

JVC



CD RECEIVER

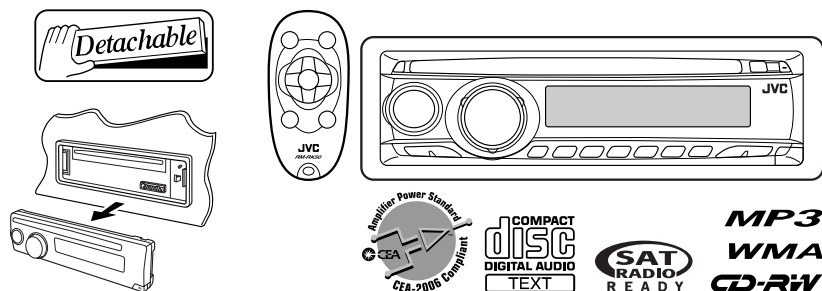
KD-S33

ENGLISH

RECEPTOR CON CD

KD-S33

ESPAÑOL



For canceling the display demonstration, see page 7.

Para cancelar la demostración en pantalla, consulte la página 7.

For installation and connections, refer to the separate manual.
Para la instalación y las conexiones, refiérase al manual separado.

For customer Use:

Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

INSTRUCTIONS

MANUAL DE INSTRUCCIONES

GET0401-001A

[J]

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.

INFORMATION (For U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution:

Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

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:** (For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam.
(For Canada) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC08025-1:2001 (ENG)	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	AVISO RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	WARNING SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	注意 ここに書くと同様 及び/または不可視 のクラス1M レーザー放射が します。 光学器具で直接 見ないでください。 (JPN)	CAUTION VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A
--	--	---	---	--	---



[European Union only]

Warning:

If you need to operate the unit while driving, be sure to look ahead carefully or you may be involved in a traffic accident.




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.

The following marks are used to indicate...

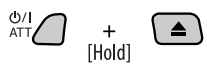
-  : Built-in CD player operations.
-  : External CD changer operations.
-  : Indicator displayed for the corresponding operation.

How to reset your unit



- Your preset adjustments will also be erased.
- If a disc is loaded, it will eject. Be careful not to drop the disc.

How to forcibly eject a disc

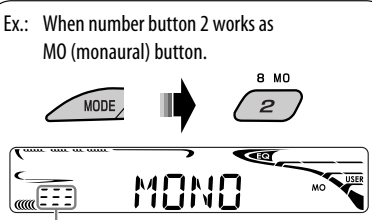


- If this does not work, reset your unit.
- Be careful not to drop the disc when it ejects.

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.



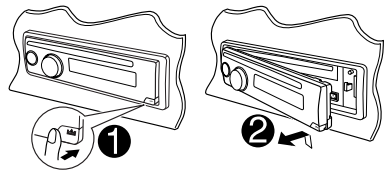
The diagram shows the MODE button and the number 2 button. Below them is a car stereo display showing "MONO" and "MO" on the right. A "Time countdown indicator" is shown on the left of the display.

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

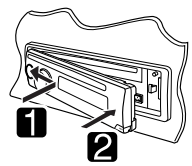
CONTENTS

Control panel	4
Remote controller — RM-RK50	5
Getting started	6
Basic operations	6
Radio operations	7
Disc operations	8
Playing a disc in the unit	8
Playing discs in the CD changer	9
Sound adjustments	11
General settings — PSM	12
Satellite radio operations	15
iPod®/D. player operations	18
Other external component operations ...	20
More about this unit	20
Maintenance	23
Troubleshooting	24
Specifications	27

Detaching the control panel

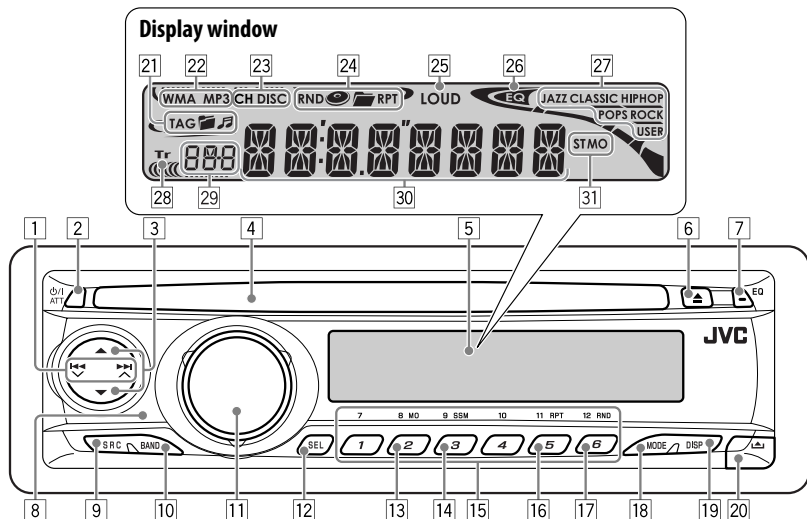


Attaching the control panel



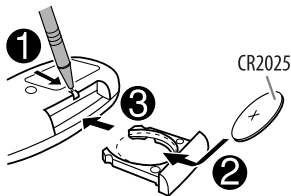
Control panel

Parts identification



- 1 ◀◀ ◻ / ▶▶ ▶ buttons
- 2 ⏻/ATT (standby/on attenuator) button
- 3 ▲ (up) / ▼ (down) buttons
- 4 Loading slot
- 5 Display window
- 6 ▲ (eject) button
- 7 EQ (equalizer) button
- 8 Remote sensor
DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting).
- 9 SRC (source) button
- 10 BAND button
- 11 Control dial
- 12 SEL (select) button
- 13 MO (monaural) button
- 14 SSM (Strong-station Sequential Memory) button
- 15 Number buttons
- 16 RPT (repeat) button
- 17 RND (random) button
- 18 MODE button
- 19 DISP (display) button
- 20 ▲ (control panel release) button
- 21 Disc information indicators—TAG (ID3 Tag), ◻ (folder), 🎵 (track/file)
- 22 Disc type indicators—WMA, MP3
- 23 Playback source indicators—
CH: Lights up only when CD-CH is selected as the playback source.
DISC: Lights up for the built-in CD player.
- 24 Playback mode / item indicators—RND (random), 🎵 (disc), ◻ (folder), RPT (repeat)
- 25 LOUD (loudness) indicator
- 26 EQ (equalizer) indicator
- 27 Sound mode (C-EQ: custom equalizer) indicators—JAZZ, CLASSIC, HIP HOP, POPS, ROCK, USER
- 28 Tr (track) indicator
- 29 Source display / Volume level indicator
- 30 Main display
- 31 Tuner reception indicators—ST (stereo), MO (monaural)

Installing the lithium coin battery (CR2025)



For USA-California Only:

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply.

