- AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.

VOORZORGSMAATREGELEN bij het verbinden van de stroomkabeldraad met de speakers:

- Verbind de speakerdraden van de stroomkabel NIET met de accu van de auto; als u dit wel doet, zal het apparaat ernstige schade oplopen.
- VOORDAT u de speakerdraden van de stroomkabel met de speakers verbindt, moet u de bedrading van de speakers in uw auto controleren.



TROUBLESHOOTING

- The fuse blows.
 - * Are the red and black leads connected correctly?
- Power cannot be turned on.
 - * Is the yellow lead connected?
- No sound from the speakers.
 - * Is the speaker output lead short-circuited?
- Sound is distorted.
 - * Is the speaker output lead grounded?
 - * Are the "-" terminals of L and R speakers grounded in common?
- Noise interfere with sounds.
 - * Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- Unit becomes hot.
 - * Is the speaker output lead grounded?
 - * Are the "-" terminals of L and R speakers grounded in common?

FEHLERSUCHE

- Die Sicherung brennt durch.
 - * Sind die roten und schwarzen Leitungen richtig angeschlossen?
- Stromversorgung kann nicht eingeschaltet werden.
 - * Ist die gelbe Leitung angeschlossen?
- Kein Ton aus den Lautsprechern.
 - * Ist die LautsprecherAusgangsleitung kurzgeschlossen?
- Ton verzerrt.
 - * Ist die LautsprecherAusgangsleitung geerdet?
 - * Sind die (-) Anschlußklemmen der linken und rechten Lautsprecher zusammen geerdet?
- Störgeräusche im Klang.
 - * Ist die hintere Erdungsklemme mit kürzeren und dickeren Kabeln an das Fahrzeugchassis angeschlossen?
- Gerät wird heiß.
 - * Ist die LautsprecherAusgangsleitung geerdet?
 - * Sind die (-) Anschlußklemmen der linken und rechten Lautsprecher zusammen geerdet?

EN CAS DE DIFFICULTES

- Le fusible saute.
 - * Les fils rouge et noir sont-ils raccordés correctement?
- L'appareil ne peut pas être mise sous tension.
 - * Le fil jaune est-elle raccordée?
- Pas de son des enceintes.
 - * Le fil de sortie d'enceinte est-il court-circuité?
- Le son est déformé.
 - * Le fil de sortie d'enceinte est-il à la masse?
 - * Les bornes "-" des enceintes gauche et droit sont-elles mises ensemble à la masse?
- Interférence avec les sons.
 - * La prise arrière de mise à la terre est-elle connectée au châssis de la voiture avec un cordon court et épais?
- L'appareil devient chaud.
 - * Le fil de sortie d'enceinte est-il à la masse?
 - * Les bornes "-" des enceintes gauche et droit sont-elles mises ensemble à la masse?

PROBLEMEN OPLOSSEN

- De zekering slaat door.
 - * Zijn de rode en de zwarte draden op de juiste manier aangesloten?
- De stroom kan niet worden ingeschakeld.
 - * Is de gele draad aangesloten?
- Er komt geen geluid uit de speakers.
 - * Is de uitgaande speakerdraad kortgesloten?
- Het geluid wordt vervormd.
 - * Is de uitgaande speakerdraad geaard?
 - * Zijn de "-" polen van de linker- en de rechterspeakers gemeenschappelijk geaard?
- Geluid wordt door ruis gestoord.
 - * Is de aarde-aansluiting achter met gebruik van kortere en dikkere snoeren met het chassis van de auto verbonden?
- Het apparaat raakt verhit.
 - * Is de uitgaande speakerdraad geaard?
 - * Zijn de "-" polen van de linker- en de rechterspeakers gemeenschappelijk geaard?

A Typical Connections / Typische Anschlüsse / Raccordements typiques / Normale verbindingen

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit. The leads of the power cord and those of the connector from the car body may be different in color.

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the aerial cord.
- 3 Finally connect the wiring harness to the unit.

Note: If your vehicle does not have any accessory terminal, move the fuse from the fuse position 1 (initial position) to fuse position 2, and connect the red lead (A7) to the positive (+) battery terminal.

- The yellow lead (A4) is not used in this case.

Vor dem Anschließen: Die Verdrahtung im Fahrzeug sorgfältig überprüfen. Falsche Anschlüsse können ernsthafte Schäden am Gerät hervorrufen. Die Leiter des Stromkabels und die Leiter des Anschlusses im Fahrzeug können sich farblich unterscheiden.

- 1 Die farbigen Adern des Stromkabels in der Reihenfolge anschließen, wie in der Abbildung unten gezeigt.
- 2 Das Antennenkabel anschließen.
- 3 Die Kabelbäume am Gerät anschließen.

Hinweis: Verfügt Ihr Fahrzeug nicht über eine Zubehöransteckklammer, die Sicherung von der 1. Sicherungsposition (Erstposition) in die 2. Sicherungsposition versetzen, die rote Leitung (A7) an der (+) Batterieanschlusssklemme anschließen.

- Die gelbe Leitung (A4) wird in diesem Fall nicht verwendet.

Avant de commencer la connexion: Vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil. Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

- 1 Connectez les fils colorés du cordon d'alimentation dans l'ordre spécifié sur l'illustration ci-dessous.
- 2 Connectez le cordon d'antenne.
- 3 Finalement, connectez le faisceau de fils à l'appareil.

Remarque: Si votre véhicule ne possède pas de borne accessoire, déplacez le fusible de la position de fusible 1 (position originale) à la position de fusible 2 et connectez le fil rouge (A7) à la borne positive (+) de la batterie.

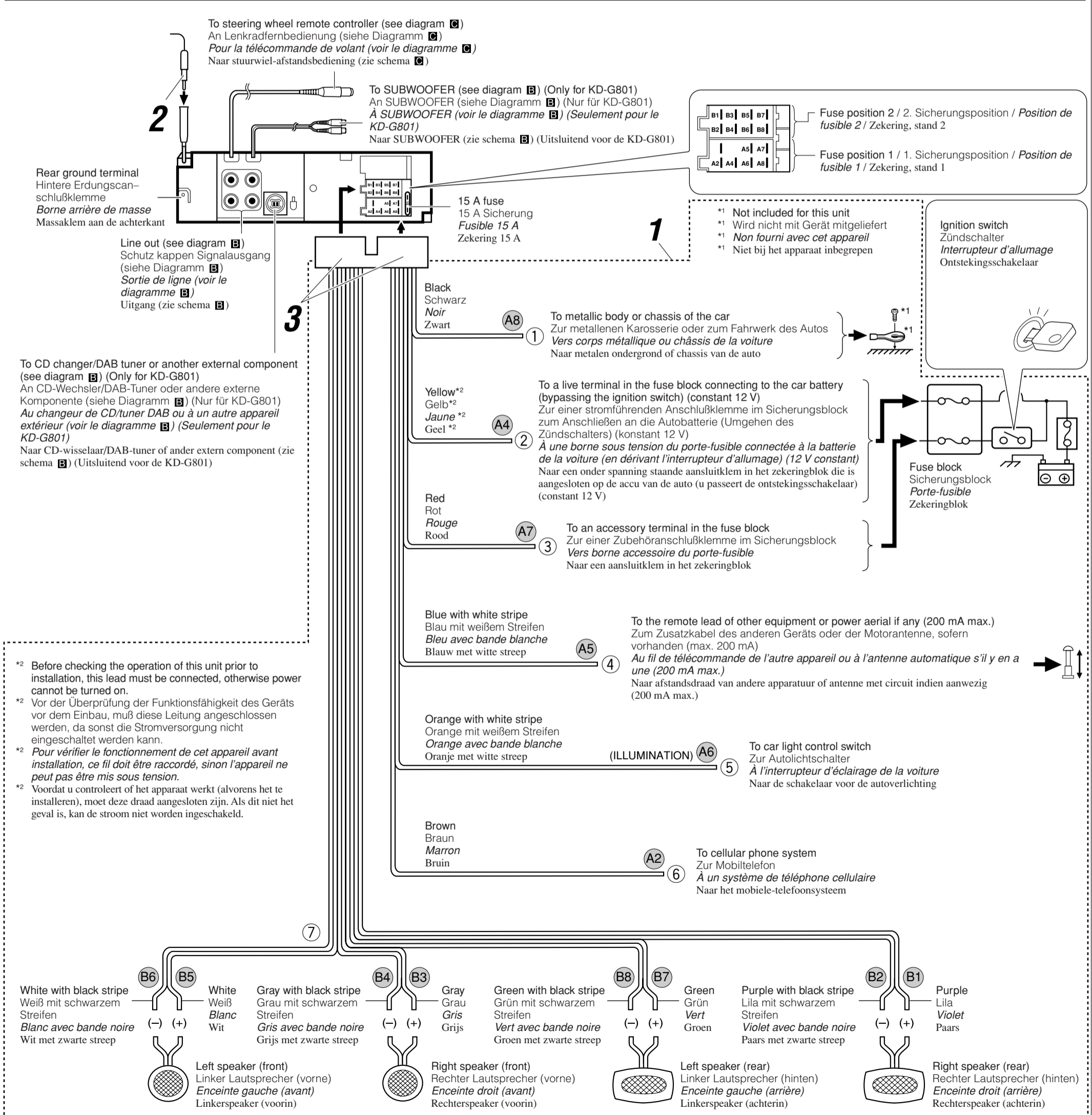
- Le fil jaune (A4) n'est pas utilisé dans ce cas.

Alvorens de verbindingen tot stand te brengen: Moet u de bedrading in de auto zorgvuldig. Het apparaat kan door verkeerde verbindingen ernstige schade oplopen. De draden van het stroom snoer verschillen mogelijk van kleur met de aansluitingen op het chassis van de auto.

- 1 Verbind de gekleurde draden van het stroom snoer in de afbeelding hieronder aangegeven volgorde.
- 2 Sluit de antenne aan.
- 3 Verbind de draadbundel daarna met het apparaat.

Opmerking: Als uw voertuig niet beschikt over een aansluitklem, moet u de zekering verplaatsen van stand 1 (beginstand) naar stand 2 en moet u de rode draad (A7) met de pluspool (+) van de accu verbinden.

- In dit geval wordt de gele draad (A4) niet gebruikt.



B Connections Adding Other Equipment / Anschlüsse zum Hinzufügen von anderer Ausrüstung / Raccordement pour ajouter d'autres appareils / Aansluitingen voor het toevoegen van andere apparatuur

Amplifier / Verstärker / Amplificateur / Versterker

You can connect an amplifier (and other equipment) to upgrade your car stereo system.

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- **For amplifier only:**
 - Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.
 - Only for KD-G801: The line output level of this unit is kept high to maintain the hi-fi sounds reproduced from this unit. When connecting an external amplifier to this unit, turn down the gain control on the external amplifier to obtain the best performance from this unit.

Sie können einen Verstärker (oder ein anderes Gerät anschließen), um Ihre Autostereoanlage zu erweitern.

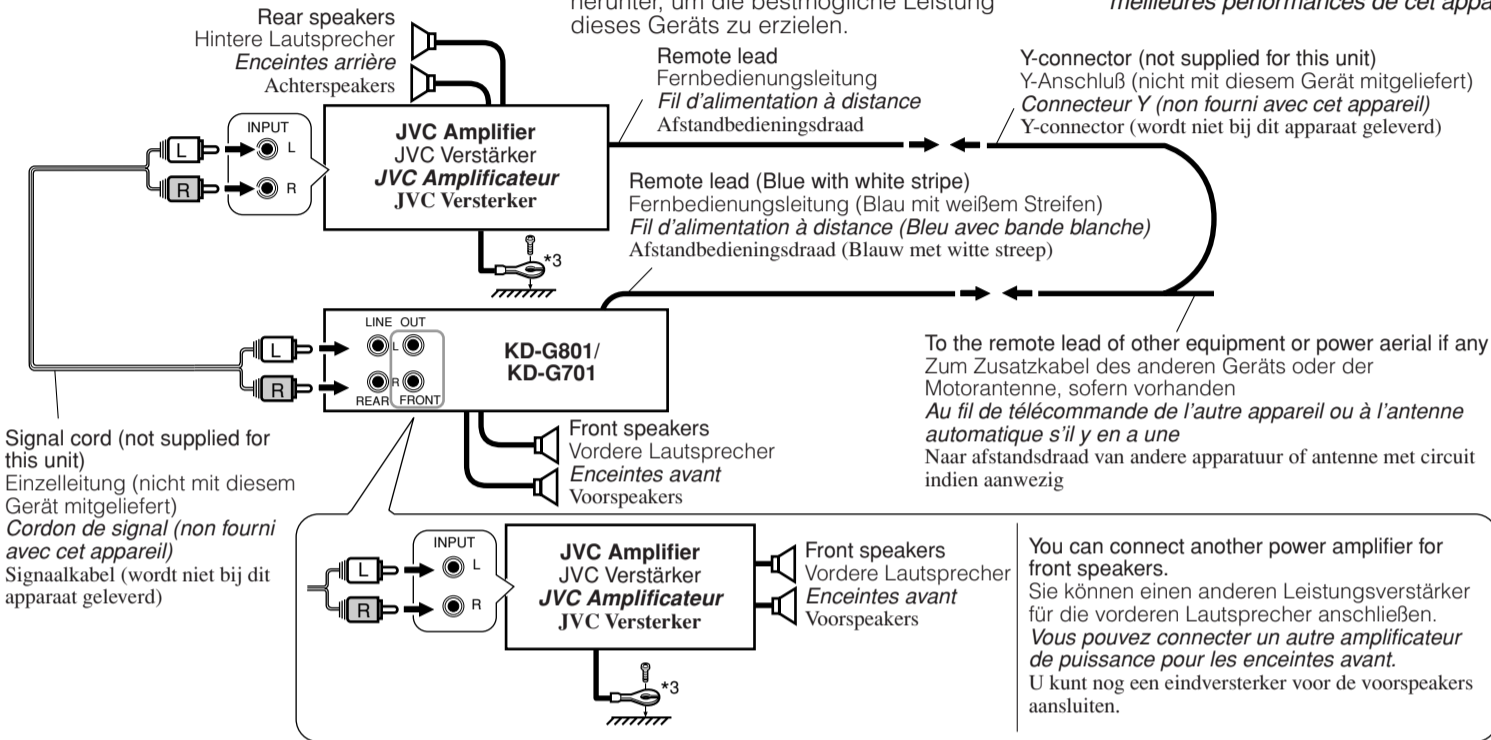
- Schließen Sie das Fernbedienungskabel (blau mit weißem Streifen) an das Fernbedienungskabel des anderen Geräts an, so daß es über dieses Gerät gesteuert werden kann.
- **Nur für den Verstärker:**
 - Die Lautsprecher von diesem Gerät abtrennen und am Verstärker anschließen. Die Lautsprecherleitungen dieses Geräts unbenutzt lassen.
 - Nur für KD-G801: Der Ausgangspegel dieses Geräts wird auf einem hohen Wert gehalten, um den Hi-Fi-Klang zu unterstützen, den dieses Gerät reproduziert. Wenn Sie einen externen Verstärker an dieses Gerät anschließen, stellen Sie den Verstärkungsregler des externen Verstärkers herunter, um die bestmögliche Leistung dieses Geräts zu erzielen.

Vous pouvez connecter (un amplificateur ou autre appareil) pour améliorer votre système autoradio.

- *Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.*
- **Pour l'amplificateur seulement:**
 - *Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés.*
 - *Seulement pour le KD-G801: Le niveau de sortie de ligne de cet appareil est maintenu à un niveau élevé pour maintenir une qualité Hi-Fi pour les sons reproduits par cet appareil. Lors de la connexion d'un amplificateur extérieur à cet appareil, diminuez le réglage du gain sur l'amplificateur extérieur pour obtenir les meilleures performances de cet appareil.*

Het is mogelijk om uw autostereosysteem uit te breiden met een versterker (of andere apparatuur).

- Verbind de externe kabel (blauw met witte streep) met de externe kabel van het andere apparaat zodat deze op afstand vanaf deze apparaat kan worden bediend.
- **Alleen voor een versterker:**
 - **Koppel de speakers van dit apparaat los en verbind ze aan de versterker. Gebruik de speakerdraden van dit apparaat niet.**
 - Uitsluitend voor de KD-G801: Het uitgangsniveau van het geluid is hoog om het hi-fi-geluid van deze eenheid te behouden. Wanneer u een extern apparaat op deze eenheid aansluit, moet u erop letten dat u de versterkingsfactor van de externe versterker laag houdt, zodat deze eenheid de beste prestaties levert.



^{*3} Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

^{*3} Verbinden Sie den Erdungsleiter mit der Karosserie oder dem Rahmen des Fahrzeugs. Die Kontaktstelle darf nicht lackiert sein (sollte die Kontaktstelle lackiert sein, entfernen Sie den Lack der Kontaktstelle, bevor Sie den Leiter befestigen). Wenn der Erdungsleiter nicht ordnungsgemäß angeschlossen wird, kann dieses Gerät beschädigt werden.

^{*3} Attachez solidement le fil de mise à la masse au châssis métallique de la voiture—à un endroit qui n'est pas recouvert de peinture (s'il est recouvert de peinture, enlevez d'abord la peinture avant d'attacher le fil). L'appareil peut être endommagé si cela n'est pas fait correctement.

^{*3} Bevestig de aarddraad goed met een metalen onderdeel of het chassis van de auto—bevestig op een niet-gelakt gedeelte (indien gelakt, schuur dan af alvorens de draad te bevestigen). Het toestel kan worden beschadigd indien de aarddraad niet goed is aangesloten.

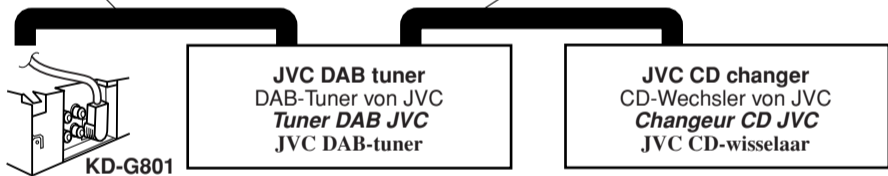
CD changer and DAB tuner / CD-Wechsler und DAB-Tuner / Changeur CD et tuner DAB / CD-wisselaar en DAB-tuner

Only for KD-G801 / Nur für KD-G801 / Seulement pour le KD-G801 / Uitsluitend voor de KD-G801

Refer also to page 42 of the INSTRUCTIONS.
Siehe auch Seite 42 in der BEDIENUNGSANLEITUNG.
Référez-vous aussi à la page 42 du MANUEL D'INSTRUCTIONS.
Zie tevens bladzijde 42 van de GEBRUIKSAANWIJZING.

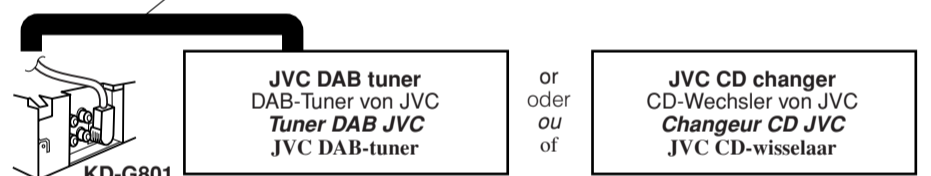
Connecting cord supplied for your DAB tuner
Verbindingskabel, das zum Lieferumfang des DAB-Tuners gehört
Cordon de connexion fourni avec votre tuner DAB
Verbindingskabel die met de DAB-tuner wordt meegeleverd

Connecting cord supplied for your CD changer
Verbindingskabel, das zum Lieferumfang des CD-Wechslers gehört
Cordon de connexion fourni avec votre changeur CD
Verbindingskabel die met de CD-wisselaar wordt meegeleverd



- You can connect both components in series as illustrated above.
- Es ist möglich, beide Komponenten in einer Serienschaltung entsprechend der obigen Darstellung anzuschließen.
- *Vous pouvez connecter les deux appareils en série comme montré ci-dessus.*
- Beide apparaten zijn volgens bovenstaande illustratie in serie aan te sluiten.