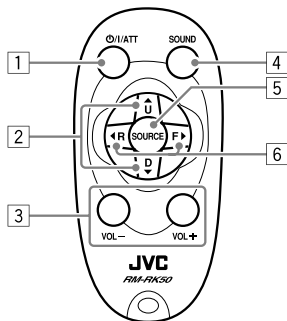
See www.dtsc.ca.gov/hazardouswaste/perchlorate

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

Warning:

- Do not install any battery other than CR2025 or its equivalent; otherwise, it may explode.
- Do not leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time; otherwise, it may explode.
- Store the battery in a place where children cannot reach to avoid risk of accident.
- To prevent the battery from over-heating, cracking, or starting a fire:
 - Do not recharge, short, disassemble, heat the battery, or dispose of it in a fire.
 - Do not leave the battery with other metallic materials.
 - Do not poke the battery with tweezers or similar tools.
 - Wrap the battery with tape and insulate when throwing away or saving it.

Main elements and features



- 1 **⏻/I/ATT** (standby/on/attenuator) button
 - Turns the power on if pressed briefly or attenuates the sound when the power is on.
 - Turns the power off if pressed and held.
- 2 **▲ U (up) / D (down) ▼** buttons
 - Changes the FM/AM bands with ▲ U.
 - Changes the preset stations with D ▼.
 - Changes the folder of the MP3/WMA discs.
 - While playing an MP3 disc on an MP3-compatible CD changer:
 - Changes the disc if pressed briefly.
 - Changes the folder if pressed and held.
 - While listening to the satellite (SIRIUS or XM) radio:
 - Changes the categories.
 - While listening to an Apple iPod® or a JVC D. player:
 - Pauses/stops or resumes playback with D ▼.
 - Enters the main menu with ▲ U.
 (Now ▲ U/D ▼/◀R/F▶ work as the menu selecting buttons.)*
- 3 **VOL – / VOL +** buttons
 - Adjusts the volume level.

* ▲ U : Returns to the previous menu.

D ▼ : Confirms the selection.

Continued on the next page

- 4 **SOUND** button
- Selects the sound mode (C-EQ: custom equalizer).
- 5 **SOURCE** button
- Selects the source.
- 6 ◀ R (reverse) / F (forward) ▶ buttons
- Searches for stations if pressed briefly.
 - Fast-forwards or reverses the track if pressed and held.
 - Changes the tracks if pressed briefly.
 - While listening to the satellite radio:
 - Changes the channels if pressed briefly.
 - Changes the channels rapidly if pressed and held.
 - While listening to an iPod or a D. player (in menu selecting mode):
 - Selects an item if pressed briefly. (Then, press D ▼ to confirm the selection.)
 - Skips 10 items at a time if pressed and held.

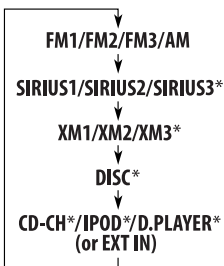
Getting started

Basic operations

1 Turn on the power.



2



* You cannot select these sources if they are not ready or not connected.

3



• For FM/AM tuner



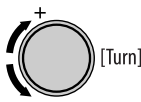
• For SIRIUS radio



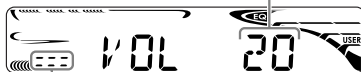
• For XM radio



4 Adjust the volume.



Volume level appears.



Volume level indicator

5 Adjust the sound as you want. (See pages 11 and 12.)

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

To drop the volume in a moment (ATT)

To restore the sound, press it again.



To turn off the power



Basic settings

• See also “General settings — PSM” on pages 12 – 14.

1 [Hold]

2 [Turn]

- 1 **Canceling the display demonstrations**
Select “DEMO,” then “DEMO OFF.”
- 2 **Setting the clock**
Select “CLOCK H” (hour), then adjust the hour.
Select “CLOCK M” (minute), then adjust the minute.

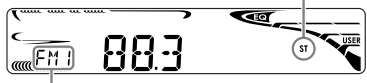
3 **Finish the procedure.**

To check the current clock time when the power is turned off

Radio operations

- 1 → FM1/FM2/FM3/AM →
- 2 → FM1 → FM2 → FM3 → AM ←

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



Selected band appears.

3 **Start searching for a station.**

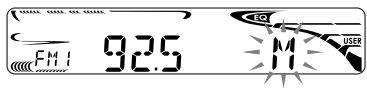


When a station is received, searching stops.
To stop searching, press the same button again.

To tune in to a station manually

In step 3 above...

1 [Hold]



2 **Select a desired station frequency.**



When an FM stereo broadcast is hard to receive

→



Lights up when monaural mode is activated.

Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure. “MONO OFF” appears and the MO indicator goes off.

Storing stations in memory

You can preset six stations for each band.

FM station automatic presetting—SSM (Strong-station Sequential Memory)

- 1 Select the FM band (FM1 – FM3) you want to store into.



- 2
-

- 3
-

“SSM” flashes, then disappears when automatic presetting is over.

Local FM stations with the strongest signals are searched and stored automatically in the FM band.

Manual presetting

Ex.: Storing FM station of 92.5 MHz into preset number 4 of the FM1 band.

- 1
-

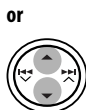
- 2
-

- 3
-

Preset number flashes for a while.

Listening to a preset station

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



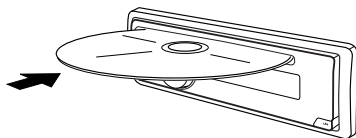
To check the other information while listening to an FM or AM station



Disc operations

Playing a disc in the unit

All tracks will be played repeatedly until you change the source or eject the disc.



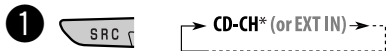
To stop play and eject the disc



Playing discs in the CD changer

All discs in the magazine will be played repeatedly until you change the source.

- Ejecting the magazine will also stop playing.



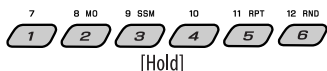
* If you have changed the external input setting to "EXT IN" (see page 14), you cannot select the CD changer.

2 Select a disc.

For disc number from 01 – 06:



For disc number from 07 – 12:



About MP3 and WMA discs

MP3 and WMA "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."

About the CD changer

It is recommended to use a JVC MP3-compatible CD changer with your unit.

- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). These units are not compatible with MP3 discs.
- You cannot play any WMA disc in the CD changer.
- You cannot use the KD-MK series CD changers with this unit.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.
- For connection, see Installation/Connection Manual (separate volume).

To fast-forward or reverse the track




To go to the next or previous tracks



To go to the next or previous folders (only for MP3 or WMA discs)

For MP3 discs:  

For WMA discs: 



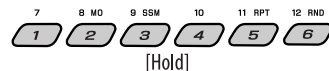
To locate a particular track (for CD) or folder (for MP3 or WMA discs) directly



To select a number from 01 – 06:



To select a number from 07 – 12:



- To use direct folder access on MP3/WMA discs, it is required that folders are assigned with 2-digit numbers at the beginning of their folder names—01, 02, 03, and so on.

To select a particular track in a folder (for MP3 or WMA discs):



Other main functions

■ Skipping tracks quickly during play



**Only possible on JVC
MP3-compatible CD changer**

- For MP3 or WMA discs, you can skip tracks within the same folder.

Ex.: To select track 32 while playing a track whose number is a single digit (1 to 9)



Each time you press the button, you can skip 10 tracks.

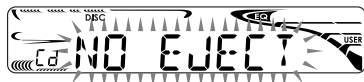
- After the last track, the first track will be selected and vice versa.



■ Prohibiting disc ejection



You can lock a disc in the loading slot.

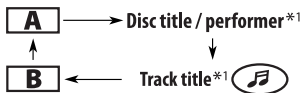


To cancel the prohibition, repeat the same procedure.

Changing the display information

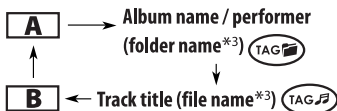


■ While playing an audio CD or a CD Text

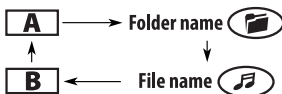


■ While playing an MP3 or a WMA*2 disc

- When "TAG DISP" is set to "TAG ON"
(see page 14)



- When "TAG DISP" is set to "TAG OFF"



- A** : Clock with the current track number
B : Elapsed playing time with the current track number

*1 If the current disc is an audio CD, "NO NAME" appears.

*2 Only for the built-in CD player.

*3 If an MP3/WMA file does not have Tag information, folder name and file name appear. In this case, the TAG indicator will not light up.

Selecting the playback modes

You can use only one of the following playback modes at a time.



2 Select your desired playback mode.

■ Repeat play



Mode Plays repeatedly

TRK RPT : The current track.

FLDR RPT*1 : All tracks of the current folder.

DISC RPT*2 : All tracks of the current disc.

RPT OFF : Cancels.

■ Random play



Mode Plays at random

FLDR RND*1 : All tracks of the current folder, then tracks of the next folder and so on.

DISC RND : All tracks of the current disc.

MAG RND*2 : All tracks of the inserted discs.

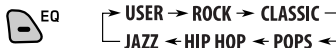
RND OFF : Cancels.

*1 Only while playing an MP3 or a WMA disc.

*2 Only while playing discs in the CD changer.

Sound adjustments

You can select a preset sound mode suitable to the music genre (C-EQ: custom equalizer).

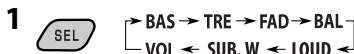


Ex.: When "ROCK" is selected

Preset values	BAS (bass)	TRE (treble)	LOUD (loudness)
USER (Flat sound)	00	00	OFF
ROCK (Rock or disco music)	+03	+01	ON
CLASSIC (Classical music)	+01	-02	OFF
POPS (Light music)	+04	+01	OFF
HIP HOP (Funk or rap music)	+02	00	ON
JAZZ (Jazz music)	+02	+03	OFF

Adjusting the sound

You can adjust the sound characteristics to your preference.



Continued on the next page



Indication [Range]

BAS*¹ (bass)

Adjust the bass. [-06 to +06]

TRE*¹ (treble)

Adjust the treble. [-06 to +06]

FAD*² (fader)

Adjust the front and rear speaker balance. [R06 to F06]

BAL*³ (balance)

Adjust the left and right speaker balance.
[L06 to R06]

LOUD*¹ (loudness)

Boost low and high frequencies to produce a well-balanced sound at low volume level. [LOUD ON or LOUD OFF]

SUB.W*⁴ (subwoofer)

Adjust the subwoofer output level. [00 to 08]

VOL (volume)

Adjust the volume. [00 to 30 or 50*⁵]

*¹ When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."

*² If you are using a two-speaker system, set the fader level to "00."

*³ This adjustment cannot affect the subwoofer output.

*⁴ This takes effect only when a subwoofer is connected. Displayed only when "L/O MODE" is set to "WOOFER" (see page 14).

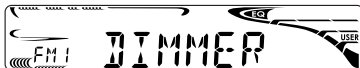
*⁵ Depending on the amplifier gain control setting. (See page 14 for details.)

General settings — PSM

You can change PSM (Preferred Setting Mode) items (except "SID") listed in the table that follows.