Connecting cord supplied for your DAB tuner or CD changer
Verbindingskabel, das zum Lieferumfang des DAB-Tuners oder CD-Wechslers gehört
Cordon de connexion fourni avec votre tuner DAB ou changeur CD
Verbindingskabel die met de DAB-tuner of CD-wisselaar wordt meegeleverd



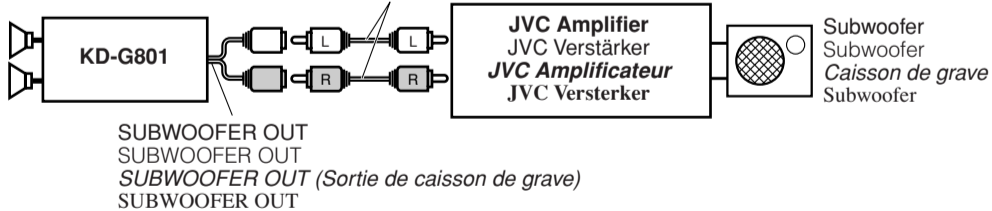
CAUTION / VORSICHT / PRECAUTION / LET OPI!

- Before connecting the CD changer and/or the DAB tuner, make sure that the unit is turned off.
- Bevor Sie den CD-Wechsler und/oder den DAB-Tuner anschließen, vergewissern Sie sich, daß das Gerät ausgeschaltet ist.
- *Avant de connecter le changeur CD et/ou le tuner DAB, s'assurer que l'unité est éteinte.*
- Zorg ervoor dat het apparaat is uitgeschakeld alvorens u de CD-wisselaar en/of DAB-tuner aansluit.

Subwoofer / Subwoofer / Caisson de grave / Subwoofer

Only for KD-G801 / Nur für KD-G801 / Seulement pour le KD-G801 / Uitsluitend voor de KD-G801

Signal cord (not supplied for this unit)
Einzelleitung (nicht mit diesem Gerät mitgeliefert)
Cordon de signal (non fourni avec cet appareil)
Signaalkabel (wordt niet bij dit apparaat geleverd)

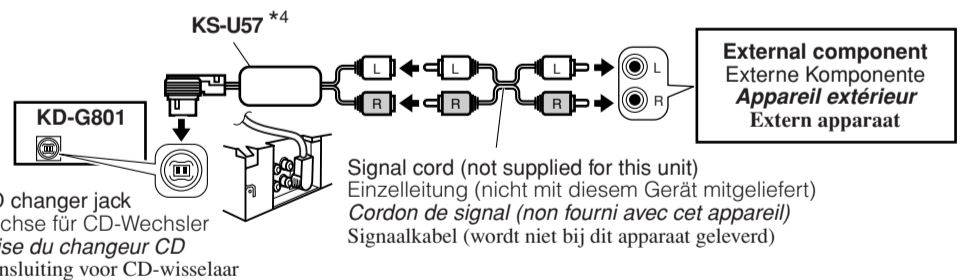


You can connect a subwoofer through an amplifier to reinforce the bass.

- For their connections, refer to the instructions supplied with your subwoofer.
- Sie können einen Subwoofer über einen Verstärker anschließen, um den Bass zu verstärken.
- Sehen Sie die mit Ihrem Subwoofer mitgelieferten Anweisungen bzgl. der Anschlüsse.
- *Vous pouvez connecter un caisson de grave par un amplificateur pour renforcer les graves.*
- *Pour la connexion, référez-vous aux instructions fournies avec le caisson de grave.*
- U kunt een subwoofer via een versterker aansluiten om de weergave van de lage tonen te versterken.
- Zie de bij de subwoofer geleverde aanwijzingen voor het verbinden.

External Component / Externe Komponente / Appareil extérieur / Extern apparaat

Only for KD-G801 / Nur für KD-G801 / Seulement pour le KD-G801 / Uitsluitend voor de KD-G801



^{*4} Line Input Adapter KS-U57 (not supplied with this unit)
^{*4} Line-Eingangsadapter KS-U57 (nicht mit diesem Gerät mitgeliefert)
^{*4} Adaptateur d'entrée de ligne KS-U57 (non fourni avec cet appareil)
^{*4} Line Input Adapter KS-U57 (wordt niet bij dit apparaat geleverd)

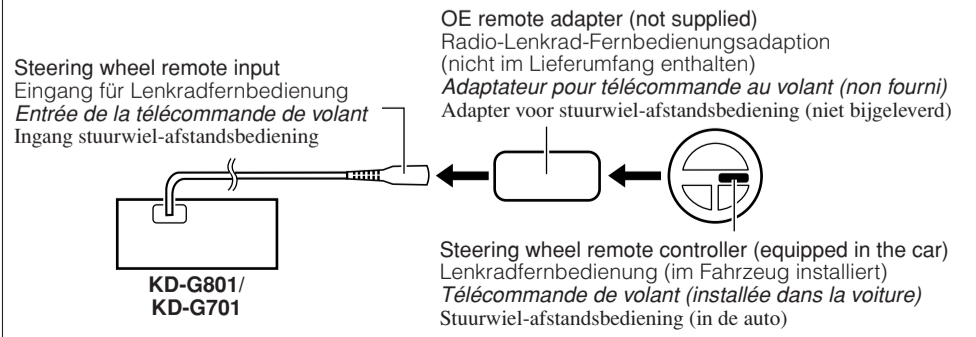
C Connecting to the steering wheel remote controller / Anschluß an die Lenkradfernbedienung / Connexion de la télécommande de volant / Verbinden met de stuurwiel-afstandsbediening

If your car is equipped with the steering wheel remote controller, you can operate this receiver using the controller. To do it, a JVC's OE remote adapter (not supplied) which matches with your car is required. Consult your JVC IN-CAR ENTERTAINMENT dealer for details.

Wenn Ihr Fahrzeug mit einer Lenkradfernbedienung ausgestattet ist, können Sie damit diesen Receiver steuern. Hierfür ist ein für Ihr Fahrzeug passender Radio-Lenkrad-Fernbedienungsadapter von JVC (nicht im Lieferumfang enthalten) erforderlich. Für weitere Einzelheiten wenden Sie sich an Ihren JVC Autoradiohändler.

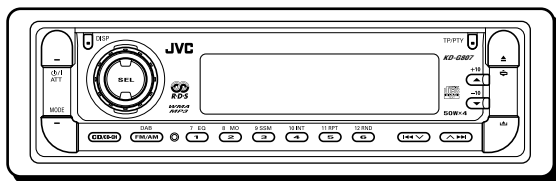
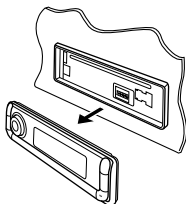
Si votre voiture est munie d'une télécommande de volant, vous pouvez commander cet autoradio en utilisant la télécommande. Pour le faire, un adaptateur pour télécommande au volant JVC (non fourni) correspondant à votre voiture est nécessaire. Consultez votre revendeur d'autoradio JVC pour les détails.

Indien uw auto een stuurwiel-afstandsbediening heeft, kunt u deze receiver met die afstandsbediening bedienen. Hiervoor heeft u echter een JVC adapter (niet bijgeleverd) nodig die geschikt is voor de stuurwiel-afstandsbediening van uw auto. Raadpleeg uw JVC car audio dealer voor details.



CD RECEIVER РЕСИВЕР С ПРОИГРЫВАТЕЛЕМ КОМПАКТ-ДИСКОВ

KD-G807



For installation and connections, refer to the separate manual.

Указания по установке и выполнению соединений приводятся в отдельной инструкции.

В соответствии с Законом Российской Федерации “О защите прав потребителей” срок службы (годности) данного товара “по истечении которого он может представлять опасность для жизни, здоровья потребителя, причинять вред его имуществу или окружающей среде” составляет семь (7) лет со дня производства. Этот срок является временем, в течение которого потребитель данного товара может безопасно им пользоваться при условии соблюдения инструкции по эксплуатации данного товара, проводя необходимое обслуживание, включающее замену расходных материалов и/или соответствующее ремонтное обеспечение в специализированном сервисном центре.

Дополнительные косметические материалы к данному товару, поставляемые вместе с ним, могут храниться в течение двух (2) лет со дня его производства.

Срок службы (годности), кроме срока хранения дополнительных косметических материалов, упомянутых в предыдущих двух пунктах, не затрагивает никаких других прав потребителя, в частности, гарантийного свидетельства JVC, которое он может получить в соответствии с законом о правах потребителя или других законов, связанных с ним.

- This unit is equipped with the display demonstration. To cancel it, see page 8.
- Данное устройство имеет функцию демонстрации на экране дисплея. Порядок ее отмены смотрите на странице 8.

INSTRUCTIONS ИНСТРУКЦИИ ПО ЭКСПЛУАТАЦИИ



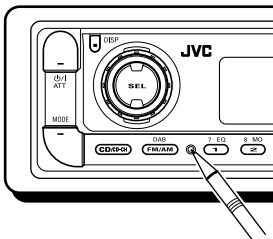
IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	VARNING : Synlig och osynlig laserstråling när den öppnas och spårren är urkopplad. Beträkta ej strålen. (s)	VARO : Avattassa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyväille ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan ihteeseen. (f)
---	--	---	---

How to reset your unit

Press the reset button on the control panel using a ball-point pen or similar tool. This will reset the built-in microcomputer.

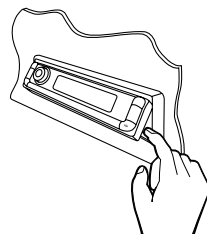


Note:

Your preset adjustments—such as preset channels or sound adjustments—will also be erased.

CAUTION:

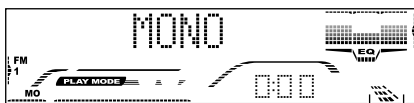
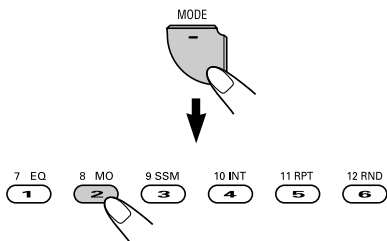
NEVER insert your finger in between the control panel and the unit, as it may get caught or hurt. (See page 40.)



How to use the MODE button

If you press MODE, the unit goes into functions mode, then the number buttons and ▲/▼ buttons work as different function buttons.

Ex.: When number button 2 works as MO (monaural) button.



Time countdown indicator

To use these buttons for original functions again after pressing **MODE**, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing **MODE** again also clears the functions mode.

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

CONTENTS

How to reset your unit	2	SOUND ADJUSTMENTS	31
How to use the MODE button	2	Adjusting the sound	31
LOCATION OF THE BUTTONS	4	Selecting preset sound modes (iEQ: intelligent equalizer)	32
Control panel	4	Storing your own sound adjustments	33
Remote controller	5	OTHER MAIN FUNCTIONS	34
Preparing the remote controller	6	Changing the general settings (PSM)	34
BASIC OPERATIONS	7	Assigning names to CDs	39
Turning on the power	7	Changing the control panel angle	40
Canceling the display demonstration	8	Detaching the control panel	41
Setting the clock	9	CD CHANGER OPERATIONS	42
RADIO OPERATIONS	10	Playing discs	42
Listening to the radio	10	Selecting the playback modes	45
Storing stations in memory	11	EXTERNAL COMPONENT OPERATIONS ...	47
Tuning in to a preset station	13	Playing an external component	47
RDS OPERATIONS	14	DAB TUNER OPERATIONS	48
What you can do with RDS	14	Tuning in to an ensemble and one of the services	48
Other convenient RDS functions and adjustments	19	Storing DAB services in memory	49
CD OPERATIONS	21	Tuning in to a preset DAB service	50
Playing a CD	21	What you can do more with DAB	51
Locating a track or a particular portion on a CD	22	ADDITIONAL INFORMATION	52
Selecting CD playback modes	23	TROUBLESHOOTING	53
Playing a CD Text	24	MAINTENANCE	56
Prohibiting disc ejection	24	Handling discs	56
MP3/WMA INTRODUCTION	25	SPECIFICATIONS	57
What are MP3/WMA?	25		
How are MP3/WMA files recorded and played back?	25		
MP3/WMA OPERATIONS	26		
Playing a disc	26		
Locating a file or a particular portion on a disc	27		
Selecting the playback modes	29		

BEFORE USE

*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

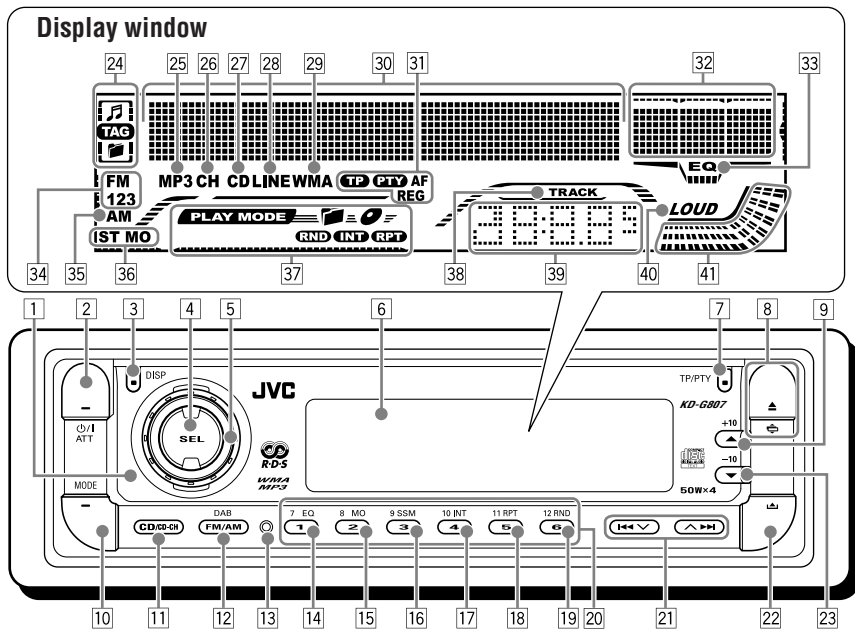
*Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.



LOCATION OF THE BUTTONS

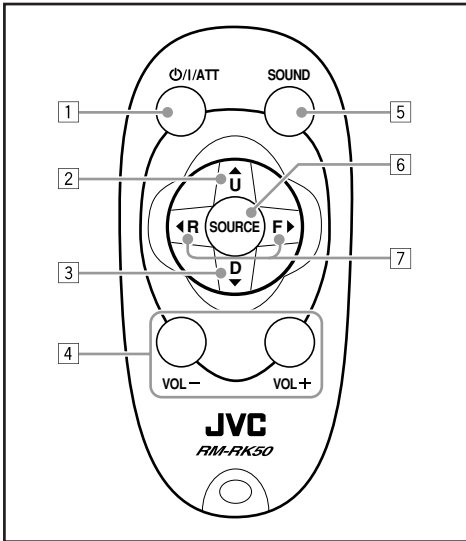
Control panel



- 1 Remote sensor
 - 2 Φ/I ATT (standby/on attenuator) button
 - 3 DISP (display) button
 - 4 SEL (select) button
 - 5 Control dial
 - 6 Display window
 - 7 TP/PTY (traffic programme/programme type) button
 - 8 \blacktriangle (eject) button
 - 9 \triangle (up) button +10 button
 - 10 MODE button
 - 11 CD/CD-CH (CD changer) button
 - 12 FM/AM DAB button
 - 13 Reset button
 - 14 EQ (equalizer) button
 - 15 MO (monaural) button
 - 16 SSM (Strong-station Sequential Memory) button
 - 17 INT (intro) button
 - 18 RPT (repeat) button
 - 19 RND (random) button
 - 20 Number buttons
 - 21 $\lll \vee / \wedge \ggg$ buttons
 - 22 \blacktriangle (control panel release) button
 - 23 \blacktriangledown (down) button -10 button
- Display window**
- 24 Disc information indicators— 🎵 (track/file), TAG (ID3 Tag), 📁 (folder)
 - 25 MP3 indicator
 - 26 CH (CD changer) indicator
 - 27 CD indicator
 - 28 LINE indicator
 - 29 WMA indicator
 - 30 Main display
 - 31 RDS indicators—TP, PTY, AF, REG
 - 32 Equalizer pattern indicator
 - 33 EQ (equalizer) indicator
 - 34 FM band indicators—FM1, FM2, FM3
 - 35 AM band indicator
 - 36 Tuner reception indicators—ST (stereo), MO (monaural)
 - 37 Play mode indicators— 📁 (folder), 🎵 (disc), RND (random), INT (intro), RPT (repeat)
 - 38 TRACK indicator
 - 39 Source/clock display
 - 40 LOUD (loudness) indicator
 - 41 Audio level indicator
- Volume level indicator



Remote controller



- 1 • Turns on the unit if pressed when the unit is turned off.
 - Turns off the unit if pressed and held until “SEE YOU” appears on the display.
 - Drops the volume level in a moment if pressed briefly.
Press again to resume the volume.
- 2 • Selects the band while listening to the radio (or the DAB tuner).
Each time you press the button, the band changes.
 - Skips to the first file of the next folder while listening to an MP3 or a WMA disc.
Each time you press the button, you can move to the next folder and start playing the first file.
 - While playing an MP3 disc on an MP3-compatible CD changer;
 - Skips to the next disc if pressed briefly.
 - Skips to the next folder if pressed and held.

Note: While playing a CD on a CD changer, this always skips to the next disc.

- 3 • Selects the preset stations (or services) while listening to the radio (or the DAB tuner).
Each time you press the button, the preset station (or service) number increases, and the selected station (or service) is tuned in.
 - Skips to the first file of the previous folder while listening to an MP3 or a WMA disc.
Each time you press the button, you can move to the previous folder and start playing the first file.
 - While playing an MP3 disc on an MP3-compatible CD changer;
 - Skips to the previous disc if pressed briefly.
 - Skips to the previous folder if pressed and held.

Note: While playing a CD on a CD changer, this always skips to the previous disc.

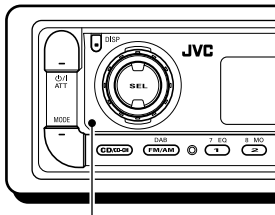
- 4 Functions the same as the control dial on the main unit.

Note: These buttons do not function for the preferred setting mode (PSM) adjustment.
- 5 Selects the sound mode (iEQ: intelligent equalizer).
Each time you press the button, the sound mode (iEQ) changes.
- 6 Selects the source.
Each time you press the button, the source changes.
- 7 • Searches for stations while listening to the radio.
 - Selects services while listening to the DAB tuner if pressed briefly.
 - Searches for ensembles while listening to the DAB tuner if pressed and held.
 - Fast-forwards or reverses the track/file if pressed and held while listening to a disc.
 - Skips to the beginning of the next track/file or goes back to the beginning of the current (or previous) tracks/files if pressed briefly while listening to a disc.

Preparing the remote controller

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.



Remote sensor

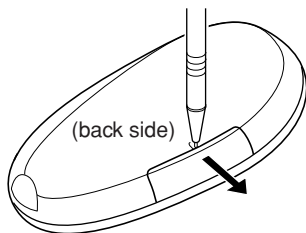
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

Installing the battery

When the controllable range or effectiveness of the remote controller decreases, replace the battery.

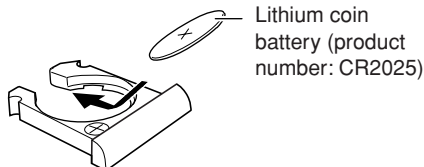
1. Remove the battery holder.

- 1) Push out the battery holder in the direction indicated by the arrow using a ball-point pen or a similar tool.
- 2) Remove the battery holder.



2. Place the battery.

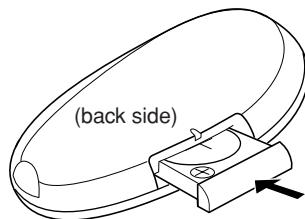
Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.



Lithium coin battery (product number: CR2025)

3. Return the battery holder.

Insert again the battery holder by pushing it until you hear a clicking sound.