1  [Hold]

2 Select a PSM item.



Ex.: When "DIMMER" is selected

3 Adjust the PSM item selected.



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

5 Finish the procedure.



Indication	Item (__ : Initial)	Setting, [reference page]
DEMO Display demonstration	<ul style="list-style-type: none"> • DEMO ON • DEMO OFF 	<ul style="list-style-type: none"> : Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7]. : Cancels.
CLOCK H Hour adjustment	1 – 12	[Initial: 1 (1:00)], [7]
CLOCK M Minute adjustment	00 – 59	[Initial: 00 (1:00)], [7]
CLK ADJ *1 Clock adjustment	<ul style="list-style-type: none"> • AUTO • OFF 	<ul style="list-style-type: none"> : The built-in clock is automatically adjusted using the clock data provided via the satellite radio channel. : Cancels.
T-ZONE *1, *2 Time zone	EASTERN, ATLANTIC, NEWFOUND, ALASKA, PACIFIC, MOUNTAIN, CENTRAL	Select your residential area from one of the following time zones for clock adjustment.
DST *1, *2 Daylight savings time	<ul style="list-style-type: none"> • ON • OFF 	<ul style="list-style-type: none"> : Activates daylight savings time if your residential area is subject to DST. : Cancels.
SID *3 SIRIUS ID	—	<p>The 12-digit SIRIUS identification number scrolls on the display 5 seconds after "SID" is selected, [15].</p> <ul style="list-style-type: none"> • Press SEL to resume the previous display.
DIMMER Dimmer	<ul style="list-style-type: none"> • ON • OFF 	<ul style="list-style-type: none"> : Dims the display illumination. : Cancels.
SCROLL *4 Scroll	<ul style="list-style-type: none"> • ONCE • AUTO • OFF 	<ul style="list-style-type: none"> : Scrolls the disc information once. : Repeats scrolling (at 5-second intervals). : Cancels. • Pressing DISP for more than one second can scroll the display regardless of the setting.

*1 Displayed only when SIRIUS Satellite radio or XM Satellite radio is connected.

*2 Displayed only when "CLK ADJ" is set to "AUTO."

*3 Displayed only when SIRIUS Satellite radio is connected.

*4 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

Indication	Item (__: Initial)	Settings, [reference page]
WOOFER * ⁵ Subwoofer cutoff frequency	<ul style="list-style-type: none"> • LOW • MID • HIGH 	<ul style="list-style-type: none"> : Frequencies lower than 90 Hz are sent to the subwoofer. : Frequencies lower than 135 Hz are sent to the subwoofer. : Frequencies lower than 180 Hz are sent to the subwoofer.
EXT IN * ⁶ External input	<ul style="list-style-type: none"> • <u>CHANGER</u> • EXT IN 	<ul style="list-style-type: none"> : To use a JVC CD changer, [9], a JVC compatible satellite (SIRIUS/XM) tuner, [15], an Apple iPod or a JVC D. player, [18]. : To use any other external component than the above, [20].
L/O MODE Line output mode	<ul style="list-style-type: none"> • <u>REAR</u> • WOOFER 	<ul style="list-style-type: none"> : Select if the both LINE OUT terminals are used for connecting the speakers (through an external amplifier). : Select if the REAR LINE OUT terminals are used for connecting a subwoofer (through an external amplifier).
TAG DISP Tag display	<ul style="list-style-type: none"> • <u>TAG ON</u> • TAG OFF 	<ul style="list-style-type: none"> : Shows the Tag information while playing MP3/WMA tracks, [10]. : Cancels.
AMP GAIN Amplifier gain control	<ul style="list-style-type: none"> • LOW PWR • <u>HIGH PWR</u> 	<ul style="list-style-type: none"> : VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from being damaged.) : VOL 00 – VOL 50
AREA Tuner channel interval	<ul style="list-style-type: none"> • <u>AREA US</u> • AREA SA • AREA EU 	<ul style="list-style-type: none"> : When using in North/Central/South America. AM/FM intervals are set to 10 kHz/200 kHz. : When using in South American countries where FM interval is 100 kHz. AM interval is set to 10 kHz. : When using in any other areas. AM/FM intervals are set to 9 kHz/50 kHz (100 kHz during auto search).

*⁵ Displayed only when "L/O MODE" is set to "WOOFER."

*⁶ Displayed only when one of the following sources is selected—FM, AM, or DISC.

Satellite radio operations

This unit is satellite (SAT) Radio Ready—compatible with both SIRIUS Satellite radio and XM Satellite radio.

Before operating your satellite radio:

- For connection, see Installation/Connection Manual (separate volume).
- Refer also to the Instructions supplied with your SIRIUS Satellite radio or XM Satellite radio.
- *“SIRIUS” and the SIRIUS dog logo are registered trademarks of SIRIUS Satellite Radio Inc.*
- *XM and its corresponding logos are registered trademarks of XM Satellite Radio Inc.*
- *“SAT Radio,” the SAT Radio logo and all related marks are trademarks of SIRIUS Satellite Radio Inc., and XM Satellite Radio, Inc.*

Listening to the satellite radio

Connect either one of the following (separately purchased) to the CD changer jack on the rear of this unit.

- **JVC SIRIUS radio DLP**—Down Link Processor, for listening to the SIRIUS Satellite radio.
- **XMDirect™ Universal Tuner Box using a JVC Smart Digital Adapter**—XMDJVC100 (not supplied), for listening to the XM Satellite radio.

GCI (Global Control Information) update:

- If channels are updated after subscription, updating starts automatically.
“UPDATING” flashes and no sound can be heard.
- Update takes a few minutes to complete.
- During update, you cannot operate your satellite radio.

Activate your SIRIUS subscription after connection:



JVC DLP starts updating all the SIRIUS channels.

Once completed, JVC DLP tunes in to the preset channel, CH184.

3 **Check your SIRIUS ID, see page 13.**

4 **Contact SIRIUS on the internet at <<http://activate.siriusradio.com/>> to activate your subscription, or you can call SIRIUS toll-free at 1-888-539-SIRIUS (7474).**

“SUB UPDT PRESS ANY KEY” scrolls on the display once subscription has been completed.

Activate your XM subscription after connection:

- Only Channel 0, 1, and 247 are available before activation.



XMDirect™ Universal Tuner Box starts updating all the XM channels. “Channel 1” is tuned in automatically.

3 **Check your XM Satellite radio ID labelled on the casing of the XMDirect™ Universal Tuner Box, or tune into “Channel 0” (see page 17).**

4 **Contact XM Satellite radio on the internet at <<http://xmradio.com/activation/>> to activate your subscription, or you can call 1-800-XM-RADIO (1-800-967-2346).**

Once completed, the unit tunes in to one of the available channels (Channel 4 or higher).

Listening to the SIRIUS Satellite radio



3 Select a category.



You can tune in to all the channels of every category by selecting "ALL."
Selecting a particular category (SPORTS, ENTERTAINMENT, etc.) allows you to enjoy only the channels from the selected category.

4 Select a channel for listening.



Holding the button changes the channels rapidly.

- When changing the category or channel, invalid and unsubscribed channels are skipped.

Listening to the XM Satellite radio



3 Select a channel for listening.



Holding the button changes the channels rapidly.

Searching for category/channel

You can search for programs by category (Category Search) or channel number (Channel Search).

- **In Category Search**, you can tune in to the channels of the selected category. Category Search begins from the currently selected channel. The selected channel number flashes on the display.
- **In Channel Search**, you can tune in to all channels (including non-categorised channels).

1 Select a category (Category Search).



- For Channel Search, skip this step.

2 Select a channel for listening.



Current channel number



Ex.: When you select "COUNTRY" for Category Search

If no operation is done for about 15 seconds, Category Search is canceled.

In Channel Search, channel name and channel number appear on the display during search.

- While searching, invalid and unsubscribed channels are skipped.

■ Checking the XM Satellite radio ID

While selecting "XM1," "XM2," or "XM3," select "Channel 0."



The display alternately shows "RADIO ID" and the 8-digit (alphanumeric) ID number.

To cancel the ID number display, select any channel other than "Channel 0."

Storing channels in memory

You can preset six channels for each band.

Ex.: Storing a channel into preset number 4.

1 Tune in to a channel you want.

2 ¹⁰
4 [Hold]



Preset number flashes for a while.

Listening to a preset channel

1 Select either SIRIUS Satellite radio or XM Satellite radio.



2



3 Select the preset channel (1 – 6) you want.



To change the display information while listening to a channel



Clock → Category name → Channel name →
Artist name → Composer name* → Song/
program name/title → (back to the beginning)

* Only for SIRIUS Satellite radio.

iPod® /D. player operations

This unit is ready for operating an Apple iPod or a JVC D. player from the control panel.

Before operating your iPod or D. player:

Connect either one of the following (separately purchased) to the CD changer jack on the rear of this unit.

- **Interface adapter for iPod®**—KS-PD100 for controlling an iPod.
 - **D. player interface adapter**—KS-PD500 for controlling a D. player.
- For connection, see Installation/Connection Manual (separate volume).
 - For details, refer also to the manual supplied with the interface adapter.

Caution:

Make sure to turn off this unit or turn off the vehicle's ignition switch before connecting or disconnecting the iPod or D. player.

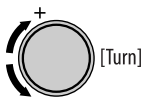
Preparations:

Make sure "CHANGER" is selected for the external input setting, see page 14.






Playback starts automatically from where it has been paused*1 or stopped*2 previously.

3 Adjust the volume.



4 Adjust the sound as you want. (See pages 11 and 12.)

- Make sure the equalizer on the iPod or D. player is deactivated.

To pause*1 or stop*2 playback To resume playback, press it again.	
To fast-forward or reverse the track	 [Hold]
To go to the next or previous tracks	

*1 For iPod

*2 For D. player

Selecting a track from the menu

1 Enter the main menu.



Now the ▲/▼/◀◀/▶▶/⏪/⏩ buttons work as the menu selecting buttons*3.

2 Select the desired menu.



For iPod:

PLAYLIST ↔ ARTISTS ↔ ALBUMS ↔ SONGS
 ↔ GENRES ↔ COMPOSER ↔ (back to the beginning)

For D. player:

PLAYLIST ↔ ARTIST ↔ ALBUM ↔ GENRE
 ↔ TRACK ↔ (back to the beginning)

3 Confirm the selection.



To move back to the previous menu, press ▲.

- If a track is selected, playback starts automatically.
- If the selected item has another layer, you will enter the layer. Repeat steps 2 and 3 until the desired track is played.
- Holding ◀◀ ◻ / ▶▶ ▶ can skip 10 items at a time.

*3 The menu selecting mode will be canceled:

- If no operations are done for about 5 seconds.
- When you confirm the selection of a track.

Selecting the playback modes

1



2 Select your desired playback mode.

■ Repeat play



ONE RPT

Functions the same as "Repeat One" of the iPod or "Repeat Mode → One" for the D. player.

ALL RPT

Functions the same as "Repeat All" of the iPod or "Repeat Mode → All" for the D. player.

RPT OFF

Cancels.

■ Random play



ALBM RND*4

Functions the same as "Shuffle Albums" of the iPod.

SONG RND/RND ON

Functions the same as "Shuffle Songs" of the iPod or "Random Play → On" of the D. player.

RND OFF

Cancels.

*4 For iPod: Only if you select "ALL" in "ALBUMS" of the main "MENU."

To check other information while listening to an iPod or a D. player

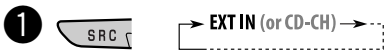


Other external component operations

You can connect an external component to the CD changer jack on the rear using the Line Input Adapter—KS-U57 (not supplied) or AUX Input Adapter—KS-U58 (not supplied).

- For connection, see Installation/Connection Manual (separate volume).

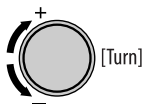
For listening to the satellite radio, iPod, or D. player, refer to pages 15 – 19.



If “EXT IN” does not appear, see page 14 and select the external input (“EXT IN”).

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

3 Adjust the volume.



4 Adjust the sound as you want. (See pages 11 and 12.)

To check the other information while listening to an external component



Clock ↔ EXT IN

More about this unit

Basic operations

Turning on the power

- By pressing SRC on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

- 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.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and stations are stored newly.
 - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
 - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a “DualDisc” does not comply with the “Compact Disc Digital Audio” standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA formats.
- When a disc had been loaded, selecting “DISC” for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, the disc automatically ejects.
- Do not insert 8 cm (3-3/16") discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a disc

- While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This unit can play back only files of the same type which are first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation occurs on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
 - CD-R/CD-RW on which the files are written with "Packet Write" method.
 - There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or a 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 humidities may cause malfunctions or damage to the unit.