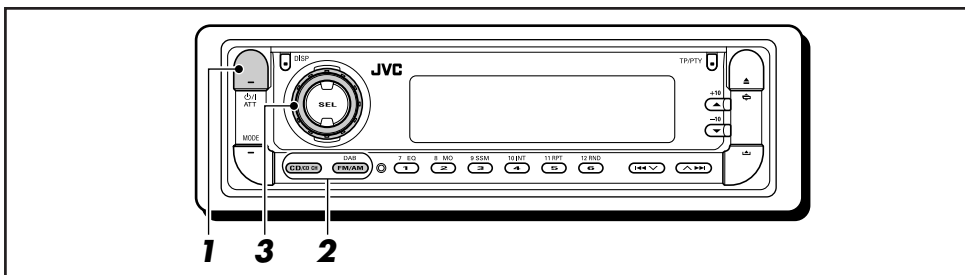


WARNING:

- Store the battery in a place where children cannot reach.
If a child accidentally swallows the battery, consult a doctor immediately.
- Do not recharge, short, disassemble, or heat the battery or dispose of it in a fire.
Doing any of these things may cause the battery to give off heat, crack, or start a fire.
- Do not leave the battery with other metallic materials.
Doing this may cause the battery to give off heat, crack, or start a fire.
- When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may start to give off heat, crack, or start a fire.
- Do not poke the battery with tweezers or similar tools.
Doing this may cause the battery to give off heat, crack, or start a fire.

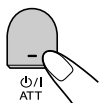
CAUTION:

DO NOT leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time. Otherwise, it may be damaged.



Turning on the power

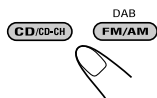
1 Turn on the power.



Note on One-Touch Operation:

When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

2 Select the source.



To operate the tuner (FM or AM), see pages 10 – 20.

To play a CD, see pages 21 – 24.

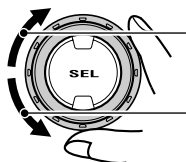
To play an MP3/WMA disc, see pages 26 – 30.

To operate the CD changer, see pages 42 – 46.

To operate the external component (LINE IN), see page 47.

To operate the DAB tuner, see pages 48 – 51.

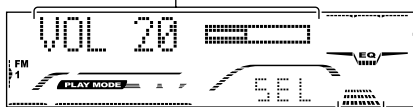
3 Adjust the volume.



To increase the volume

To decrease the volume

Volume level appears.



Volume level indicator

4 Adjust the sound as you want. (See pages 31 – 33.)

To drop the volume in a moment

Press ϕ/I ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.

To resume the previous volume level, press the button briefly again.

- If you turn the control dial, you can also restore the sound.

To turn off the power

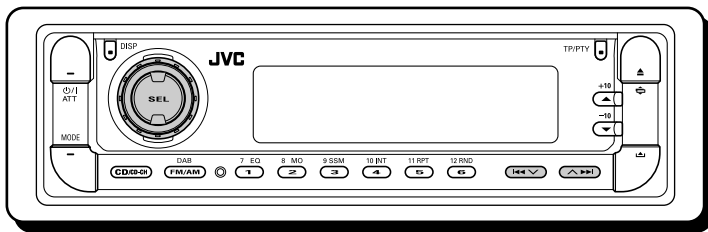
Press and hold ϕ/I ATT for more than one second.

"SEE YOU" appears, then the unit turns off.

- **If you turn off the power while listening to a disc**, disc play will start from where playback has been stopped previously, next time you turn on the power.

CAUTION on Volume Setting:

Discs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a disc and adjust it as required during playback.



Canceling the display demonstration

When shipped from the factory, display demonstration has been activated, and starts automatically when no operations are done for about 20 seconds.

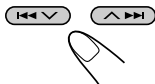
- It is recommended to cancel the display demonstration before you use the unit for the first time.

To cancel the display demonstration, follow the procedure below:

- Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 34 and 35.)



- Select "DEMO MODE" if not shown on the display.



- Select "DEMO OFF."



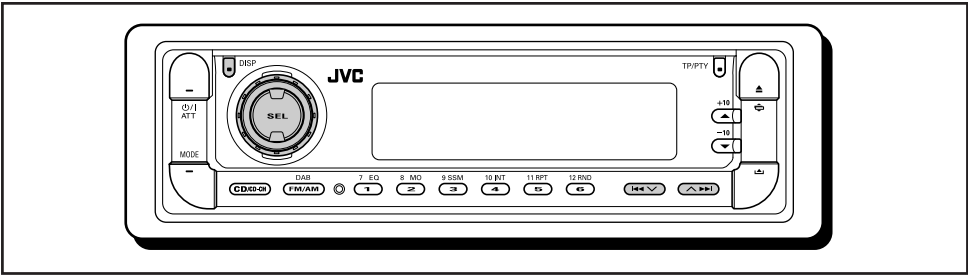
DEMO OFF ↔ DEMO ON



- Finish the setting.



To activate the display demonstration, repeat the same procedure and select "DEMO ON" in step 3.



Setting the clock

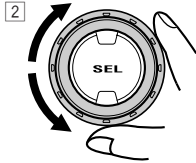
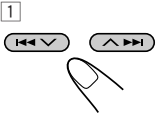
You can also set the clock system to either 24 hours or 12 hours.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 34 and 35.)



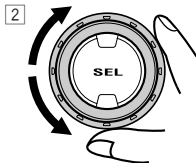
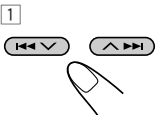
2 Set the hour.

- 1 Select "CLOCK HOUR" if not shown on the display.
- 2 Adjust the hour.



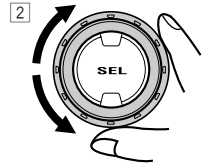
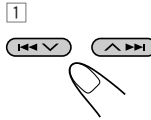
3 Set the minute.

- 1 Select "CLOCK MINUTE."
- 2 Adjust the minute.



4 Set the clock system.

- 1 Select "CLOCK24H/12H."
- 2 Select "CLOCK 24HOUR" or "CLOCK 12HOUR."



5 Finish the setting.



Note:

To show the clock time on the display, see page 36.

To check other information during play, press DISP (display).

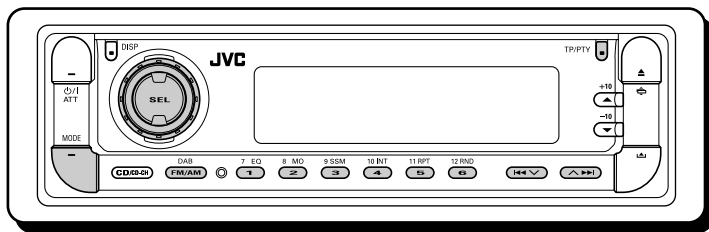


Each time you press the button, the other information will be shown on the lower part of the display. (See page 36 for details.)

- Pressing DISP (display) with the unit turned off will show the clock time for about 5 seconds.



RADIO OPERATIONS

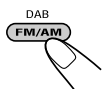


Listening to the radio

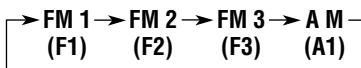
You can use either automatic searching or manual searching to tune in to a particular station.

Searching for a station automatically: Auto search

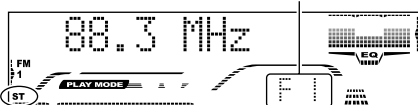
1 Select the band (FM1 – 3, AM).



Each time you press the button, the band changes as follows:



Selected band appears*.



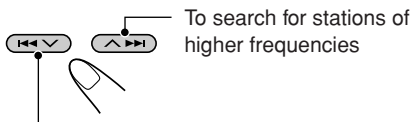
Lights up when receiving an FM stereo broadcast with sufficient signal strength.

* When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.

Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Start searching for a station.



To search for stations of lower frequencies

When a station is received, searching stops.

To stop searching before a station is received, press the same button you have pressed for searching.

Note:

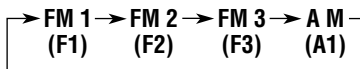
FM1 and FM2: 87.5 MHz – 108.0 MHz
FM3: 65.00 MHz – 74.00 MHz

Searching for a station manually: Manual search

1 Select the band (FM1 – 3, AM).



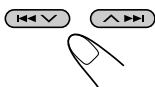
Each time you press the button, the band changes as follows:



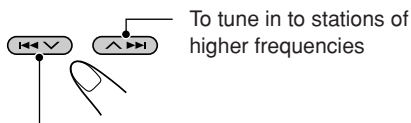
Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Press and hold **^ ▶▶▶** or **◀◀◀ v** until “M” (manual) starts flashing on the display.



3 Tune in to a station you want while “M” (manual) is still flashing.

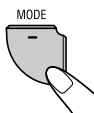


To tune in to stations of higher frequencies

To tune in to stations of lower frequencies

- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing—in 50 kHz intervals (87.5 MHz – 108.0 MHz for FM 1 and FM 2), in 30 kHz intervals (65.00 MHz – 74.00 MHz for FM 3) and 9 kHz for AM —MW/LW until you release the button.

When an FM stereo broadcast is hard to receive:



1 Press MODE to enter the functions mode while listening to an FM stereo broadcast.



2 Press MO (monaural), while “MODE” is still on the display, so that “MONO” appears on the display.

Each time you press the button, the monaural mode turns on and off alternately.



MO (monaural) indicator

When the MO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved.

Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

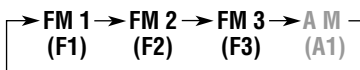
FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2, and FM3).

1 Select the FM band (FM1 – 3) you want to store FM stations into.

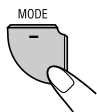


Each time you press the button, the band changes as follows:





2 Press MODE to enter the functions mode.



3 Press and hold SSM for about 2 seconds.



“SSM” appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2, or FM3). These stations are preset in the number buttons—No.1 (lowest frequency) to No.6 (highest frequency).

When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

Manual preset

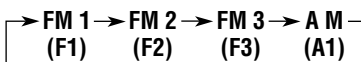
You can preset up to 6 stations in each band (FM1, FM2, FM3, and AM) manually.

Ex.: Storing FM station of 92.5 MHz into the preset number 1 of the FM1 band.

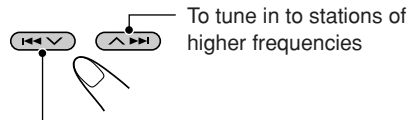
1 Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).



Each time you press the button, the band changes as follows:



2 Tune in to a station (in this example, of 92.5 MHz).



To tune in to stations of lower frequencies



3 Press and hold the number button (in this example, 1) for more than 2 seconds.



Preset number flashes for a while.



4 Repeat the above procedure to store other stations into other preset numbers.

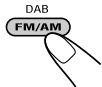
Notes:

- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

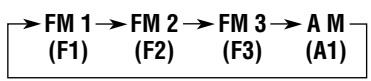
Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on pages 11 – 13.

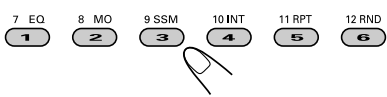
1 Select the band (FM1 – 3, AM).



Each time you press the button, the band changes as follows:



2 Select the number (1 – 6) for the preset station you want.





What you can do with RDS

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular programme signals. For example, the stations send their station names, as well as information about what type of programme they broadcast, such as sports or music, etc.

Another advantage of RDS function is called "Enhanced Other Networks." By using the Enhanced Other Networks data sent from a station, you can tune in to a different station of a different network broadcasting your favorite programme or traffic announcement while listening to another programme or to another source such as CD.

By receiving the RDS data, this unit can do the following:

- Tracing the same programme automatically (Network-Tracking Reception)
- Standby Reception of TA (Traffic Announcement) or your favorite programme
- PTY (Programme Type) search
- Programme search
- And some other functions

Tracing the same programme automatically (Network-Tracking Reception)

When driving in an area where FM reception is not good, the tuner built in this unit automatically tunes in to another RDS station, broadcasting the same programme with stronger signals. So, you can continue to listen to the same programme in its finest reception, no matter where you drive. (See the illustration on page 20.)

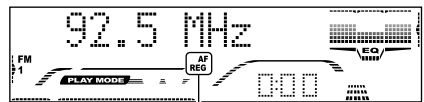
Two types of the RDS data are used to make Network-Tracking Reception work correctly —PI (Programme Identification) and AF (Alternative Frequency).

Without receiving these data correctly from the RDS station you are listening to, Network-Tracking Reception will not operate.

To use Network-Tracking Reception

You can select the different modes of network-tracking reception to continue listening to the same programme in its finest reception. When shipped from the factory, "AF ON" is selected.

- **AF ON:** Network-Tracking Reception is activated with Regionalization set to "off." With this setting, the unit switches to another station within the same network when the received signals from the current station become weak. (In this mode, the programme may differ from the one currently received.) The AF indicator lights up but the REG indicator does not.
- **AF REG:** Network-Tracking Reception is activated with Regionalization set to "on." With this setting, the unit switches to another station, within the same network, broadcasting the same programme when the received signals from the current station become weak. Both the AF indicator and the REG indicator light up.
- **AF OFF:** Network-Tracking Reception is deactivated. Neither the AF indicator nor the REG indicator lights up.



AF and REG indicators

Note:

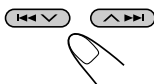
If a DAB tuner is connected and Alternative Reception (for DAB services) is activated, Network-Tracking Reception is also activated ("AF ON") automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Reception. (See page 51.)



- 1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 34 and 35.)



- 2** Select “AF-REG” (alternative frequency/regionalization reception) if not shown on the display.



- 3** Select the desired mode—“AF ON,” “AF REG,” or “AF OFF.”



- 4** Finish the setting.

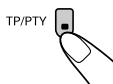


Using TA Standby Reception

TA Standby Reception allows the unit to switch temporarily to Traffic Announcement (TA) from the current source (another FM station, CD, or other connected components).

- *TA Standby Reception will not work if you are listening to an AM station.*

Press TP/PTY to activate TA Standby Reception.



- **When the current source is FM**, the TP indicator either lights up or flashes.

- If the TP indicator lights up, TA Standby Reception is activated.

If a station starts broadcasting a traffic announcement, “TRAFFIC” appears on the display, and this unit automatically tunes in to the station. The volume changes to the preset TA volume level (see page 19) and the traffic announcement can be heard.

- If the TP indicator flashes, TA Standby Reception is not yet activated since the station being received does not provide the signals used for TA Standby Reception.

To activate TA Standby Reception, you need to tune in to another station providing these signals. Press \blacktriangle \blacktriangleright or \blacktriangleleft \blacktriangledown to search for such a station.

When a station providing these signals is tuned in, the TP indicator stops flashing and remains lit. Now TA Standby Reception is activated.

- **When the current source is other than FM**, the TP indicator lights up.

If a station starts broadcasting a traffic announcement, “TRAFFIC” appears on the display, and this unit automatically changes the source and tunes in to the station.

To deactivate the TA Standby Reception, press TP/PTY again. The TP indicator disappears.



Using PTY Standby Reception

PTY Standby Reception allows the unit to switch temporarily to your favorite programme (PTY: Programme Type) from the current source (another FM station, CD, or other connected components).

- *PTY Standby Reception will not work if you are listening to an AM station.*

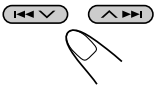
You can select your favorite programme type for PTY Standby Reception.

When shipped from the factory, PTY Standby Reception is turned off. ("OFF" is selected for PTY Standby Reception.)

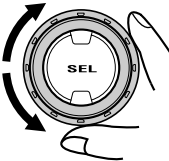
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 34 and 35.)**



- 2 Select "PTY STANDBY" if not shown on the display.**



- 3 Select one of the twenty-nine PTY codes. (See page 20.)**



Selected code name appears on the display and is stored into memory.

- 4 Finish the setting.**



- **When the current source is FM,** the PTY indicator either lights up or flashes.
 - **If the PTY indicator lights up,** PTY Standby Reception is activated. If a station starts broadcasting the selected PTY programme, this unit automatically tunes in to the station.
 - **If the PTY indicator flashes,** PTY Standby Reception is not yet activated since the station being received does not provide the signals used for PTY Standby Reception. To activate PTY Standby Reception, you need to tune in to another station providing these signals. Press **▲▶▶** or **◀◀▼** to search for such a station. When a station providing these signals is tuned in, the PTY indicator stops flashing and remains lit. Now PTY Standby Reception is activated.
- **When the current source is other than FM,** the PTY indicator lights up. If a station starts broadcasting the selected PTY programme, this unit automatically changes the source and tunes in to the station.

To deactivate the PTY Standby Reception, select "OFF" in step **3** on the left column. The PTY indicator disappears.



Searching your favorite programme

You can search any one of the PTY codes. In addition, you can store your 6 favorite programme types in the number buttons. When shipped from the factory, the following 6 programme types have been stored in the number buttons (1 to 6).

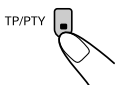
To store your favorite programme types, see below.

To search for your favorite programme type, see page 18.

1	2	3
POP M	ROCK M	EASY M
4	5	6
CLASSICS	AFFAIRS	VARIED

To store your favorite programme types

- 1 Press and hold TP/PTY for more than 2 seconds while listening to an FM station.



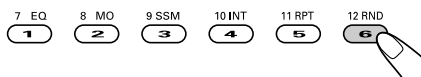
The last selected PTY code appears.

- 2 Select one of the twenty-nine PTY codes. (See page 20.)



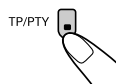
Selected code name appears on the display.

- 3 Press and hold the number button for more than 2 seconds to store the PTY code selected into the preset number you want.



Ex.: When you select "FOLK M"

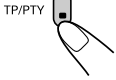
- 4 Press and hold TP/PTY for more than 2 seconds to exit from this mode.





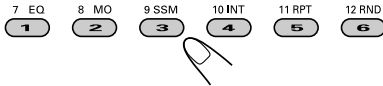
To search for your favorite programme type

- 1 Press and hold TP/PTY for more than 2 seconds while listening to an FM station.



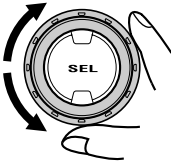
The last selected PTY code appears.

2 To select one of your favorite programme type



or

To select any one of the twenty-nine PTY codes

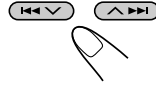


Preset number appears only if you select a PTY code using the number buttons.



Ex.: When "ROCK M" is selected

- 3 Press $\blacktriangleleft \blacktriangleright$ or $\blacktriangleleft \blacktriangleright$ to start PTY search for your favorite programme.



- If there is a station broadcasting a programme of the same PTY code as you selected, that station is tuned in.
- If there is no station broadcasting a programme of the same PTY code as you selected, the station will not change.

Note:

In some areas, the PTY search will not work correctly.



Other convenient RDS functions and adjustments

Automatic selection of the station when using the number buttons

Usually when you press the number button, the preset station is tuned in.

However, when the preset station is an RDS station, something different will happen. If the signals from that preset station are not sufficient for good reception, this unit, using the AF data, tunes in to another frequency broadcasting the same programme as the original preset station is broadcasting. (Programme search)

- The unit takes some time to tune in to another station using programme search.

To activate programme search, follow the procedure below.

- See also “Changing the general settings (PSM)” on pages 34 and 35.

- 1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2** Press **▲ ►►** or **◄◄ ▼** to select “P(Programme)-SEARCH.”
- 3** Turn the control dial clockwise to select “SEARCH ON.”
Now programme search is activated.
- 4** Press SEL (select) to finish the setting.

To cancel programme search, repeat the same procedure and select “SEARCH OFF” in step **3** by turning the control dial counterclockwise.

Setting the TA volume level

You can preset the volume level for TA Standby Reception. When a traffic programme is received, the volume level automatically changes to the preset level.

- See also “Changing the general settings (PSM)” on pages 34 and 35.

- 1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2** Press **▲ ►►** or **◄◄ ▼** to select “TA VOLUME”.
- 3** Turn the control dial to set to the desired volume.
You can set it from “VOL 00” to “VOL 30” or “VOL 50” (depending on the amplifier gain control setting: see page 38).
- 4** Press SEL (select) to finish the setting.

Automatic clock adjustment

When shipped from the factory, the clock built in this unit is set to be readjusted automatically using the CT (Clock Time) data in the RDS signal.

If you do not want to use automatic clock adjustment, follow the procedure below.

- See also “Changing the general settings (PSM)” on pages 34 and 35.

- 1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2** Press **▲ ►►** or **◄◄ ▼** to select “AUTO ADJUST”.
- 3** Turn the control dial counterclockwise to select “ADJUST OFF.”
Now automatic clock adjustment is canceled.
- 4** Press SEL (select) to finish the setting.

To reactivate clock adjustment, repeat the same procedure and select “ADJUST ON” in step **3** by turning the control dial clockwise.

Note:

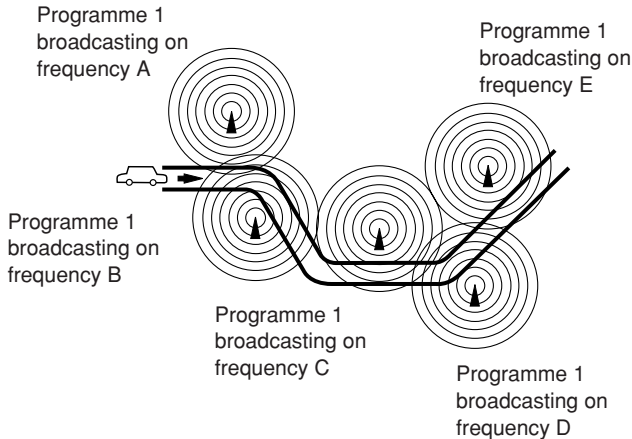
You must stay tuned to the same station for more than 2 minutes after setting “AUTO ADJUST” to “ADJUST ON.” Otherwise, the clock time will not be adjusted. (This is because the unit takes up to 2 minutes to capture the CT data in the RDS signal.)

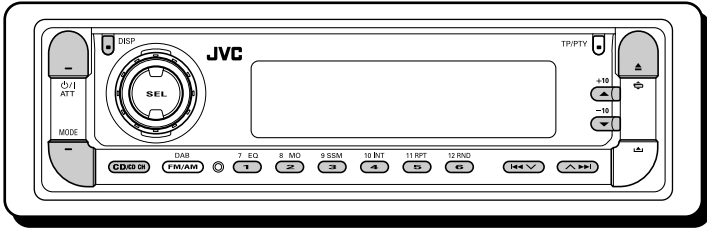


PTY codes

NEWS:	News	SOCIAL:	Programmes on social activities
AFFAIRS:	Topical programmes expanding on current news or affairs	RELIGION:	Programmes dealing with any aspect of belief or faith, or the nature of existence or ethics
INFO:	Programmes which impart advice on a wide variety of topics	PHONE IN:	Programmes where people can express their views either by phone or in a public forum
SPORT:	Sport events	TRAVEL:	Programmes about travel destinations, package tours, and travel ideas and opportunities
EDUCATE:	Educational programmes	LEISURE:	Programmes concerned with recreational activities such as gardening, cooking, fishing, etc.
DRAMA:	Radio plays	JAZZ:	Jazz music
CULTURE:	Programmes on national or regional culture	COUNTRY:	Country music
SCIENCE:	Programmes on natural science and technology	NATION M:	Current popular music from another nation or region, in that country's language
VARIED:	Other programmes like comedies or ceremonies	OLDIES:	Classic pop music
POP M:	Pop music	FOLK M:	Folk music
ROCK M:	Rock music	DOCUMENT:	Programmes dealing with factual matters, presented in an investigative style
EASY M:	Easy-listening music		
LIGHT M:	Light music		
CLASSICS:	Classical music		
OTHER M:	Other music		
WEATHER:	Weather information		
FINANCE:	Reports on commerce, trading, the Stock Market, etc.		
CHILDREN:	Entertainment programmes for children		

The same programme can be received on different frequencies.

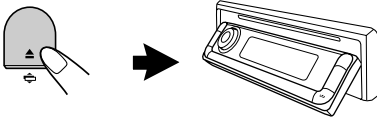




Refer to "MP3/WMA OPERATIONS" on pages 26 to 30 for operating MP3/WMA discs.

Playing a CD

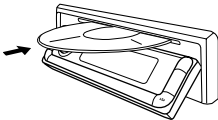
1 Open the control panel.



Note on One-Touch Operation:

When a CD is already in the loading slot, pressing CD/CD-CH turns on the unit and starts playback automatically.

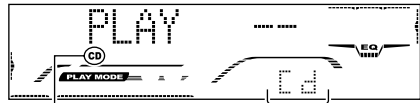
2 Insert a CD into the loading slot.



The unit draws the CD, the control panel goes back to the previous position (see page 40), and playback starts automatically.

All tracks will be played repeatedly until you stop playback.

The display changes to show the following:

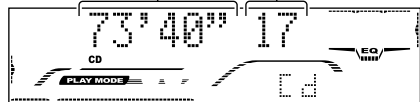


CD indicator

Current source indication*

Total playing time of the inserted disc

Total track number of the inserted disc



Elapsed playing time

Current track number



* When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.

Notes:

- When a CD is inserted upside down, the control panel moves down, the CD automatically ejects from the loading slot. The source changes to the previously selected source.
- If there is no CD in the loading slot, you cannot select CD as the source.
- If the current disc is a CD Text, disc title/performer and then track title will automatically appear.



To stop play and eject the CD

Press ▲.

CD play stops and the control panel moves down. The CD automatically ejects from the loading slot.

- If you change the source or turn the power off, CD play also stops (without ejecting the CD). Next time you select “CD” as the source, CD play starts from where playback has been stopped previously.

To return the control panel to its previous position, press ▲ again.

- If you keep the loading slot fully open for 1 minute, (beeps sound when the “BEEP SWITCH” is set to “BEEP ON”—see page 37) the control panel automatically returns to its previous position.

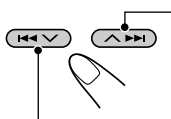
Be careful not to get the disc or your finger caught in between the control panel and the unit.

Notes:

- If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (Disc play will not start this time.)
- You can eject the disc even when the unit is turned off.

Locating a track or a particular portion on a CD

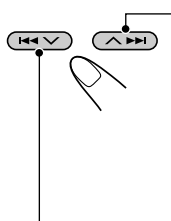
To fast-forward or reverse the track



Press and hold ▲▶▶, while playing a CD, to fast-forward the track.

Press and hold ◀◀▼, while playing a CD, to reverse the track.

To go to the next or previous tracks



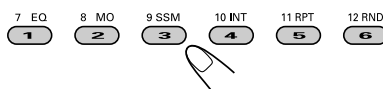
Press ▲▶▶ briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press ◀◀▼ briefly, while playing a CD, to go back to the beginning of the current track.

Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly

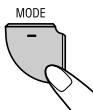
Press the number button corresponding to the track number to start its playback.



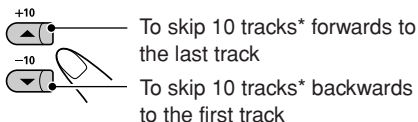
- To select a track number from 1 – 6: Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12: Press and hold 1 (7) – 6 (12) for more than one second.

To go to a track quickly (+10 and –10 buttons)

- 1 Press MODE to enter the functions mode while playing a CD.



- 2 Press +10 or –10.



- * First time you press +10 or –10 button, the track skips to the nearest higher or lower track with a track number of multiple ten (ex. 10th, 20th, 30th).

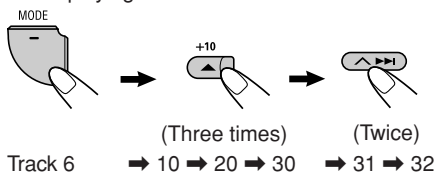
Then each time you press the button, you can skip 10 tracks (see “How to use the +10 and –10 buttons” on page 23).

- After the last track, the first track will be selected, and vice versa.

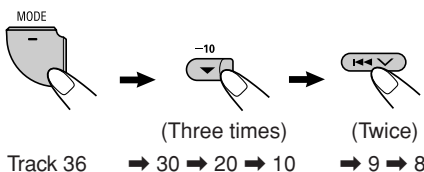


How to use the +10 and -10 buttons

- Ex. 1: To select track number 32 while playing track number 6



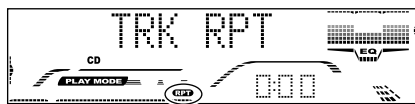
- Ex. 2: To select track number 8 while playing track number 36



To play back tracks repeatedly (Track Repeat Play)

You can play back the current track repeatedly.

- 1 Press MODE to enter the functions mode while playing a CD.
- 2 Press RPT (repeat), while "MODE" is still on the display, so that "TRK RPT" appears on the display. Each time you press the button, track repeat play mode turns on and off alternately.



RPT indicator

When track repeat play is turned on, the RPT indicator lights up on the display. The current track starts playing repeatedly.

To play back only intros (Track Intro Scan)

You can play back the first 15 seconds of each track sequentially.

- 1 Press MODE to enter the functions mode while playing a CD.
- 2 Press INT (intro), while "MODE" is still on the display, so that "TRK INT" appears on the display. Each time you press the button, track intro scan mode turns on and off alternately.



INT indicator

When track intro scan is turned on, the INT indicator lights up on the display. The first 15 seconds of each track is played sequentially.

Selecting CD playback modes

To play back tracks at random (Disc Random Play)

You can play back all tracks on the CD at random.

- 1 Press MODE to enter the functions mode while playing a CD.
- 2 Press RND (random), while "MODE" is still on the display, so that "DISC RND" appears on the display. Each time you press the button, disc random play mode turns on and off alternately.



(disc) and RND indicators

When disc random play is turned on, the (disc) and RND indicators light up on the display. A track randomly selected starts playing.



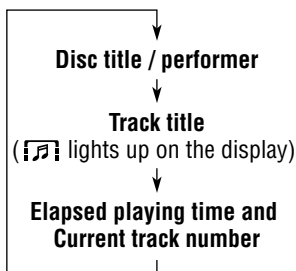
Playing a CD Text

In a CD Text, some information about the disc (its disc title, performer, and track title) is recorded. This CD Text information will be shown automatically when you play a CD Text.

To change the CD Text information manually, select text display mode while playing a CD Text.



Press DISP (display) repeatedly. Each time you press the button, the display changes as follows:



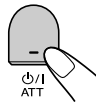
Notes:

- The display shows up to 12 characters at one time and scrolls if there are more than 12 characters. See also “To select the scroll mode—SCROLL MODE” on page 37. Some characters or symbols will not be shown (will be blanked or substituted) on the display.
- If no name is assigned to the CD, “NO NAME” will appear. To assign a name to an audio CD, see page 39.
- If no disc title/performer or no track title is recorded for the CD Text, “NO NAME” will appear.
- When track title is shown, TRACK indicator and current track number also appear on the lower part of the display.

Prohibiting disc ejection

You can prohibit disc ejection and can lock a disc in the loading slot.

While pressing CD/CD-CH, press and hold \odot /I ATT for more than 2 seconds.



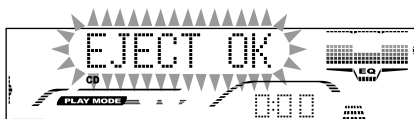
“NO EJECT” flashes on the display for about 5 seconds, and the disc is locked and cannot be ejected.



To cancel the prohibition and unlock the disc

While pressing CD/CD-CH, press and hold \odot /I ATT again for more than 2 seconds.

“EJECT OK” flashes on the display for about 5 seconds, and the disc is unlocked.



What are MP3/WMA?

MP3 is an abbreviation of Motion Picture Experts Group (or MPEG) Audio Layer 3. MP3 is simply a file format with a data compression ratio of 1:10 (128 Kbps*).

WMA (Windows Media® Audio) is the digital audio compression format developed by Microsoft Corporation.

* *Bit rate is the average number of bits that one second of audio data will consume. The unit used is Kbps. To get a better audio quality, choose a higher bit rate. The most popular bit rate for encoding is 128 Kbps.*

- For details information about the MP3/WMA discs, refer to “A Guide to MP3/WMA” (separate volume).

Compatible with ID3 Tag

Extra information data such as album title, performer name, song title, recording year, music genre and a brief comment can be stored within an MP3/WMA file.

This unit can show both ID3v1 (Version 1) and ID3v2 (Version 2) tags on the display. (See page 27.)

- Some characters cannot be shown correctly.
- If both ID3v1 and ID3v2 are recorded on a disc, ID3v2 information will be shown.

How are MP3/WMA files recorded and played back?

MP3/WMA “files (tracks)” can be recorded in “folders”—in PC terminology.

During recording, the files and folders can be arranged in a way similar to arranging files and folders of computer data.

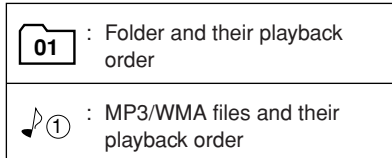
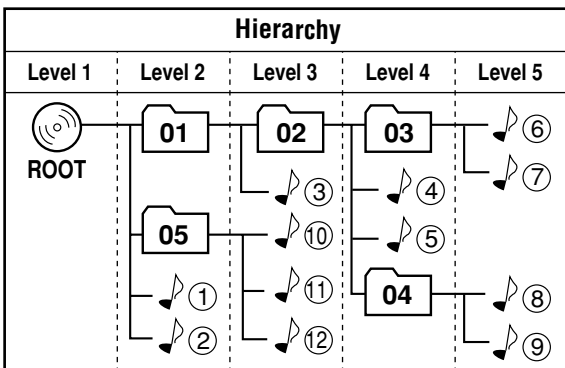
“Root” is similar to the root of a tree. Every file and folder can be linked to and be accessed from the root.

The illustration below shows an example of how MP3/WMA files are recorded on a CD-R or CD-RW, how they are played back, and how they are searched for on this unit.

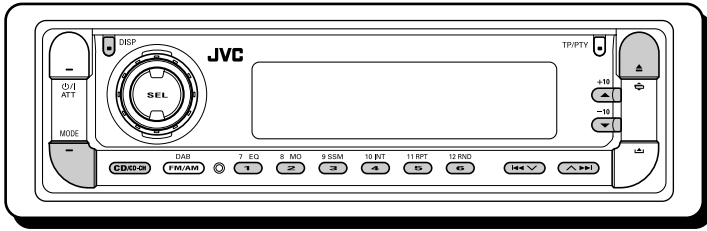
Notes:

- This unit cannot read or play an MP3 file without the extension code <.mp3> and a WMA track without the extension code <.wma>.
- This unit is not compatible with MP3 files encoded with Layer 1 and Layer 2 formats.
- This unit is not compatible with WMA files which are not based upon Windows Media® Audio.
- This unit is not compatible with Playlist**.

** A playlist is a simple text file, used on a PC, which enables users to make their own playback order without physically rearranging the files.



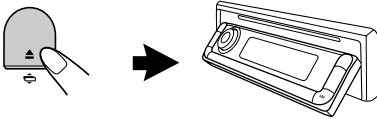
- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.



Refer also to "CD OPERATIONS" on pages 21 to 24.

Playing a disc

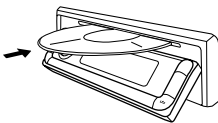
1 Open the control panel.



Note on One-Touch Operation:

When a disc is already in the loading slot, pressing CD/CD-CH turns on the unit and starts playback automatically.

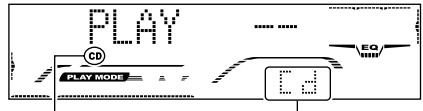
2 Insert a disc into the loading slot.



The unit draws the disc, the control panel goes back to the previous position (see page 40), and playback starts automatically.

All files will be played repeatedly until you stop playback.

The display changes to show the following:



CD indicator

Current source indication*1



Total folder number

Total file number



MP3 or WMA indicator*2

Ex.: When the disc contains 19 folders and 144 MP3/WMA files

*1 When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.
*2 WMA or MP3 indicator lights up depending on the first detected file.

Notes:

- MP3/WMA discs require a longer readout time. (It differs due to the complexity of the folder/file configuration.)
- When playback starts, folder and file names (or ID3 tags) will automatically appear. (See also page 27.)
- If you change the source or turn the power off, disc playback stops (without ejecting the disc). Next time you select the CD player as the source or turn the power on, disc play starts from where playback has been stopped previously.

To stop play and eject the disc

Press ▲.

Playback stops and the control panel moves down. The disc automatically ejects from the loading slot.

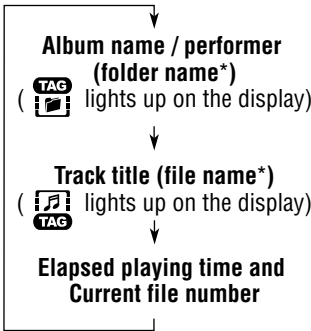
To change the display information

While playing back an MP3/WMA file, you can change the disc information shown on the display.



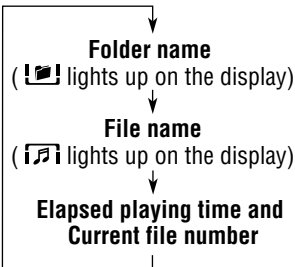
Press DISP (display) repeatedly. Each time you press the button, the display changes to show the following:

- When “TAG DISPLAY” is set to “TAG DISP ON” (initial setting: see page 38)



* If ID3 tags are not recorded, folder name and file name appear. In this case, the TAG indicator will not light up on the display.

- When “TAG DISPLAY” is set to “TAG DISP OFF”

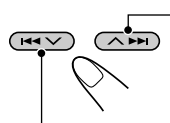


Notes:

- The display shows up to 12 characters at a time and scrolls if there are more than 12 characters. See also “To select the scroll mode—SCROLL MODE” on page 37.
- When file name is shown, TRACK indicator and current file number also appear on the lower part of the display.

Locating a file or a particular portion on a disc

To fast-forward or reverse the file



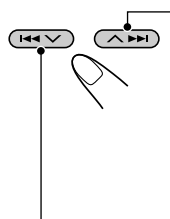
Press and hold ▲▶▶ while playing a disc, to fast-forward the file.

Press and hold ◀◀▼ while playing a disc, to reverse the file.

Note:

During this operation, you can only hear intermittent sounds. (The elapsed playing time also changes intermittently on the display.)

To skip to the next or previous files

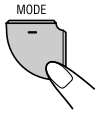


Press ▲▶▶ briefly while playing, to skip ahead to the beginning of the next file. Each time you press the button consecutively, the beginning of the next files is located and played back.

Press ◀◀▼ briefly while playing, to skip back to the beginning of the current file. Each time you press the button consecutively, the beginning of the previous files is located and played back.

To go to a particular file quickly within the current folder (+10 and -10 buttons)

- 1 Press MODE to enter the functions mode while playing a disc.



- 2 Press +10 or -10.



To skip 10 files* forwards to the last file



To skip 10 files* backwards to the first file

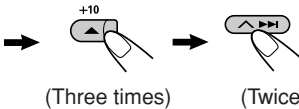
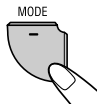
* First time you press +10 or -10 button, the file skips to the nearest higher or lower file with a file number of multiple ten (ex. 10th, 20th, 30th).

Then each time you press the button, you can skip 10 files (see "How to use the +10 and -10 buttons" below).

- After the last file, the first file will be selected, and vice versa.

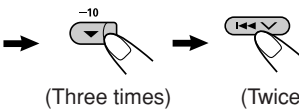
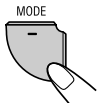
How to use the +10 and -10 buttons

- Ex. 1: To select file number 32 while playing file number 6



File 6 → 10 → 20 → 30 → 31 → 32

- Ex. 2: To select file number 8 while playing file number 36



File 36 → 30 → 20 → 10 → 9 → 8

To go to a particular folder directly

IMPORTANT:

To directly select the folders using the number button(s), it is required that folders are assigned 2 digit numbers at the beginning of their folder names. (This can only be done during the recording of CD-Rs or CD-RWs.)

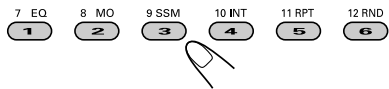
Ex.: If folder name is "01 ABC"

- Press 1 to go to Folder 01 ABC.
If folder name is "1 ABC," pressing 1 does not work.

If folder name is "12 ABC"

- Press and hold 6 (12) to go to Folder 12 ABC.

Press the number button corresponding to the folder number to start playing the first file in the selected folder.



- To select a folder number from 01 – 06: Press 1 (7) – 6 (12) briefly.
- To select a folder number from 07 – 12: Press and hold 1 (7) – 6 (12) for more than one second.

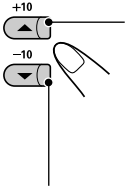
Notes:

- If indicator flashes on the display after you have selected a folder, it means that the folder does not contain any MP3/WMA files.
- You cannot directly select a folder with a number greater than 12.