Playing an MP3/WMA disc

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
 - Bit rate: 8 kbps — 320 kbps
 - Sampling frequency:
 - 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
 - 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
 - Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo: up to 128 characters
 - Joliet: up to 64 characters
 - Windows long file name: up to 128 characters
- This unit can play back files recorded in VBR (variable bit rate).

Files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.
- This unit can recognize a total of 512 files, of 200 folders, and of 8 hierarchies.

- This unit cannot play back the following files:
 - MP3 files encoded with MP3i and MP3 PRO format.
 - MP3 files encoded in an inappropriate format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded with lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - Files which have the data such as WAVE, ATRAC3, etc.
- The search function works but search speed is not constant.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
Next time you select “DISC” for the playback source, disc play starts from where it has been stopped previously.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (Disc will not play this time.)

General settings—PSM

- If you change the “AMP GAIN” setting from “HIGH PWR” to “LOW PWR” while the volume level is set higher than “VOL 30,” the unit automatically changes the volume level to “VOL 30.”

Satellite radio operations

- You can also connect the JVC SIRIUS radio PnP (Plug and Play), using the JVC SIRIUS radio adapter, KS-U100K (not supplied) to the CD changer jack on the rear.
By turning on/off the power of the unit, you can turn on/off the JVC PnP. However, you cannot control it from this unit.

- To know more about SIRIUS Satellite radio or to sign up, visit «<http://www.sirius.com>».
- For the latest channel listings and programming information, or to sign up for XM Satellite radio, visit «<http://www.xmradio.com>».

iPod or D. player operations

- When you turn on this unit, the iPod or D. player is charged through this unit.
- While the iPod or D. player is connected, all operations from the iPod or D. player are disabled. Perform all operations from this unit.
- The text information may not be displayed correctly.
 - Some characters such as accented letters cannot be shown correctly on the display.
 - Depends on the condition of communication between the iPod or D. player and the unit.
- If the text information includes more than 8 characters, it scrolls on the display (see also page 13). This unit can display up to 40 characters.

Notice:

When connecting an iPod or a D. player, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:

For iPod users: <<http://www.jvc.co.jp/english/car/support/ks-pd100/index.html>>

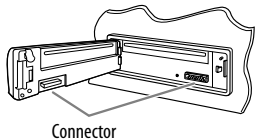
For D. player users: <<http://www.jvc.co.jp/english/car/support/ks-pd500/index.html>>

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

Maintenance

How to clean the connectors

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



Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

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

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

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.

Center holder



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

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 play correctly.

If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

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.

Do not use the following discs:



Sticker residue



Stick-on label

Troubleshooting

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

	Symptoms	Remedies/Causes
General	<ul style="list-style-type: none"> • Sound cannot be heard from the speakers. 	<ul style="list-style-type: none"> • Adjust the volume to the optimum level. • Check the cords and connections.
	<ul style="list-style-type: none"> • The unit does not work at all. 	Reset the unit (see page 3).
FM/AM	<ul style="list-style-type: none"> • SSM automatic presetting does not work. 	Store stations manually.
	<ul style="list-style-type: none"> • Static noise while listening to the radio. 	Connect the antenna firmly.
Disc playback	<ul style="list-style-type: none"> • Disc cannot be played back. 	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. 	<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.
	<ul style="list-style-type: none"> • Disc can be neither played back nor ejected. 	<ul style="list-style-type: none"> • Unlock the disc (see page 10). • Eject the disc forcibly (see page 3).
	<ul style="list-style-type: none"> • Disc sound is sometimes interrupted. 	<ul style="list-style-type: none"> • Stop playback while driving on rough roads. • Change the disc. • Check the cords and connections.
	<ul style="list-style-type: none"> • "NO DISC" appears on the display. 	Insert a playable disc into the loading slot.
MP3/WMA playback	<ul style="list-style-type: none"> • Disc cannot be played back. 	<ul style="list-style-type: none"> • Use a disc with MP3/WMA tracks recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. • Add the extension code <.mp3> or <.wma> to the file names.
	<ul style="list-style-type: none"> • Noise is generated. 	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	<ul style="list-style-type: none"> • A longer readout time is required ("CHECK" keeps flashing on the display). 	Do not use too many hierarchies and folders.

	Symptoms	Remedies/Causes
MP3/WMA playback	• Tracks do not play back in the order you have intended them to play.	Playback order is determined when the files are recorded.
	• Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.
	• "NO FILES" appears on the display.	Insert a disc that contains MP3/WMA tracks.
	• Correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols.
CD changer	• "NO DISC" appears on the display.	Insert a disc into the magazine.
	• "NO MAG" appears on the display.	Insert the magazine.
	• "RESET 8" appears on the display.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	• "RESET 1" – "RESET 7" appears on the display.	Press the reset button of the CD changer.
	• The CD changer does not work at all.	Reset the unit (see page 3).
Satellite radio	• "CALL 1-888-539-SIRIUS TO SUBSCRIBE" scrolls on the display while listening to the SIRIUS Satellite radio.	Starts subscribing SIRIUS Satellite radio (see page 15).
	• No sound can be heard. "UPDATING" appears on the display.	The unit is updating the channel information and it takes a few minutes to complete.
	• Either "NO SIGNAL" scrolls or "NO SIGNAL" appears on the display.	Move to an area where signals are stronger.
	• Either "NO ANTENNA" scrolls or "ANTENNA" appears on the display.	Connect the antenna firmly.
	• "NO CH" appears on the display for about 5 seconds, then returns to the previous display while listening to the SIRIUS Satellite radio.	No broadcast on the selected channel. Select another channel or continue listening to the previous channel.
	• "NO (information)*" scrolls on the display while listening to the SIRIUS Satellite radio. • "---" appears on the display while listening to the XM Satellite radio.	No text information for the selected channel.

* NO CATEGORY, NO ARTIST, NO COMPOSER, and NO SONG/PROGRAM

Continued on the next page

	Symptoms	Remedies/Causes
Satellite radio	<ul style="list-style-type: none"> • “---” appears on the display for about 2 seconds, then returns to the previous channel while listening to the XM Satellite radio. 	Selected channel is no longer available or is unauthorized. Select another channel or continue listening to the previous channel.
	<ul style="list-style-type: none"> • “OFF AIR” appears on the display while listening to the XM Satellite radio. 	Selected channel is not broadcasting at this time. Select another channel or continue listening to the previous channel.
	<ul style="list-style-type: none"> • “LOADING” appears on the display while listening to the XM Satellite radio. 	The unit is loading the channel information and audio. Text information are temporarily unavailable.
	<ul style="list-style-type: none"> • “RESET 8” appears on the display. • Satellite radio does not work at all. 	Reconnect this unit and the satellite radio correctly, then reset the unit.
iPod/D. player playback	<ul style="list-style-type: none"> • The iPod or D. player does not turn on or does not work. 	<ul style="list-style-type: none"> • Check the connecting cable and its connection. • Update the firmware version. • Change the battery.
	<ul style="list-style-type: none"> • Buttons do not work as intended. 	The functions of the buttons have been changed. Press MODE before performing the operation.
	<ul style="list-style-type: none"> • The sound is distorted. 	Deactivate the equalizer either on the unit or the iPod/D. player.
	<ul style="list-style-type: none"> • “NO IPOD” or “NO DP” appears on the display. 	Check the connecting cable and its connection.
	<ul style="list-style-type: none"> • Playback stops. 	The headphones are disconnected during playback. Restart the playback operation using the control panel (see page 18).
	<ul style="list-style-type: none"> • No sound can be heard when connecting an iPod nano. 	Disconnect the headphones from the iPod nano.
	<ul style="list-style-type: none"> • No sound can be heard. • “ERROR 01” appears on the display when connecting a D. player. 	Disconnect the adapter from the D. player. Then, connect it again.
	<ul style="list-style-type: none"> • “NO FILES” or “NO TRACK” appears on the display. 	No tracks are stored. Import tracks to the iPod or D. player.
	<ul style="list-style-type: none"> • “RESET 1” – “RESET 7” appears on the display. 	Disconnect the adapter from both the unit and iPod/D. player. Then, connect it again.
	<ul style="list-style-type: none"> • “RESET 8” appears on the display. 	Check the connection between the adapter and this unit.
<ul style="list-style-type: none"> • The iPod’s or D. player’s controls do not work after disconnecting from this unit. 	Reset the iPod or D. player.	

Specifications

AUDIO AMPLIFIER SECTION

Power Output:

18 W RMS \times 4 Channels at
4 Ω and \leq 1% THD+N

Signal to Noise Ratio:

80 dBA (reference: 1 W into 4 Ω)



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

Tone Control Range:

Bass: \pm 10 dB at 100 Hz

Treble: \pm 10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Line-Out Level/Impedance:

2.5 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)

Other Terminal: CD changer

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 107.9 MHz

(with channel interval set to 100 kHz or
200 kHz)

87.5 MHz to 108.0 MHz

(with channel interval set to 50 kHz)

AM: 530 kHz to 1 710 kHz

(with channel interval set to 10 kHz)

531 kHz to 1 602 kHz

(with channel interval set to 9 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: 35 dB

[AM Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

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 (32°F to 104°F)

Dimensions (W \times H \times D):

Installation Size (approx.):

182 mm \times 52 mm \times 150 mm

(7-3/16" \times 2-1/16" \times 5-15/16")

Panel Size (approx.):

188 mm \times 58 mm \times 11 mm

(7-7/16" \times 2-5/16" \times 7/16")

Mass (approx.):

1.4 kg (3.1 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.



Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

Still having trouble??

USA ONLY

Call 1-800-252-5722

<http://www.jvc.com>

We can help you!

JVC



EN, SP

© 2006 Victor Company of Japan, Limited

0706DTSMDTJEIN

JVC KD-S33

Installation/Connection Manual

Manual de instalación/conexión

GET0401-002A
[J]

0706DTSMDTJEIN
EN, SP
© 2006 Victor Company of Japan, Limited

ENGLISH

PREPARATIONS

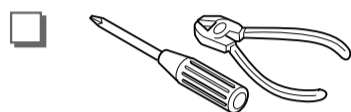
You need the installation kits which corresponds to your car.

- Mark all the check boxes (☑) to make sure you have follow the instructions and the listed parts.

Check the battery system in your car



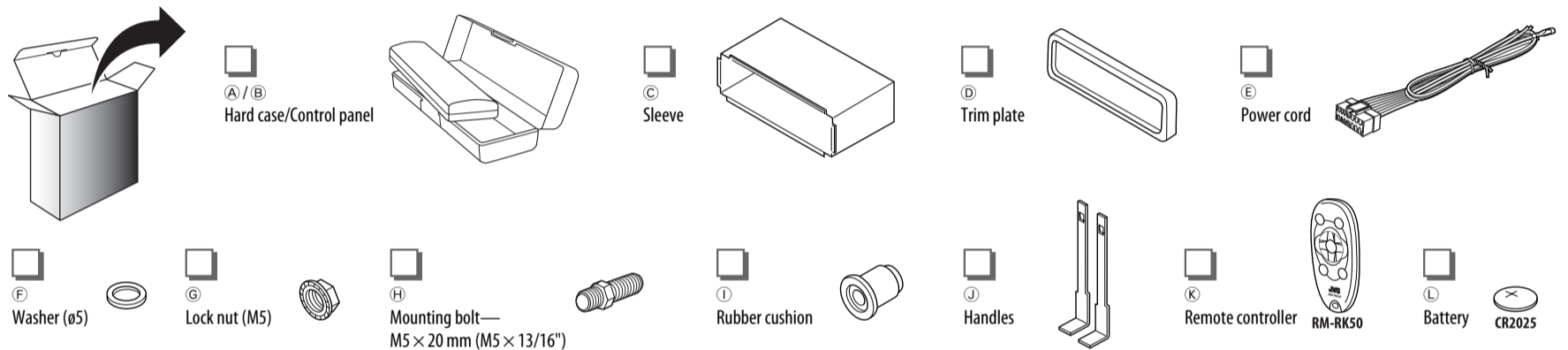
Prepare this before installation



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?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