To select a particular file in a folder, press

▲ ►► | ◀◀ ▼ after selecting the folder.

To skip to the next or previous folder



Press ▲ (up) while playing a disc to skip to the next folder.

Each time you press the button consecutively, the next folder is located (and the first file in the folder starts playing, if recorded).

Press ▼ (down) while playing a disc to skip back to the previous folder.

Each time you press the button consecutively, the previous folder is located (and the first file in the folder starts playing, if recorded).

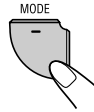
Note:

If the folder does not contain any MP3/WMA files, it is skipped.

Selecting the playback modes

To play back files at random (Folder Random/Disc Random Play)

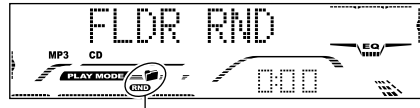
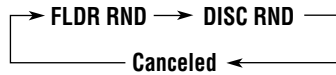
You can play back all files of the current folder or all files on the disc at random.



1 Press MODE to enter the functions mode while playing a disc.





2 Press RND (random), while "MODE" is still on the display, so that "FLDR RND" or "DISC RND" appears on the display. Each time you press the button, the random play mode changes as follows:



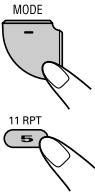
 (folder) and RND indicators

Ex.: When you select "FLDR RND" while listening to an MP3 file

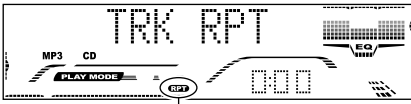
Mode	Active indicator	Plays at random
FLDR RND	 and RND indicators light up.	All files of the current folder, then files of the next folder and so on.
DISC RND	 and RND indicators light up.	All files on the disc.

To play back files repeatedly (Track Repeat/Folder Repeat Play)

You can play back the current file or all the files in the current folder repeatedly.



- 1 Press MODE to enter the functions mode while playing a disc.
- 2 Press RPT (repeat), while "MODE" is still on the display, so that "TRK RPT" or "FLDR RPT" appears on the display. Each time you press the button, the repeat play mode changes as follows:

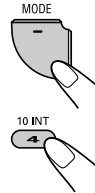


RPT indicator

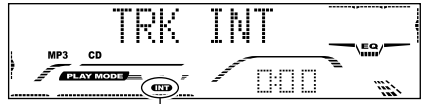
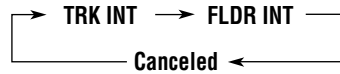
Ex.: When you select "TRK RPT" while listening to an MP3 file

To play back only intros (Track Intro Scan/Folder Intro Scan)

You can play back the first 15 seconds of each file sequentially.



- 1 Press MODE to enter the functions mode while playing a disc.
- 2 Press INT (intro), while "MODE" is still on the display, so that "TRK INT" or "FLDR INT" appears on the display. Each time you press the button, the intro scan mode changes as follows:



INT indicator

Ex.: When you select "TRK INT" while listening to an MP3 file

Mode	Active indicator	Plays repeatedly
TRK RPT	RPT indicator lights up.	The current (or specified) file.
FLDR RPT	Folder icon and RPT indicators light up.	All files of the current (or specified) folder.

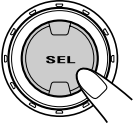
Mode	Active indicator	Plays the beginnings (15 seconds) of
TRK INT	INT indicator lights up.	All files on the current disc.
FLDR INT	Folder icon and INT indicators light up.	The first file of every folder of the current disc.



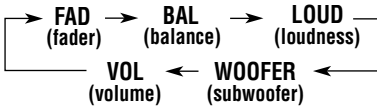
Adjusting the sound

You can adjust the sound characteristics to your preference.

1 Select the item you want to adjust.

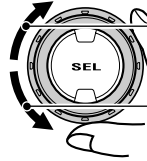


Each time you press the button, the adjustable items change as follows:



- *1 If you are using a two-speaker system, set the fader level to “00.”
- *2 This takes effect only when a subwoofer is connected.
- *3 Normally the control dial works as the volume control. So you do not have to select “VOL” to adjust the volume level.
- *4 Depending on the amplifier gain control setting. (See page 38 for details.)

2 Adjust the setting.



To increase the level or turn on the loudness

To decrease the level or turn off the loudness

Indication	To do:	Range
FAD* ¹	Adjust the front and rear speaker balance.	R06 (Rear only) F06 (Front only)
BAL	Adjust the left and right speaker balance.	L06 (Left only) R06 (Right only)
LOUD	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON LOUD OFF
WOOFER* ²	Adjust the subwoofer output level.	00 (min.) 08 (max.)
VOL* ³	Adjust the volume.	00 (min.) 30 or 50 (max.)* ⁴

Indication pattern changes as you adjust the fader or balance.



Ex. 1: When you adjust “FAD” (fader)

LOUD indicator



Ex. 2: When you turn on the loudness

3 Repeat steps 1 and 2 to adjust the other items.

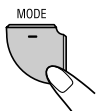


Selecting preset sound modes (iEQ: intelligent equalizer)

You can select a preset sound mode (iEQ: intelligent equalizer) suitable to the music genre.

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step **1** again.

1 Press MODE to enter the functions mode.



2 Press EQ (equalizer) while "MODE" is still on the display.



The last selected sound mode is called up.

3 Select the sound mode you want.



As you turn the control dial, the sound modes change as follows:

FLAT ⇄ HARD ROCK ⇄ R&B ⇄
 POP ⇄ JAZZ ⇄ DANCE MUSIC ⇄
 COUNTRY ⇄ REGGAE ⇄ CLASSIC ⇄
 USER 1 ⇄ USER 2 ⇄ USER 3 ⇄
 (back to the beginning)

Indication pattern changes for each sound mode.



Ex.: When you select "HARD ROCK"

To cancel the preset sound mode, select "FLAT" in step **3**.

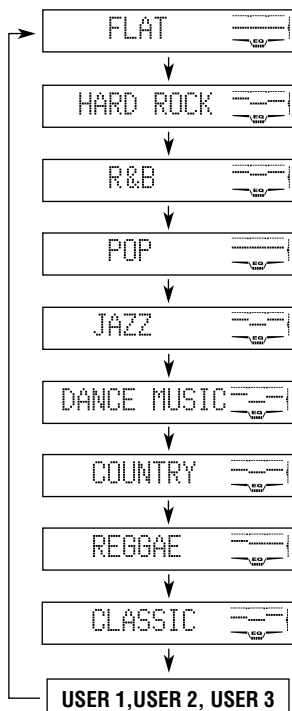
Notes:

- You can adjust the preset sound modes temporarily. However, your temporary adjustments will be reset when you select another sound mode.
- For details about the preset settings of each sound mode, see table on page 52.
- For showing the iEQ pattern on the display during play, select "EQ & LEVEL" or "SILENT" for the level meter. See also page 36.

When using the remote controller:



Press SOUND repeatedly. Each time you press the button, the sound modes change as follows:



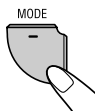


Storing your own sound adjustments

You can adjust the sound modes to your preference and store your own adjustments in memory (USER 1, USER 2 and USER 3).

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step 1 again.

1 Press MODE to enter the functions mode.



2 Press EQ (equalizer) while "MODE" is still on the display.



The last selected sound mode is called up.

3 Select the sound mode you want to adjust.



Ex.: When you select "JAZZ"

4 Select sound elements to adjust.



Each time you press the button, the sound elements change as follows:

LOW LEVEL* → LOW FREQ → LOW WIDTH
 → MID LEVEL* → MID WIDTH
 → HI (high) LEVEL* → HI (high) FREQ
 → (back to the beginning)

LEVEL (LOW, MID, HI):

Adjust the enhancement level.

- * By pressing ▲▶▶▶ or ◀◀◀▼, you can directly move as follows:



FREQ (LOW, HI):

Select the center frequency to adjust.

WIDTH (LOW, MID):

Select the band width level.

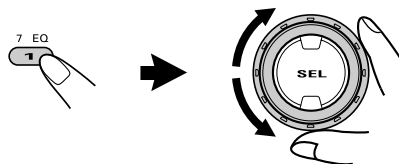
5 Adjust the selected sound element.



Indication	Preset values		
	LOW	MID	HI
LEVEL	-06 (min.)	-06 (min.)	-06 (min.)
	+06 (max.)	+06 (max.)	+06 (max.)
FREQ.	60Hz		8kHz
	80Hz		10kHz
	100Hz		12kHz
	120Hz		15kHz
WIDTH	1 (min.)	1 (min.)	
	4 (max.)	2 (max.)	

6 Repeat steps 4 and 5 to adjust the other sound elements.

7 Select one of the user sound modes (USER 1, USER 2, USER 3).



8 Press EQ to store the adjustments.



"MEMORY" appears for a while.



OTHER MAIN FUNCTIONS

Changing the general settings (PSM)

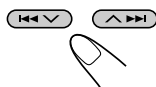
You can change the items listed in the table below and on page 35 by using the PSM (Preferred Setting Mode) control.

Basic Procedure

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See below and page 35.)



2 Select the PSM item you want to adjust.



3 Adjust the PSM item selected.



4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

5 Finish the setting.



Preferred Setting Mode (PSM) items

• For detailed operations of each PSM items, refer to the pages listed in the table.

Indications		Selectable values/items		Factory-preset settings	See page
DEMO MODE	Display demonstration	DEMO OFF	DEMO ON	DEMO ON	8
CLOCK HOUR	Hour adjustment	0 — 23 (1 — 12)		0 (0:00)	9
CLOCK MINUTE	Minute adjustment	00 — 59		00 (0:00)	
CLOCK24H/12H	24/12-hour time display	CLOCK 12HOUR	CLOCK 24HOUR	CLOCK 24HOUR	
AUTO ADJUST	Automatic clock setting	ADJUST OFF	ADJUST ON	ADJUST ON	19
CLOCK DISP	Clock display	CLK DISP OFF	CLK DISP ON	CLK DISP ON	36
AF-REG	Alternative frequency/Regionalization reception	AF ON ↔ AF REG ↕ AF OFF*1 ↕		AF ON	14, 15

*1 Displayed only when the "DAB AF" is set to "OFF"



Indications		Selectable values/items		Factory-preset settings	See page
PTY STANDBY	PTY standby	OFF → 29 programme types ↑ (see page 20)		OFF	16
TA VOLUME	Traffic announcement volume	VOL 00 — VOL 30 or 50*3		VOL 20	19
P-SEARCH	Programme search	SEARCH OFF	SEARCH ON	SEARCH OFF	19
DAB AF*2	Alternative frequency search	AF OFF	AF ON	AF ON	51
DAB VOL*2	DAB volume adjustment	VOL -12 — VOL +12		VOL 00	51
LEVELMETER	Level meter	LEVEL 1 ↔ LEVEL 2 ↓ ↔ ↓ SILENT ↔ EQ & LEVEL		LEVEL 1	36
DIMMER MODE	Dimmer mode	DIMMER AUTO ↔ DIMMER OFF ↵ DIMMER ON ↵		DIMMER AUTO	36
TELEPHONE	Telephone muting	MUTING OFF ↔ MUTING 1 ↵ MUTING 2 ↵		MUTING OFF	37
BEEP SWITCH	Key-touch tone	BEEP OFF	BEEP ON	BEEP ON	37
CONTRAST	Display contrast	01 – 10		05	37
SCROLL MODE	Scroll mode	SCROLL ONCE ↔ SCROLL AUTO ↵ SCROLL OFF ↵		SCROLL ONCE	37
WOOFER FREQ	Subwoofer cutoff frequency	FREQ MID ↔ FREQ HIGH ↵ FREQ LOW ↵		FREQ MID	37
EXTERNAL IN*4	External component	CHANGER	LINE IN	CHANGER	38
TAG DISPLAY	Tag display	TAG DISP OFF	TAG DISP ON	TAG DISP ON	38
AMP.GAIN	Amplifier gain control	LOW POWER	HIGH POWER	HIGH POWER	38
SLOT LIGHT	Slot light	OFF	ON	ON	38

*2 Displayed only when the DAB tuner is connected.

*3 Depending on the amplifier gain control setting.

*4 Displayed only when one of the following sources is selected—FM, AM, and CD.



To set the clock display—CLOCK DISP

You can set the clock to be shown on the lower part of the display when the unit is turned on. When shipped from the factory, the clock is set to be shown on the display.

- **CLK DISP ON:** Clock display is turned on.
- **CLK DISP OFF:** Clock display is turned off. When “CLK DISP OFF” is selected, the current source name, station band, folder number, or disc number appears instead of the clock display (except when “LINE IN” is selected as the source).

When “CLOCK DISP” is set to “CLK DISP OFF”:

Source	Initial indication	Pressing DISP (display)
Tuner	Band	Clock appears for about 5 seconds.
CD or CD-CH	CD, folder number, or disc number	

When “CLOCK DISP” is set to “CLK DISP ON”:

Source	Initial indication	Pressing DISP (display) repeatedly
Tuner	Clock	Band number appears for about 5 seconds.
CD	Clock	CD, or track/file/folder number appears for about 5 seconds.
CD-CH	Clock	Disc number, or track/file/folder number appears for about 5 seconds.

To select the level meter—LEVELMETER

You can select the level meter display according to your preference.

When shipped from the factory, this mode is set to “LEVEL 1.”

- **LEVEL 1/LEVEL 2:** Display the audio level meter with different illumination pattern.
- **EQ & LEVEL:** Display the equalizer pattern and audio level meter.
- **SILENT:** Display the equalizer pattern and volume level meter.

To select the dimmer mode —DIMMER MODE

When you turn on the car headlights, the display automatically dims (Auto Dimmer).

When shipped from the factory, Auto Dimmer mode is activated.

- **DIMMER AUTO:** Activates Auto Dimmer.
- **DIMMER OFF:** Cancels Auto Dimmer.
- **DIMMER ON:** Always dims the display.

Note:

Auto Dimmer equipped with this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.

In this case, set the dimmer mode to “DIMMER ON” or “DIMMER OFF.”



To select the telephone muting —TELEPHONE

This mode is used when a cellular phone system is connected. Depending on the phone system used, select either “MUTING 1” or “MUTING 2,” whichever mutes the sounds from this unit.

When shipped from the factory, this mode is deactivated.

- MUTING 1: Selects this if this setting can mute the sounds.
- MUTING 2: Selects this if this setting can mute the sounds.
- MUTING OFF: Cancels the telephone muting.

Note:

With the CD or CD changer selected as the source, playback pauses during telephone muting.

To turn the key-touch tone on or off —BEEP SWITCH

You can deactivate the key-touch tone if you do not want it to beep each time you press a button. When shipped from the factory, the key-touch tone is activated.

- BEEP ON: Activates the key-touch tone.
- BEEP OFF: Deactivates the key-touch tone.

To adjust the display contrast level —CONTRAST

Adjust the display contrast (01 – 10) to make the display indications clear and legible.

When shipped from the factory, the display contrast level is set at level 05.

To select the scroll mode—SCROLL MODE

You can select the scroll mode for the disc information (when the entire text cannot be shown at a time).

When shipped from the factory, scroll mode is set to “SCROLL ONCE.”

- SCROLL ONCE: Scrolls only once.
- SCROLL AUTO: Repeats the scroll (5-second intervals in between).
- SCROLL OFF: Cancels scroll mode.

Note:

Even if the scroll mode is set to “SCROLL OFF,” you can scroll the display by pressing DISP (display) for more than 1 second.

To select the subwoofer cutoff frequency —WOOFER FREQ

When a subwoofer is connected to this unit, select an appropriate cutoff frequency level for your subwoofer.

When shipped from the factory, the subwoofer cutoff frequency is set to “FREQ MID.”

- FREQ LOW: Frequencies higher than 50 Hz are cut off to the subwoofer.
- FREQ MID: Frequencies higher than 80 Hz are cut off to the subwoofer.
- FREQ HIGH: Frequencies higher than 120 Hz are cut off to the subwoofer.



To select the external component to use —EXTERNAL IN

You can connect the external component to the CD changer jack on the rear using the Line Input Adapter KS-U57 (not supplied).

To use the external component as the playback source through this unit, you need to select which component—CD changer or external component—to use.

When shipped from the factory, CD changer is selected as the external component.

- **CHANGER:** To use the CD changer.
- **LINE IN:** To use the external component other than CD changer.

Note:

For connecting the Line Input Adapter KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).

To turn the tag display on or off —TAG DISPLAY

An MP3/WMA file can contain file information called “ID3 Tag” where its album name, performer, track title, etc. are recorded.

There are two versions—ID3v1 (ID3 Tag version 1) and ID3v2 (ID3 Tag version 2). If both ID3v1 and ID3v2 are recorded on a disc, ID3v2 information will be shown.

When shipped from the factory, “TAG DISP ON” is selected.

- **TAG DISP ON:** Turns on the ID3 tag display while playing MP3/WMA files.
 - If an MP3/WMA file does not have ID3 tags, folder name and file name appear.

Note:

If you change the setting from “TAG DISP OFF” to “TAG DISP ON” while playing an MP3/WMA file, the tag display will be activated when the next file starts playing.

- **TAG DISP OFF:** Turns off the ID3 tag display while playing MP3/WMA files. (Only the folder name and file name can be shown.)

To select the amplifier gain control —AMP.GAIN

You can change the maximum volume level of this unit. When the maximum power of the speakers is less than 50 W, select “LOW POWER” to prevent them from being damaged. When shipped from the factory, “HIGH POWER” is selected.

- **LOW POWER:** You can adjust the volume level from “VOL 00” to “VOL 30.”

Note:

If you change the setting from “HIGH POWER” to “LOW POWER” while listening at a volume level more than 30, the unit automatically changes the volume level to “VOL 30.”

- **HIGH POWER:** You can adjust the volume level from “VOL 00” to “VOL 50.”

To turn the slot light on or off —SLOT LIGHT

You can turn off the slot light if you do not want the illumination each time you insert/eject the disc or when you change the control panel angle. When shipped from the factory, slot light is activated.

- **ON:** Activates the illumination.
- **OFF:** Deactivates the illumination.



Assigning names to CDs

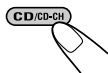
You can assign names to CDs (both in this unit and in the CD changer).

After assigning a name, it will appear on the display when you select the source.

Source	Maximum number of characters
CDs*	Up to 32 characters (up to 40 discs)

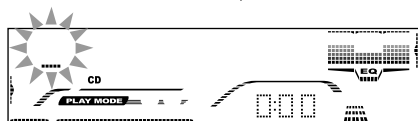
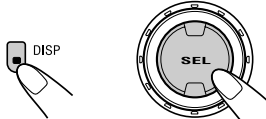
* You cannot assign a name to a CD Text or an MP3/WMA disc.

1 Select a CD you want to assign a name to.



When you select CD as the source, the power automatically comes on.

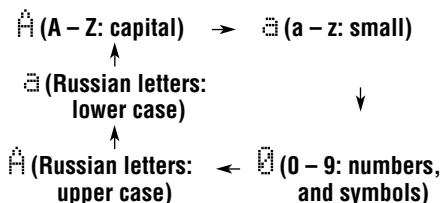
2 While pressing DISP (display), press and hold SEL (select) for more than 2 seconds.



3 Select the character set you want while the first character position is flashing.



Each time you press the button, the character set changes as follows:

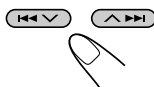


4 Select a character.



- About the available characters, see page 52.

5 Move the cursor to the next (or previous) character position.



6 Repeat steps 3 to 5 until you finish entering the name.

7 Finish the procedure while the last selected character is flashing.



To erase the input characters

To erase all the characters at a time, press and hold DISP (display) for more than 1 second as described in the procedure above.

Notes:

- When you try to assign a name to a 41st disc, "NAME FULL" appears and you cannot enter the text entry mode. In this case, delete unwanted names before assignment.
- When the CD changer is connected, you can assign names to CDs in the CD changer. These names can also be shown on the display if you insert the CDs in this unit.



Changing the control panel angle

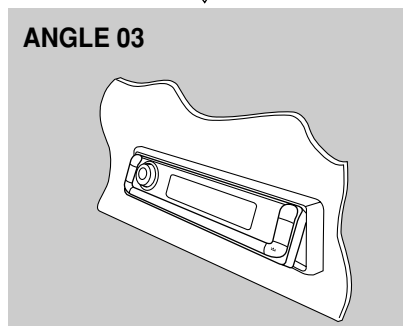
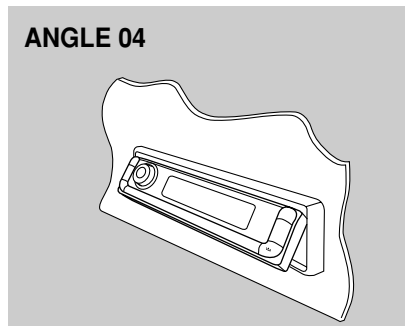
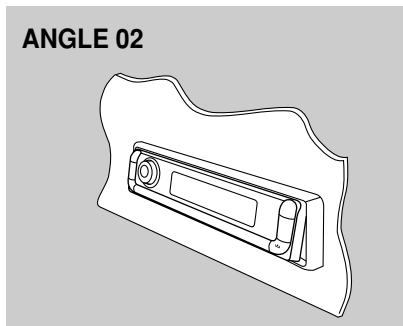
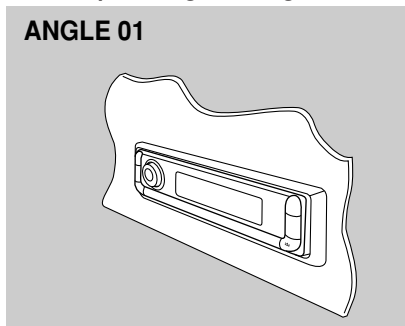
You can change the angle of the control panel in four positions.

- 1 Press and hold  (angle) until the angle adjustment screen appears.



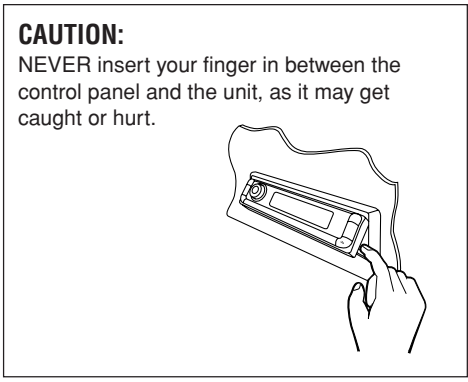
- 2 Press  (angle) repeatedly to adjust the angle to the position you want.

The control panel angles changes as follows:



Note:

If you turn the power off, the control panel automatically returns to the closed position. Next time you turn on the power, the control panel moves to its previous position.





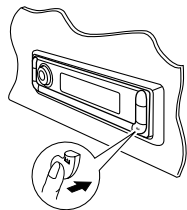
Detaching the control panel

You can detach the control panel when leaving the car.
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

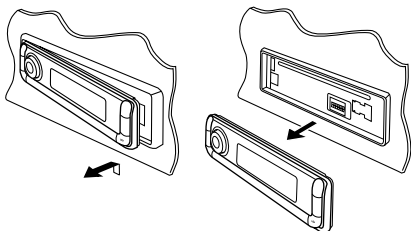
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

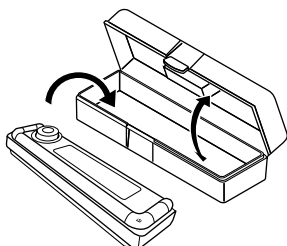
- 1** Unlock the control panel.



- 2** Lift and pull the control panel out of the unit.

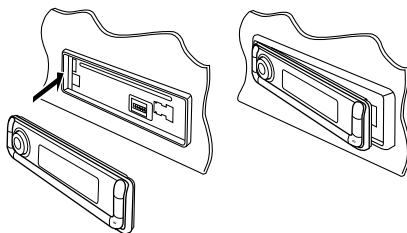


- 3** Put the detached control panel into the provided case.

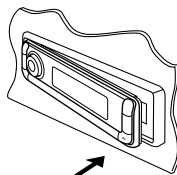


Attaching the control panel

- 1** Insert the left side of the control panel into the groove on the panel holder.

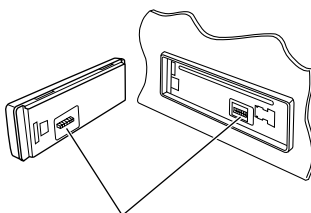


- 2** Press the right side of the control panel to fix it to the panel holder.



Note on cleaning the connectors:

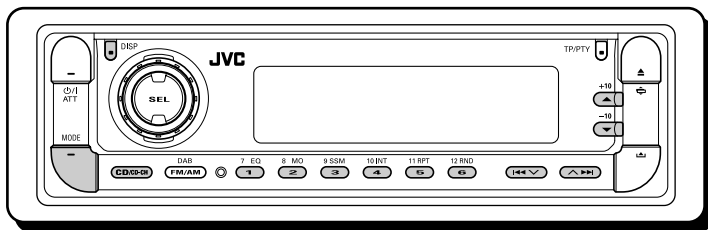
If you frequently detach the control panel, the connectors will deteriorate.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors



CD CHANGER OPERATIONS



We recommend that you use the JVC MP3-compatible CD changer with your unit.

By using this CD changer, you can play back your original CD-Rs (Recordable) and CD-RWs (Rewritable) recorded either in audio CD format or in MP3 format.

- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). However, they are not compatible with MP3 discs, so you cannot play back MP3 discs.
- You cannot use the KD-MK series CD changers with this unit.

Before operating your CD changer:

- Refer also to the Instructions supplied for your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If no magazine is loaded in the CD changer, "NO MAG" appears on the display. If this happens, insert the magazine in the CD changer.
- If "RESET 1" – "RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection and make sure the cords are connected firmly. Then, press the reset button of the CD changer.

Note:

You cannot control and play any WMA disc on the CD changer.

Playing discs

Select the CD changer (CD-CH).



* If you have changed "EXTERNAL IN" setting to "LINE IN" (see page 38), you cannot select the CD changer.

- **When the current disc is an MP3 disc:** Playback starts from the first folder of the current disc once file check is completed.



Selected disc number*



(folder) indicator



MP3 indicator Selected folder number

* When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.

Note:

Folder name appears on the display instead of "ROOT," if an MP3 disc contains a folder.

• When the current disc is a CD:

Playback starts from the first track of the current disc.



Selected disc number* ↓



Elapsed playing time
Current track number ↓



* When "CLOCK DISP" is set to "CLK DISP ON" (see page 36), the current indication will soon change to the clock time.

Notes:

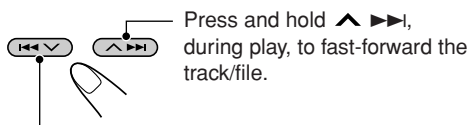
- When you press CD/CD-CH, the power automatically comes on. You do not have to press **⏻/ATT** to turn on the power.
- If you change the source, CD changer play also stops. Next time you select the CD changer as the source, CD changer play starts from where playback has been stopped previously.
- When you start playing back a CD Text or MP3 disc, disc information will automatically appear on the display. (See pages 24 and 27.)

To go to a particular disc directly

Press the number button corresponding to the disc number to start its playback (while the CD changer is playing).



- To select a disc number from 1 – 6:
Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:
Press and hold 1 (7) – 6 (12) for more than one second.

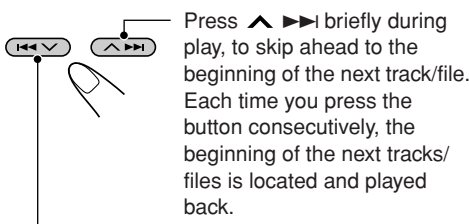
To fast-forward or reverse the track/file


Press and hold **⏭**, during play, to fast-forward the track/file.

Press and hold **⏮**, during play, to reverse the track/file.

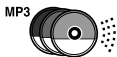
Note:

During this operation on an MP3 disc, you can only hear intermittent sounds. (The elapsed playing time also changes intermittently on the display.)

To go to the next or previous tracks/files


Press **⏭** briefly during play, to skip ahead to the beginning of the next track/file. Each time you press the button consecutively, the beginning of the next tracks/files is located and played back.

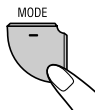
Press **⏮** briefly during play, to skip back to the beginning of the current track/file. Each time you press the button consecutively, the beginning of the previous tracks/files is located and played back.



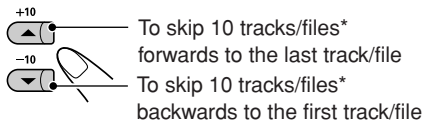
This operation is only possible when using JVC MP3-compatible CD changer (CH-X1500).

To go to a track/file quickly (+10 and -10 buttons)

- 1 Press MODE to enter the functions mode while playing a disc.



- 2 Press +10 or -10.



* First time you press +10 or -10 button, the track/file skips to the nearest higher or lower track/file with a track/file number of multiple ten (ex. 10th, 20th, 30th).

Then each time you press the button, you can skip 10 tracks/files (see "How to use the +10 and -10 buttons" below).

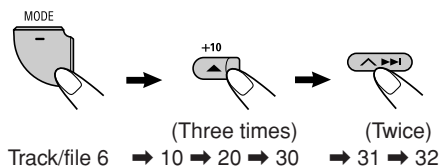
- After the last track/file, the first track/file will be selected, and vice versa.

Note:

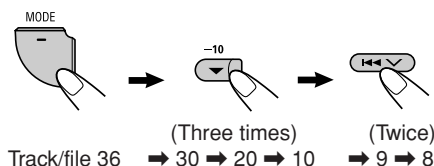
If the current playing disc is an MP3 disc, files are skipped within the same folder.

How to use the +10 and -10 buttons

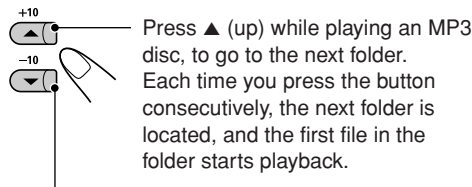
- Ex. 1: To select track/file number 32 while playing track/file number 6



- Ex. 2: To select track/file number 8 while playing track/file number 36



To skip to the next or previous folder (only for MP3 discs)



Press ▼ (down) while playing an MP3 disc, to go to the previous folder.

Each time you press the button consecutively, the previous folder is located, and the first file in the folder starts playback.

To show the disc information for CD Text and MP3 discs

This is possible only when connecting a JVC CD changer equipped with CD Text and/or MP3 disc information reading capability.

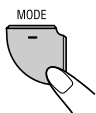
Select text display mode while playing a CD Text or an MP3 disc.



- For details, see page 24 about CD Text disc information and page 27 about MP3 disc information.

Selecting the playback modes

To play back tracks/files at random (Folder Random/Disc Random/Magazine Random Play)

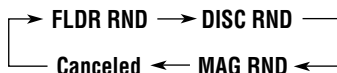


1 Press MODE to enter the functions mode while playing a disc.



2 Press RND (random), while "MODE" is still on the display. Each time you press the button, the random play mode changes as follows:

For MP3 discs:



For CDs:



RND indicator

Ex.: When you select "MAG RND"

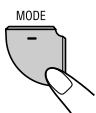
Note:

MP3 indicator also lights up if the current playing disc is an MP3 disc.

Mode	Active indicator	Plays at random
FLDR RND*	and RND indicators light up.	All files of the current folder, then files of the next folder and so on.
DISC RND	and RND indicators light up.	All tracks/files of the current (or specified) disc.
MAG RND	RND indicator lights up.	All tracks/files of the inserted discs.

* "FLDR RND" is only applicable for MP3 disc.

To play back tracks/files repeatedly (Track Repeat/Folder Repeat/Disc Repeat Play)

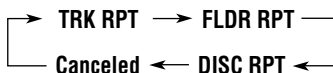


1 Press MODE to enter the functions mode while playing a disc.

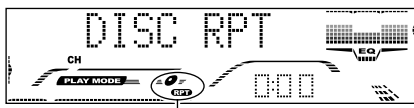


2 Press RPT (repeat), while "MODE" is still on the display. Each time you press the button, the repeat play mode changes as follows:

For MP3 discs:



For CDs:





(disc) and RPT indicators

Ex.: When you select "DISC RPT"

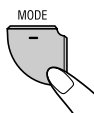
Note:

MP3 indicator also lights up if the current playing disc is an MP3 disc.

Mode	Active indicator	Plays repeatedly
TRK RPT	RPT indicator lights up.	The current (or specified) track/file.
FLDR RPT*	 and RPT indicators light up.	All files of the current (or specified) folder of the current disc.
DISC RPT	 and RPT indicators light up.	All tracks/files of the current (or specified) disc.

* "FLDR RPT" is only applicable for MP3 disc.

To play back only intros (Track Intro Scan/Folder Intro Scan/Disc Intro Scan)

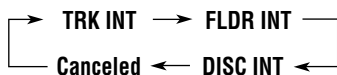


1 Press MODE to enter the functions mode while playing a disc.



2 Press INT (intro), while "MODE" is still on the display. Each time you press the button, the intro scan mode changes as follows:

For MP3 discs:



For CDs:





INT indicator

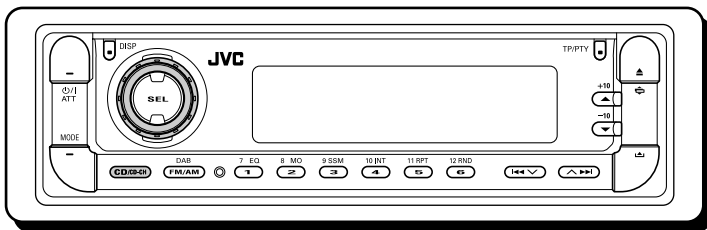
Ex.: When you select "TRK INT"

Note:

MP3 indicator also lights up if the current playing disc is an MP3 disc.

Mode	Active indicator	Plays the beginnings (15 seconds) of
TRK INT	INT indicator lights up.	All tracks/files of the current disc.
FLDR INT*	 and INT indicators light up.	The first file of every folder of the current disc.
DISC INT	 and INT indicators light up.	The first tracks/files of the inserted discs.

* "FLDR INT" is only applicable for MP3 disc.



Playing an external component

You can connect the external component to the CD changer jack on the rear using the Line Input Adapter KS-U57 (not supplied).

Preparations:

- For connecting the Line Input Adapter KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).
- Before operating the external component using the following procedure, select the external input correctly. See "To select the external component to use—EXTERNAL IN" on page 38.

2 Turn on the connected component and start playing the source.

3 Adjust the volume.




4 Adjust the sound as you want. (See pages 31 – 33.)

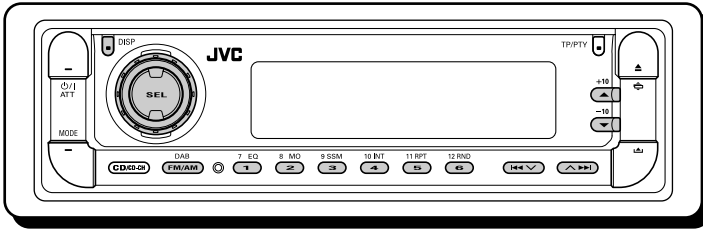
1 Select the external component (LINE IN).



- If "LINE IN" does not appear on the display, see page 38 and select the external input ("LINE IN").

Note on One-Touch Operation:

When you press CD/CD-CH, the power automatically comes on. You do not have to press /ATT to turn on the power.



We recommend that you use DAB (Digital Audio Broadcasting) tuner KT-DB1500 or KT-DB1000 with your unit.

If you have another DAB tuner, consult your JVC IN-CAR ENTERTAINMENT dealer.

- Refer also to the Instructions supplied for your DAB tuner.

What is DAB system?

DAB is one of the digital radio broadcasting systems available today. It can deliver CD quality sound without any annoying interference and signal distortion.

Furthermore, it can carry text, pictures, and data.

In contrast to FM broadcast, where each programme is transmitted on its own frequency, DAB combines several programmes (called “services”) to form one “ensemble.”

In addition, each “service”—called “primary service”—can also be divided into its components (called “secondary service”).

With the DAB tuner connected with this unit, you can enjoy these DAB services.

Note:

When *reception switches between DAB and FM, the listening volume level may increase or decrease inconveniently. This change in the volume level results from unequal audio injection levels at broadcaster site, but not from the malfunction of this unit.*

To prevent this inconvenience, you can adjust the DAB volume level. (See “To adjust the DAB volume level” on page 51.)

Tuning in to an ensemble and one of the services

A typical ensemble has 6 or more programmes (services) broadcast at the same time. After tuning in to an ensemble, you can select a service you want to listen to.

Before you start...

Press FM/AM DAB briefly if CD, CD changer, or external component is the current source.

1 Select the DAB tuner.



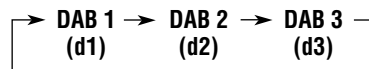
Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2 Select the DAB band (DAB1, DAB2, or DAB3).



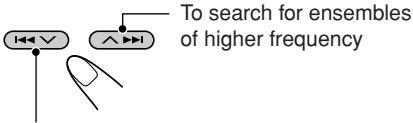
Each time you press the button, the DAB band changes as follows:



Note:

This receiver has three DAB bands (DAB1, DAB2, DAB3). You can use any of them to tune in to an ensemble.

3 Start searching for an ensemble.

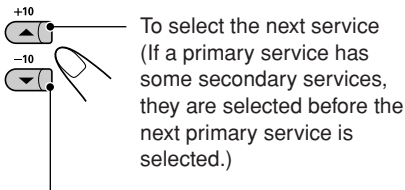


To search for ensembles of lower frequency

When an ensemble is received, searching stops.

To stop searching before an ensemble is received, press the same button you have pressed for searching.

4 Select a service (either primary or secondary) you want to listen to.



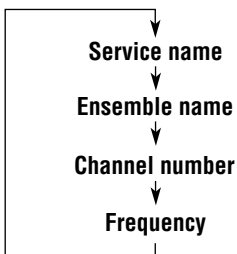
To select the previous service (either primary or secondary)

To change the display information while tuning in to an ensemble

Normally service name is shown on the display. If you want to check the ensemble name or its frequency, press DISP (display) repeatedly.



Each time you press the button, the following information appears for a while on the display.



To tune in to a particular ensemble without searching

Before you start....

Press FM/AM DAB briefly if CD, CD changer, or external component is the current source.

- 1 Press and hold FM/AM DAB to select DAB tuner as the source.
- 2 Press FM/AM DAB repeatedly to select the DAB band (DAB1, DAB2, or DAB3).
- 3 Press and hold ▲ ►►► or ◀◀◀ ▼ for more than one second.
- 4 Press ▲ ►►► or ◀◀◀ ▼ repeatedly until the ensemble you want is reached.
 - If you hold down the button, the frequency keeps changing until you release the button.
- 5 Press ▲ (up) or ▼ (down) to select a service (either primary or secondary) you want to listen to.

To restore the FM/AM tuner

Press and hold FM/AM DAB again.

Storing DAB services in memory

You can preset up to 6 DAB services in each DAB band (DAB1, DAB2, and DAB3) manually.

Before you start....

Press FM/AM DAB briefly if CD, CD changer, or external component is the current source.

1 Select the DAB tuner.



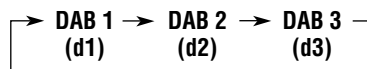
Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2 Select the DAB band (DAB1, DAB2, or DAB3) you want.

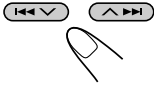


Each time you press the button, the DAB band changes as follows:

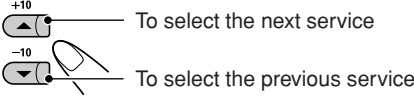


CONTINUED ON THE NEXT PAGE

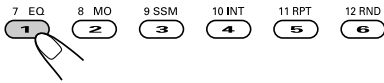
3 Tune in to an ensemble you want.



4 Select a service of the ensemble you want to listen to.



5 Press and hold the number button (in this example, 1) for more than 2 seconds to store the selected service into the preset number you want.



Selected preset number



6 Repeat the above procedure to store other DAB services into other preset numbers.

Notes:

- You can only preset primary DAB services. If you store a secondary service, its primary service will be stored instead.
- A previously preset DAB service is erased when a new DAB service is stored in the same preset number.
- Preset DAB services are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the DAB services again.