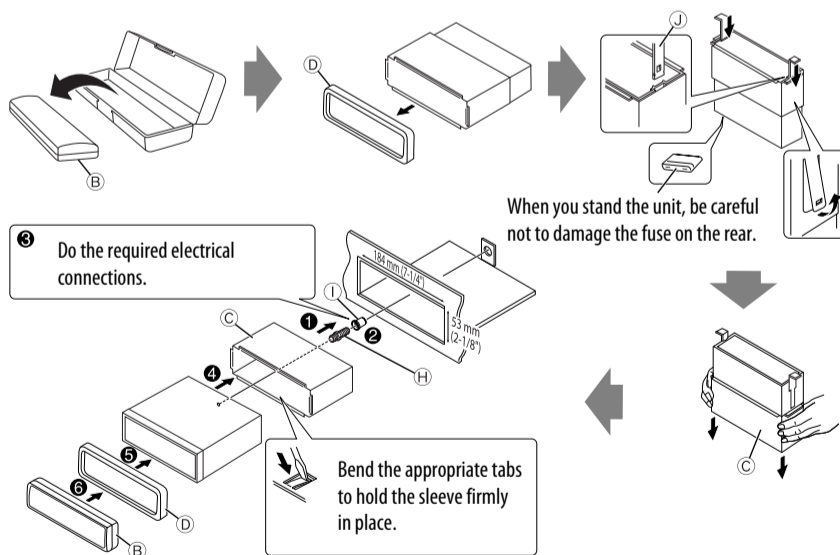
Parts list for installation and connection



INSTALLATION

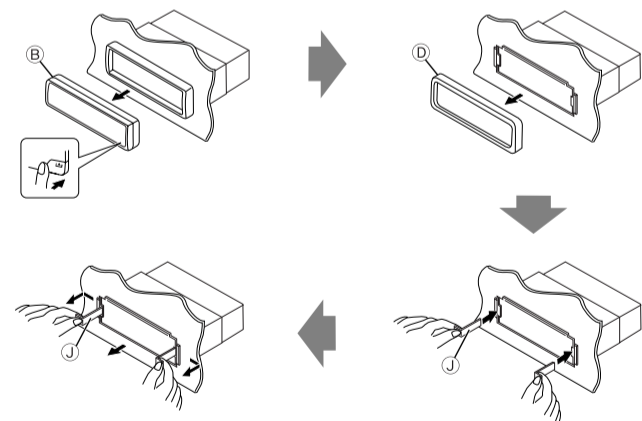
- If you are not sure how to install this unit correctly, consult your JVC car audio dealer.

In dash-mounting

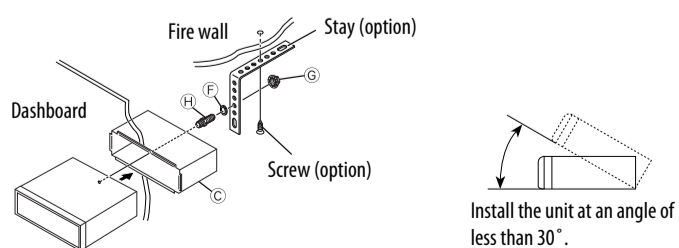


Removing the unit

Before removing the unit, release the rear section.

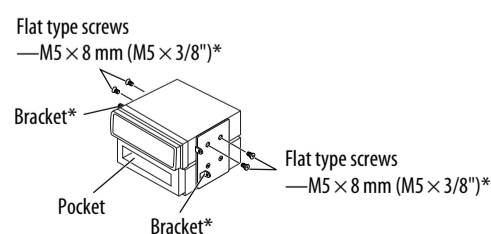


When using the optional stay

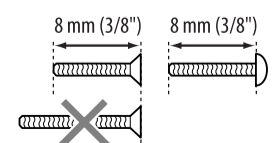


When installing the unit without using the sleeve

In a Toyota car for example, first remove the car radio and install the unit in its place.



* Not supplied for this unit.



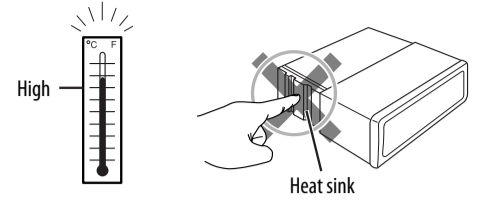
ELECTRICAL CONNECTIONS

Make sure to disconnect the battery's negative terminal.

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

Note:

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 14 of the INSTRUCTIONS).



Typical connections

PRECAUTIONS on power supply and speaker connections

Connecting the external amplifiers and/or subwoofer

Set "L/O MODE" to "REAR" (See page 14 of the INSTRUCTIONS.)

or

Set "L/O MODE" to "WOOFER" (See page 14 of the INSTRUCTIONS.)

*1 Not supplied for this unit.
 *2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise power cannot be turned on.
 *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.
 *4 Signal cord (not supplied for this unit).

Connecting the external components

(A) JVC CD changer, SIRIUS Satellite radio, XM Satellite radio, Apple iPod®, or JVC D. player

Set "CHANGER" for the external input setting (See page 14 of the INSTRUCTIONS.)

CAUTION:
Before connecting the external components, make sure that the unit is turned off.

• For listening to the XM Satellite radio, you can also connect XMDirect™ Universal Tuner Box (separately purchased) through this unit using JVC Smart Digital Adapter—XMDJVC100 (not supplied).

• For listening to the SIRIUS Satellite radio, connect a JVC DLP—Down Link Processor (separately purchased) to this unit.
 • The iPod® or D. player (separately purchased) can be connected using an interface adapter (not supplied)—KS-PD100 (for iPod) or KS-PD500 (for D. player).

(B) JVC PnP (Plug and Play)

Set "EXT IN" for the external input setting (See page 14 of the INSTRUCTIONS.)

You can also connect JVC PnP through this unit using JVC SIRIUS radio adapter, KS-U100K (not supplied).

• Turning on/off the unit can also turns on/off the JVC PnP.

Connection 1 (integrated connection)

Connection 2 (alternative connection)

*5 iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.
 *6 Signal cord supplied with your JVC CD changer or DLP.

(C) Other external component

You can also connect an external component through this unit using Line Input Adapter, KS-U57 (not supplied) or AUX Input Adapter, KS-U58 (not supplied).