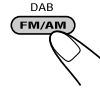
Tuning in to a preset DAB service

You can easily tune in to a preset DAB service. Remember that you must store services first. If you have not stored them yet, see “Storing DAB services in memory” on pages 49 and 50.

Before you start....

Press FM/AM DAB briefly if CD, CD changer, or external component is the current source.

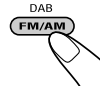
1 Select the DAB tuner.



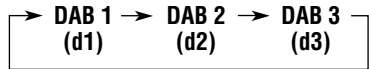
Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

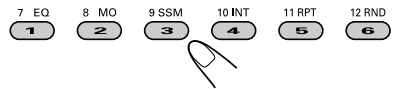
2 Select the DAB band (DAB1, DAB2, or DAB3) you want.



Each time you press the button, the DAB band changes as follows:



3 Select the number (1 – 6) for the preset DAB service (primary) you want.



Note:

If the selected primary service has some secondary services, pressing the same number button repeatedly will tune in to the secondary services.

What you can do more with DAB

Tracing the same programme automatically (Alternative Reception)

You can keep listening to the same programme.

- **While receiving a DAB service:**
When driving in an area where a service cannot be received, this unit automatically tunes in to another ensemble or FM RDS station, broadcasting the same programme.
- **While receiving an FM RDS station:**
When driving in an area where a DAB service is broadcasting the same programme as the FM RDS station is broadcasting, this unit automatically tunes in to the DAB service.

To use Alternative Reception

When shipped from the factory, Alternative Reception is activated.

- See also “Changing the general settings (PSM)” on pages 34 and 35.
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
 - 2 Press **▲ ►►** or **◄◄ ▼** to select “DAB AF” (alternative frequency).
 - 3 Turn the control dial to select the desired mode.
 - AF ON: Traces the programme among DAB services and FM RDS stations—Alternative Reception. The AF indicator lights up on the display (see page 14).
 - AF OFF: Alternative Reception is deactivated.
 - 4 Press SEL (select) to finish the setting.

Note:

When Alternative Reception (for DAB services) is activated, Network-Tracking Reception (for RDS stations: see page 14) is also activated automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Reception.

To adjust the DAB volume level

You can adjust the volume level of DAB tuner and store it in memory. By adjusting the volume level properly to match it to the FM sound level, you will not need to adjust the volume level each time you change the source to DAB.

When shipped from the factory, DAB volume level is set at “VOL 00.”

- See also “Changing the general settings (PSM)” on pages 34 and 35.
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
 - 2 Press **▲ ►►** or **◄◄ ▼** to select “DAB VOL” (volume).
 - 3 Turn the control dial to set to the desired volume.
You can set it from “VOL -12” to “VOL +12.”
 - 4 Press SEL (select) to finish the setting.



ADDITIONAL INFORMATION

Sound modes (preset frequency level settings)

The list below shows the preset frequency level settings for each sound mode.

Sound modes	Preset equalizing values						
	LOW LEVEL	LOW FREQ	LOW WIDTH	MID LEVEL	MID WIDTH	HI LEVEL	HI FREQ
FLAT	00	60Hz	1	00	1	00	8kHz
HARD ROCK	+03	120Hz	4	00	1	+02	8kHz
R&B	+03	80Hz	1	+01	1	+03	15kHz
POP	+02	120Hz	1	+01	1	+02	10kHz
JAZZ	+03	80Hz	1	00	1	+03	10kHz
DANCE MUSIC	+04	60Hz	2	-02	2	+01	8kHz
COUNTRY	+02	60Hz	3	00	1	+02	12kHz
REGGAE	+03	60Hz	1	+02	1	+02	12kHz
CLASSIC	+01	80Hz	1	00	1	+03	10kHz
USER 1	00	60Hz	1	00	1	00	8kHz
USER 2	00	60Hz	1	00	1	00	8kHz
USER 3	00	60Hz	1	00	1	00	8kHz

Available characters

In addition to the alphabets (A – Z, a – z), you can use the following characters to assign names to CDs and CD changer. (See page 39.)

- These characters can be also used to show other information such as disc title/performer on the display.

Russian letters

Upper case

А	Б	В	Г	Д
Е	Ж	З	И	Й
К	Л	М	Н	О
П	Р	С	Т	У
Ф	Х	Ц	Ч	Ш
Щ	Ъ	Ы	Ь	Э
Ю	Я	Ё	space	

Lower case

а	б	в	г	д
е	ж	з	и	й
к	л	м	н	о
п	р	с	т	у
ф	х	ц	ч	ш
щ	ъ	ы	ь	э
ю	я	ё	space	

Numbers and symbols


0	1	2	3	4
5	6	7	8	9
!	"	#	\$	%
&	'	()	*
+	,	-	.	/
:	;	<	=	>
?	@	_	`	i
¿	£	€	α	space

TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none"> This unit does not work at all. 	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Press the reset button on the control panel. (Your preset adjustments will also be erased.) (See page 2.)
	<ul style="list-style-type: none"> When "PUSH RESET" appears on the display. 	There is something blocking the control movement.	Press the reset button on the control panel. (See page 2.) If the reset button does not work, check the Installation/Connection Manual (separate volume). (Ex.: You have used a longer screw than specified.)
FM/AM	<ul style="list-style-type: none"> SSM (Strong-station Sequential Memory) automatic preset does not work. 	Signals are too weak.	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	The aerial is not connected firmly.	Connect the aerial firmly.
Disc Playback	<ul style="list-style-type: none"> Disc cannot be played back. 	Disc is inserted upside down.	Insert the disc correctly.
	<ul style="list-style-type: none"> CD-R/CD-RW cannot be played back. Tracks on the CD-R/CD-RW cannot be skipped. 	CD-R/CD-RW is not finalized.	<ul style="list-style-type: none"> Insert a finalized CD-R/CD-RW. Finalize the CD-R/CD-RW with the component which you used for recording.
		Disc cannot be ejected.	Disc is locked.
	<ul style="list-style-type: none"> Disc sound is sometimes interrupted. 	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none"> Disc cannot be recognized ("NO DISC" appears on the display). 	No disc in the loading slot.	Insert a disc into the loading slot.
Disc is inserted incorrectly.		Insert the disc correctly.	
The unit may have functioned incorrectly.		While pressing CD/CD-CH, press and hold SEL (select) for more than 2 seconds to eject the disc.	



Symptoms	Causes	Remedies
<ul style="list-style-type: none"> Disc cannot be played back. 	No MP3/WMA files are recorded on the disc.	Change the disc.
	MP3/WMA files do not have the extension code <.mp3> or <.wma> in their file names.	Add the extension code <.mp3> or <.wma> to their file names.
	MP3/WMA files are not recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.	Change the disc. (Record MP3/WMA files using a compliant application.)
<ul style="list-style-type: none"> Noise is generated. 	The file played back is not an MP3/WMA file (although it has the extension code <.mp3> or <.wma>).	Skip to another file or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or non-WMA files.)
<ul style="list-style-type: none"> A longer readout time is required ("FILE CHECK" keeps flashing on the display). 	Readout time varies due to the complexity of the folder/file configuration.	Do not use too many hierarchies and folders.
<ul style="list-style-type: none"> Files cannot be played back as you have intended them to play. 	Playback order is determined when the files are recorded.	_____
<ul style="list-style-type: none"> Elapsed playing time is not correct. 	This sometimes occurs during play. This is caused by how the files are recorded on the disc.	_____
<ul style="list-style-type: none">  indicator flashes on the display. 	The current folder does not contain any MP3/WMA file.	Select another folder.
<ul style="list-style-type: none"> "NO FILES" appears on the display. 	The current disc does not contain any MP3/WMA file.	Insert a disc that contains MP3/WMA files.
<ul style="list-style-type: none"> Correct characters are not displayed (e.g. album name). 	This unit can only display alphabets (capital: A–Z, small: a–z), numbers, and a limited number of symbols and some Russian letters (see page 52).	_____

MP3/WMA Playback



Symptoms	Causes	Remedies
<ul style="list-style-type: none"> • “NO DISC” appears on the display. 	No disc is in the magazine.	Insert discs into the magazine.
	Discs are inserted upside down.	Insert discs correctly.
<ul style="list-style-type: none"> • “NO MAG” appears on the display. 	No magazine is loaded in the CD changer.	Insert the magazine.
<ul style="list-style-type: none"> • “RESET 8” appears on the display. 	This unit is not connected to the CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
<ul style="list-style-type: none"> • “RESET 1” – “RESET 7” appears on the display. 	_____	Press the reset button of the CD changer.
<ul style="list-style-type: none"> • The CD changer does not work at all. 	The built-in microcomputer may function incorrectly due to noise, etc.	Press the reset button on the control panel. (Your preset adjustments will also be erased.) (See page 2.)

CD Changer

About mistracking:

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the disc, but will be annoying.

We recommend that you stop disc play while driving on such rough roads.



Handling discs

This unit has been designed to reproduce CDs, CD-Rs (Recordable), CD-RWs (Rewritable), and CD Texts.

- This unit is also compatible with MP3 and WMA discs.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

Always hold the disc by the edges. Do not touch its recording surface.

- Always hold the disc by the edges. Do not touch its recording surface.

Center holder



When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

To keep discs clean

A dirty disc may not be played correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.



Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

When playing a CD-R or CD-RW

Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.

- Use only “finalized” CD-Rs or CD-RWs.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, and for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- CD-Rs or CD-RWs are susceptible to high temperatures or high humidity, so do not leave them inside your car.
- Do not use following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs. For example,

- Stickers or labels may shrink and warp a disc.
- Stickers or labels may be peeled off so discs cannot be ejected.
- Print on discs may get sticky.

Read instructions or cautions about labels and printable discs carefully.

CAUTIONS:

- Do not insert 8 cm discs (single CDs) into the loading slot. (Such discs cannot be ejected.)
- Do not insert any disc of unusual shape—like a heart or flower; otherwise, it will cause a malfunction.
- Do not expose discs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

Warped disc



Sticker



Sticker residue

Disc



Stick-on label

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 50 W per channel

Rear: 50 W per channel

Continuous Power Output (RMS):

Front: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Rear: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Equalizer Control Range

Low: ± 12 dB (60 Hz, 80 Hz, 100 Hz, 120 Hz)

Mid: ± 12 dB

High: ± 12 dB (8 kHz, 10 kHz, 12 kHz, 15 kHz)

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

5.0 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

Subwoofer-Out Level/Impedance:

2.0 V/20 k Ω load (full scale)

TUNER SECTION

Frequency Range:

FM1/FM2: 87.5 MHz to 108.0 MHz

FM3: 65.00 MHz to 74.00 MHz

AM: (MW) 522 kHz to 1 620 kHz

(LW) 144 kHz to 279 kHz

[FM Tuner]

Usable Sensitivity:

11.3 dBf (1.0 μ V/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μ V/75 Ω)

Alternate Channel Selectivity (400 kHz):

65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 30 dB

Capture Ratio: 1.5 dB

[MW Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

[LW Tuner]

Sensitivity: 50 μ V

CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

MP3 decoding format:

MPEG1/2 Audio Layer 3

Max. Bit Rate: 320 Kbps

WMA (Windows Media[®] Audio) decoding format:

Max. Bit Rate: 192 Kbps

GENERAL

Power Requirement

Operating Voltage:

DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature:

0°C to +40°C

Dimensions (W \times H \times D):

Installation Size (approx.):

182 mm \times 52 mm \times 159 mm

Panel Size (approx.):

188 mm \times 58 mm \times 12 mm

Mass (approx.):

1.5 kg (excluding accessories)

Design and specifications are subject to change without notice.

**Having TROUBLE with operation?
Please reset your unit**

Refer to page of How to reset your unit

**Затруднения при эксплуатации?
Пожалуйста, перезагрузите Ваше
устройство**

Для получения информации о перезагрузке Вашего устройства обратитесь на соответствующую страницу

JVC

VICTOR COMPANY OF JAPAN, LIMITED



EN, RU

© 2004 VICTOR COMPANY OF JAPAN, LIMITED

0104KKSMdTJEIN

JVC KD-G807

Installation/Connection Manual

Руководство по установке/подключению

GET0200-002A
[EE]

0104KKSMDTJEIN
EN, RU

ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC IN-CAR ENTERTAINMENT dealers.

РУССКИЙ

Это устройство разработано для эксплуатации на **12 В постоянного напряжения с минусом на массе**. Если Ваш автомобиль не имеет этой системы, требуется инвертор напряжения, который может быть приобретен у дилера автомобильного специалиста JVC.

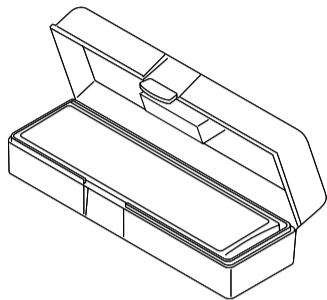
Parts list for installation and connection

The following parts are provided for this unit.
After checking them, please set them correctly.

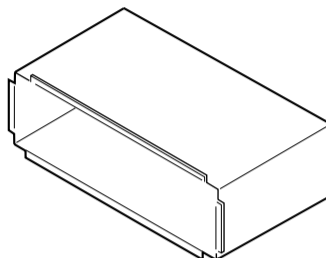
Список деталей для установки и подключения

Следующие детали поставлены в комплекте с устройством.
После проверки комплектации, пожалуйста, установите их правильно.

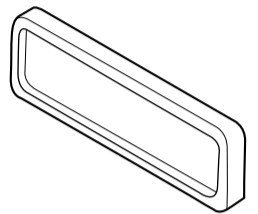
(A) / (B)
Hard case/Control panel
Жесткий футляр/панель
управления



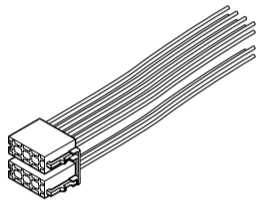
(C)
Sleeve
Муфта



(D)
Trim plate
Декоративную панель



(E)
Power cord
Кабель питания



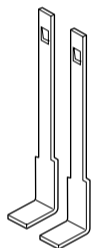
(F)
Washer (ø5)
Шайба (н5)



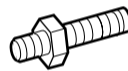
(G)
Lock nut (M5)
Фиксирующая гайка (M5)



(H)
Handles
Рычаги



(I)
Mounting bolt—M5 x 20 mm
Крепежный болт—M5 x 20 мм



(J)
Rubber cushion
Резиновый чехол



(K)
Battery
Батарейка



(L)
Remote controller
дистанционного управления



INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.

- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

УСТАНОВКА (УСТАНОВКА В ПРИБОРНУЮ ПАНЕЛЬ)

На следующих иллюстрациях показана типовая установка. Тем не менее, Вы должны сделать поправки в соответствии с типом Вашего автомобиля. Если у Вас есть какие-либо вопросы, касающиеся установки, обратитесь к Вашему дилеру автомобильного специалиста JVC или в компанию, поставляющую соответствующие принадлежности.

- Если Вы не знаете точно, как следует устанавливать это устройство, обратитесь к квалифицированному специалисту.

1

2

3

4

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*1 Устанавливайте устройство таким образом, чтобы не повредить предохранитель, расположенный сзади.

5

Fit the protrusions outside the unit.
Соответствует выступам на внешней стороне устройства.

6

Bend the appropriate tabs to hold the sleeve firmly in place.
Отогните соответствующие фиксаторы, предназначенные для прочной установки корпуса.

7

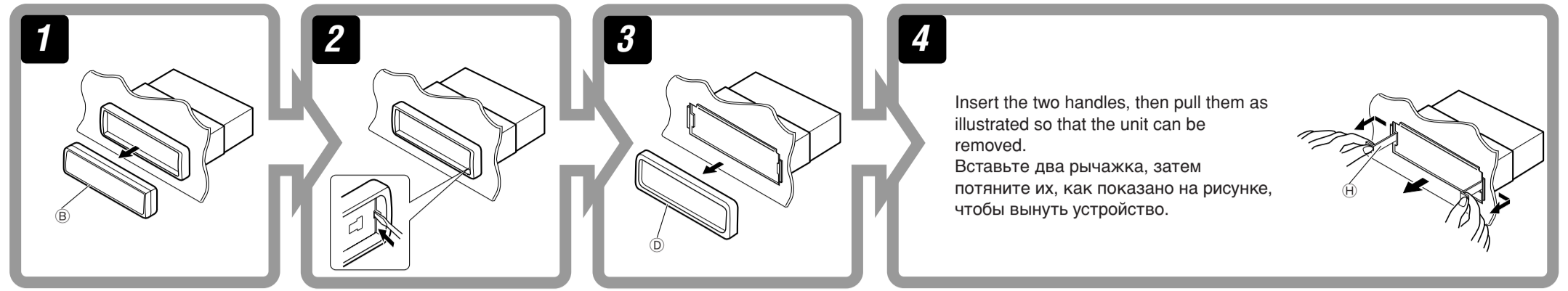
Do the required electrical connections.
Выполните необходимые подключения контактов, как показано на обратной стороне этой инструкции.

Removing the unit

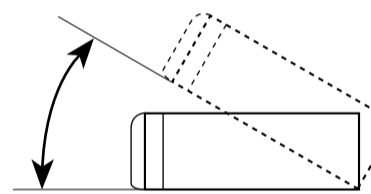
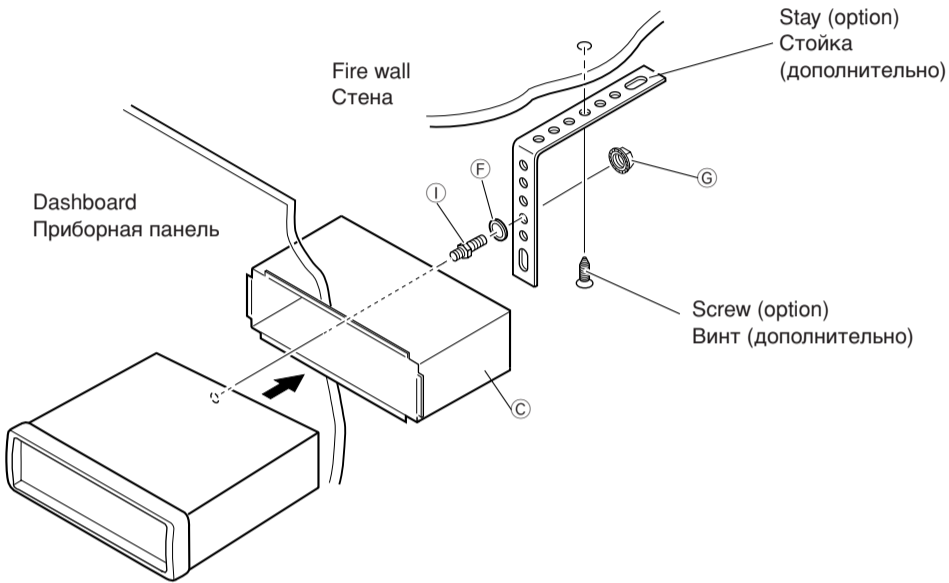
Before removing the unit, release the rear section.

Удаление устройства

Перед удалением устройства освободите заднюю часть.



When using the optional stay / При использовании дополнительной стойки

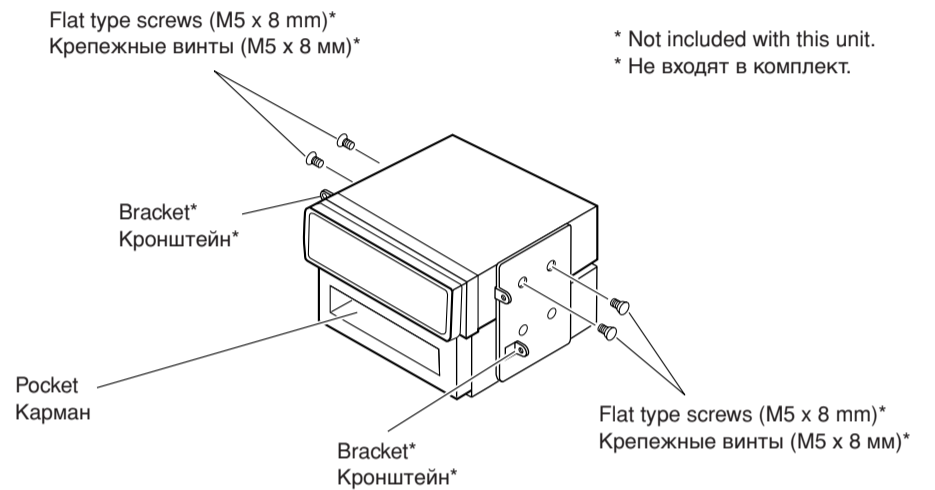


Install the unit at an angle of less than 30°. Установите устройство под углом менее 30°.

When installing the unit without using the sleeve / При установке устройства без использования муфты

In a Toyota for example, first remove the car radio and install the unit in its place.

В автомобилях "Toyota", например, сначала удалите автомобильную магнитолу, затем установите на ее место это устройство.



* Not included with this unit.
* Не входят в комплект.

Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.

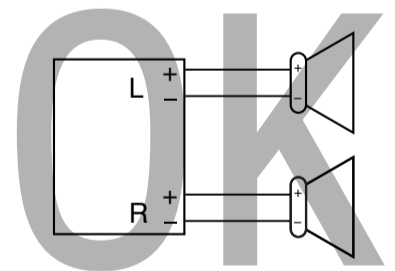
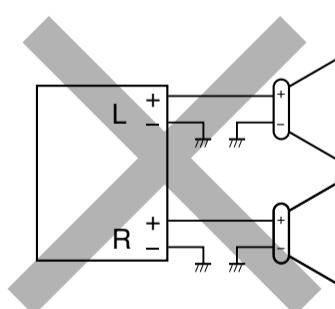
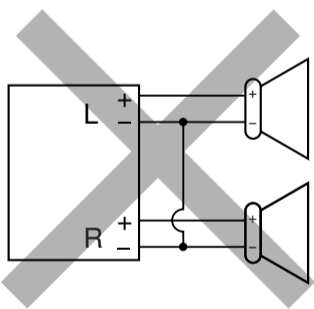
Примечание : При установке устройства на крепежный кронштейн, используйте только винты длиной 8 мм. При использовании более длинных винтов можно повредить устройство.

PRECAUTIONS on power supply and speaker connections:

- **DO NOT** connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- **BEFORE** connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

ПРЕДОСТЕРЕЖЕНИЯ по питанию и подключению громкоговорителей:

- **НЕ** подключайте провода громкоговорителей к аккумулятору автомобиля, иначе устройство будет повреждено.
- **ПЕРЕД** подключением проводов громкоговорителей к кабелю питания громкоговорителя проверьте схему соединений громкоговорителей в Вашем автомобиле.



TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the "-" terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- **Unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the "-" terminals of L and R speakers grounded in common?

ВЫЯВЛЕНИЕ НЕИСПРАВНОСТЕЙ

- **Сработал предохранитель.**
 - * Правильно ли подключены черный и красный провода?
- **Питание не включается.**
 - * Подключен ли желтый провод?
- **Звук не выводится через громкоговорители.**
 - * Нет ли короткого замыкания на кабеле выхода громкоговорителей?
- **Звук искажен.**
 - * Заземлен ли провод выхода громкоговорителей?
 - * Заземлены ли разъемы "-" правого (R) и левого (L) громкоговорителей?
- **Шум мешает звучанию.**
 - * Соединен ли находящийся сзади зажим заземления с шасси автомобиля с помощью более короткого и тонкого шнура?
- **Устройство нагревается.**
 - * Заземлен ли провод выхода громкоговорителей?
 - * Заземлены ли разъемы "-" правого (R) и левого (L) громкоговорителей?

ELECTRICAL CONNECTIONS

ЭЛЕКТРИЧЕСКИЕ ПОДКЛЮЧЕНИЯ

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

Для предотвращения коротких замыканий мы рекомендуем Вам отсоединить отрицательный разъем аккумулятора и осуществить все подключения перед установкой устройства.

• **Be sure to ground this unit to the car's chassis again after installation.**

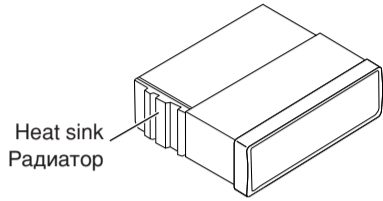
• **После установки обязательно заземлите данное устройство на шасси автомобиля.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC IN-CAR ENTERTAINMENT dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of 4 Ω to 8 Ω). If the maximum power is less than 50 W, change "AMP.GAIN" setting to prevent the speakers from being damaged (see page 38 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.

Примечания:

- Заменяйте предохранитель другим предохранителем указанного класса. Если предохранитель сгорает слишком часто, обратитесь к дилеру автомобильного специалиста JVC.
- Рекомендуется подключать динамики с максимальной мощностью более 50 Вт (к задней и передней панели устройства, с полным сопротивлением от 4 Ω до 8 Ω). Если максимальная мощность динамиков менее 50 Вт, перейдите в режим "AMP.GAIN", чтобы предотвратить их повреждение (см. ИНСТРУКЦИИ ПО ЭКСПЛУАТАЦИИ на стр. 38).
- Для предотвращения короткого замыкания заклейте НЕИСПОЛЬЗУЕМЫЕ концы изолирующей лентой.
- Радиатор во время использования сильно нагревается. Старайтесь его не трогать во время удаления устройства.



A Typical Connections / Типичные подключения

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

Перед началом подключений: Тщательно проверьте проводку в автомобиле. Неправильное подключение может привести к серьезному повреждению устройства. Жилы силового кабеля и жилы соединителя от кузова автомобиля могут быть разного цвета.

The leads of the power cord and those of the connector from the car body may be different in color.

1 Подсоедините цветные провода шнура питания в указанном ниже порядке.

1 Connect the colored leads of the power cord in the order specified in the illustration below.

2 Подключите кабель антенны.

2 Connect the aerial cord.

3 В последнюю очередь подключите электропроводку к устройству.

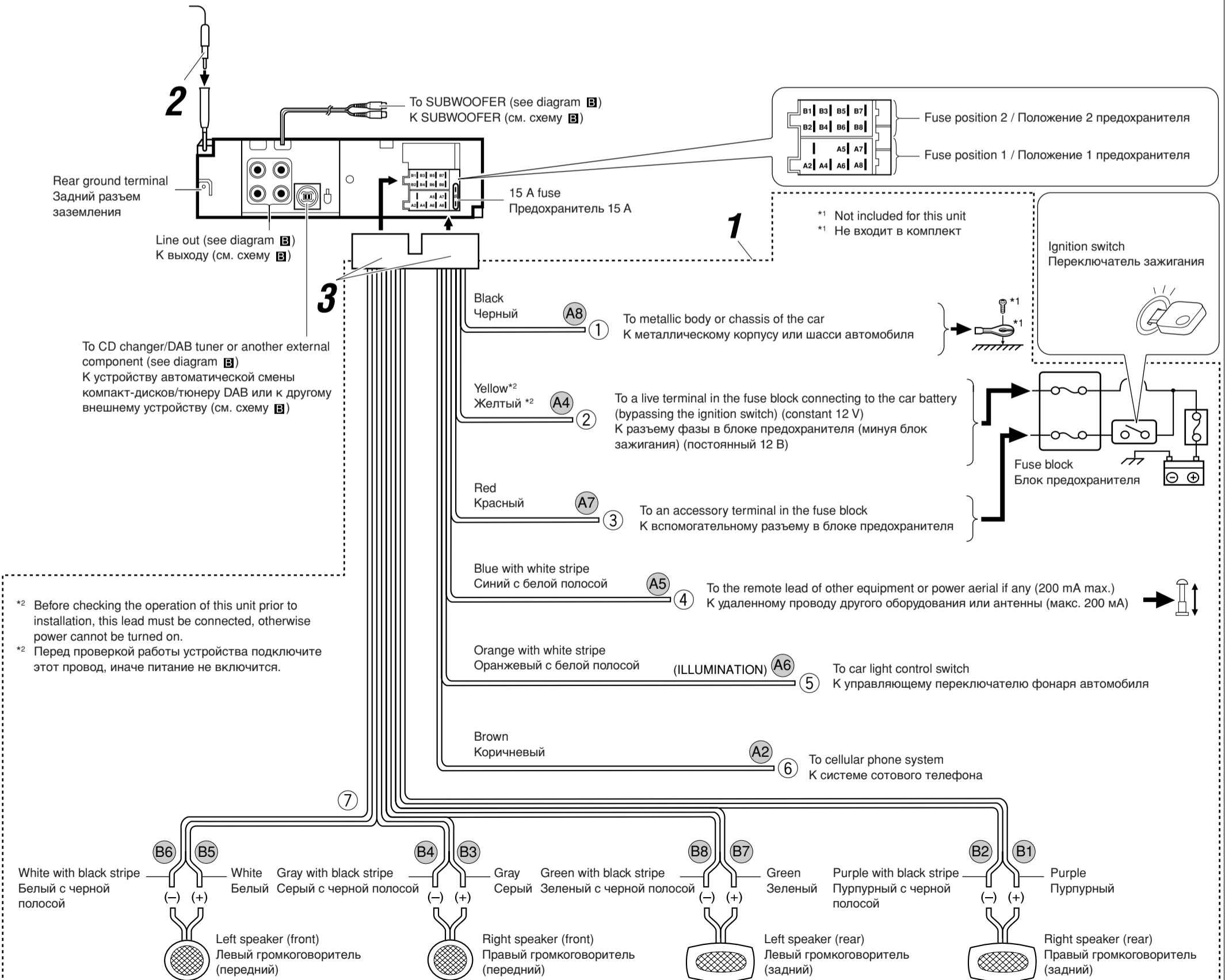
3 Finally connect the wiring harness to the unit.

Note: If your vehicle does not have any accessory terminal, move the fuse from the fuse position 1 (initial position) to fuse position 2, and connect the red lead (A7) to the positive (+) battery terminal.

Примечание: Если в Вашем автомобиле никакого вспомогательного разъема не имеется, переставьте предохранитель из положения 1 предохранителя (первоначальное положение) в положение 2 предохранителя и подключите красный провод (A7) к положительному (+) полюсу аккумулятора.

• The yellow lead (A4) is not used in this case.

• Желтый провод (A4) в этом случае не используется.



B Connections Adding Other Equipment / Подключение других устройств

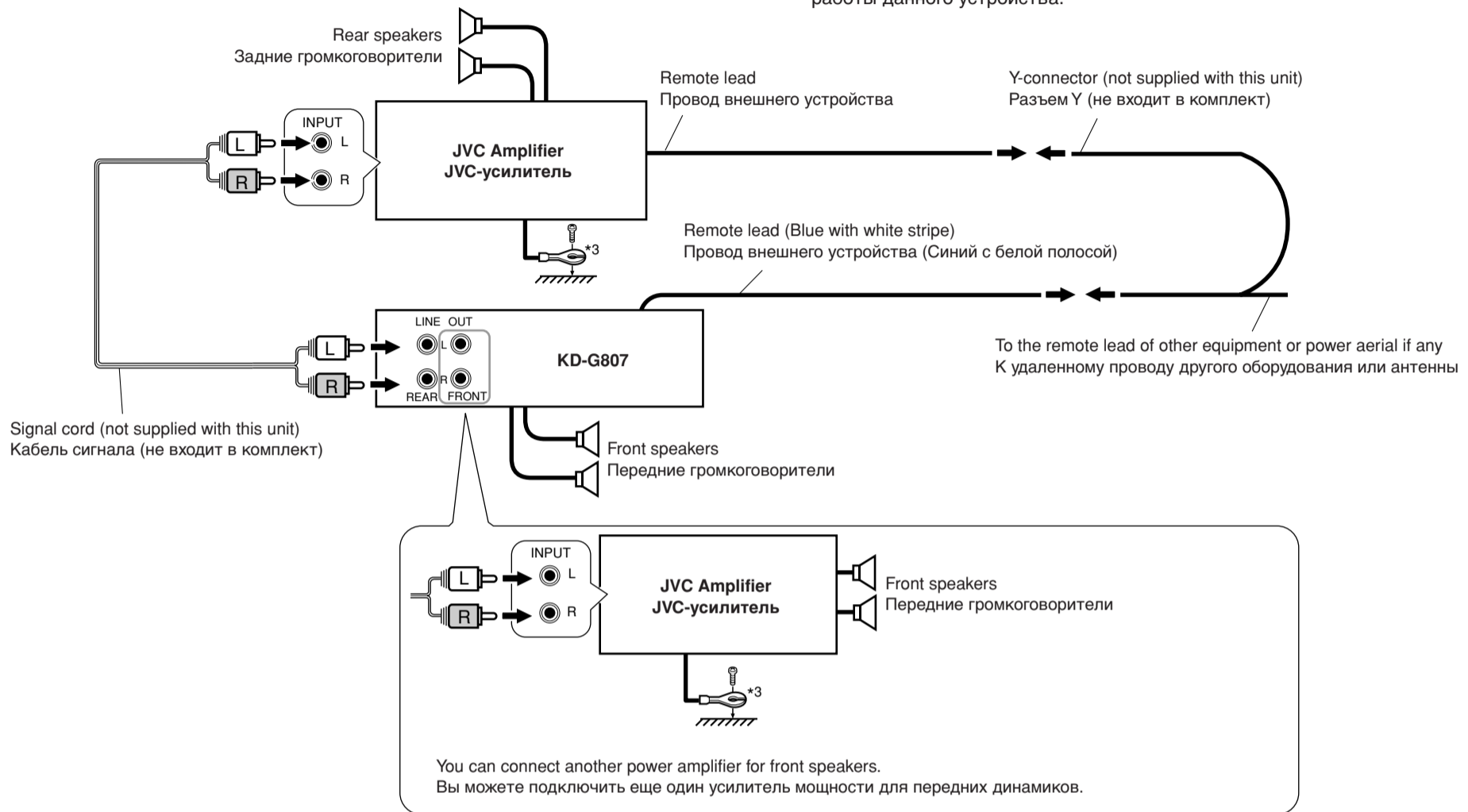
Amplifier / Усилитель

You can connect an amplifier (and other equipment) to upgrade your car stereo system.

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **For amplifier only:**
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**
 - The line output level of this unit is kept high to maintain the hi-fi sounds reproduced from this unit.
- When connecting an external amplifier to this unit, turn down the gain control on the external amplifier to obtain the best performance from this unit.

Для обновления автомобильной стереосистемы Вы можете подключить усилитель.

- Подсоедините провод внешнего устройства (синий с белой полосой) к проводу внешнего устройства другого оборудования так, чтобы им можно было управлять с этого устройства.
- **Только для усилителя:**
 - **Отсоедините громкоговорители от данного устройства, подключите их к усилителю. Оставьте провода громкоговорителей данного устройства неиспользованными.**
 - Уровень выходного сигнала линии данного устройства поддерживается высоким, чтобы обеспечить высококачественный звук, воспроизводимый данным устройством. При подключении внешнего усилителя к данному устройству убавьте регулировку усиления на внешнем усилителе, чтобы обеспечить оптимальные характеристики работы данного устройства.



*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

*3 Плотно прикрепите заземляющий провод к металлическому кузову или шасси автомобиля—в месте, не покрытом краской (если оно покрыто краской, удалите краску перед тем, как прикреплять провод). Невыполнение этого требования может привести к повреждению данного устройства.

CD changer and DAB tuner / Проигрыватель-автомат компакт-дисков и тюнер DAB

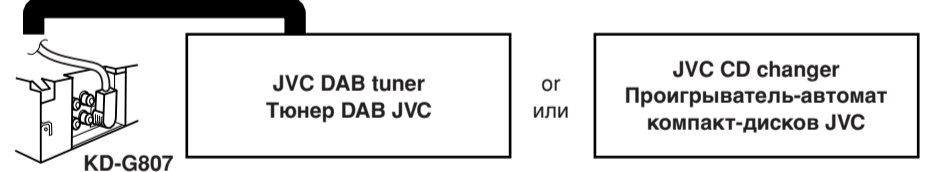
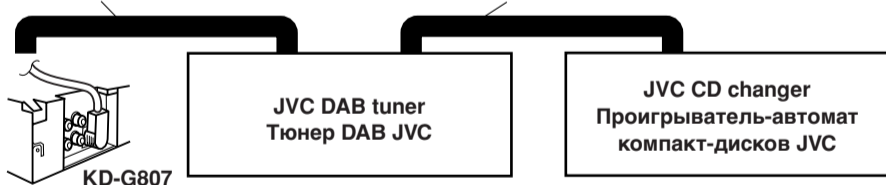
Refer also to page 42 of the INSTRUCTIONS.

См. также ИНСТРУКЦИИ ПО ЭКСПЛУАТАЦИИ на стр. 42.

Connecting cord supplied for your DAB tuner
Соединительный кабель, поставляемый с Вашим тюнером DAB

Connecting cord supplied for your CD changer
Соединительный кабель, поставляемый с Вашим проигрывателем-автоматом компакт-дисков

Connecting cord supplied for your DAB tuner or CD changer
Соединительный кабель, поставляемый с Вашим тюнером DAB или проигрывателем-автоматом компакт-дисков

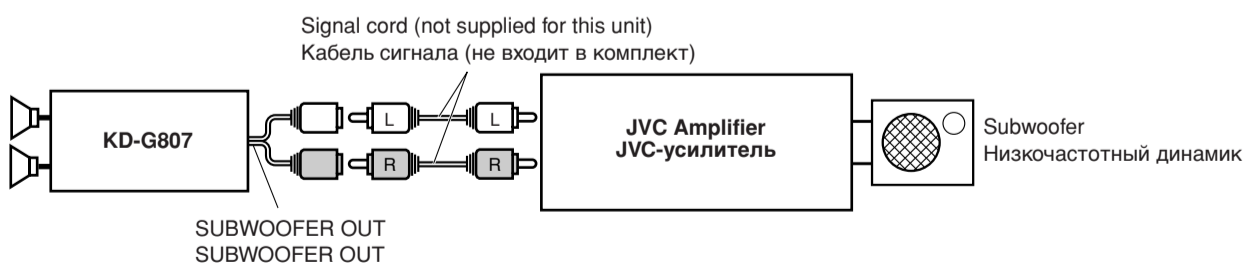


- You can connect both components in series as illustrated above.
- Вы можете подключить оба компонента последовательно, как проиллюстрировано выше.

CAUTION / ПРЕДОСТЕРЕЖЕНИЕ:

- Before connecting the CD changer and/or the DAB tuner, make sure that the unit is turned off.
- Перед подключением проигрывателя-автомата компакт-дисков и/или тюнера DAB убедитесь, что данное устройство выключено.

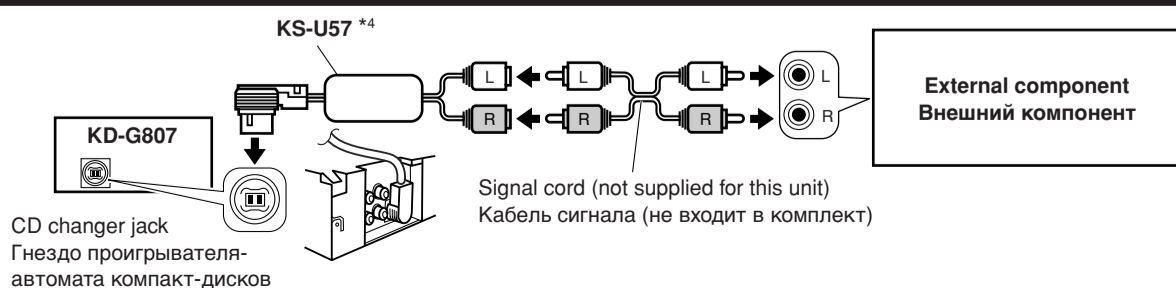
Subwoofer / Низкочастотный динамик



You can connect a subwoofer through an amplifier to reinforce the bass.

- For their connections, refer to the instructions supplied with your subwoofer.
- Низкочастотный динамик можно подключить через усилитель для усиления нижних частот.
- Инструкции по подключению приведены в документации по низкочастотному динамику.

External Component / Внешний компонент



*4 Line Input Adapter KS-U57 (not supplied with this unit)
*4 Адаптер входной линии KS-U57 (не входит в комплект)