

# JVC



CD RECEIVER

KD-LH1000

ENGLISH

CD 收音組合機

KD-LH1000

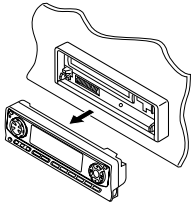
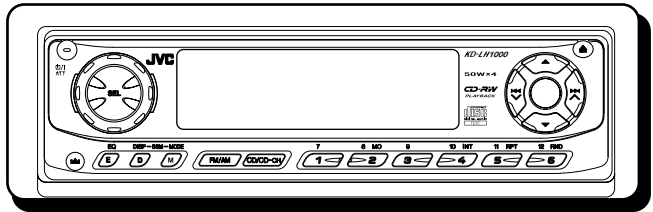
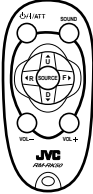
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ถอดใส่ซีดี

KD-LH1000

ไทย

## KD-LH1000



This unit is equipped with the display demonstration. To cancel it, see page 9.

對本機具有顯示演示功能。要取消該功能，請參見第 9 頁。

เครื่องนี้ได้รับการติดตั้งการสาธิตภาพประกอบ หากต้องการยกเลิก โปรดดู หน้า 9

For installation and connections, refer to the separate manual.

有關安裝和連接方法，分別參閱操作手冊。

กรุณาดูคู่มือที่แยกต่างหาก ในการติดตั้งและการเชื่อมต่อ



# INSTRUCTIONS

## 使用說明書

### คำแนะนำ

## IMPORTANT FOR LASER PRODUCTS

### Precautions:

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user-serviceable parts inside. Leave all servicing to qualified service personnel.
4. **CAUTION:** This CD player uses invisible laser radiation, however, is equipped with safety switches to prevent radiation emission when unloading CDs. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### Caution:

*If the temperature inside the car is below 0° C, the movement of source animation and text scroll will be halted on the display to prevent the display from being blurred. When the temperature increases, and the operating temperature is resumed, these functions will be start working again.*

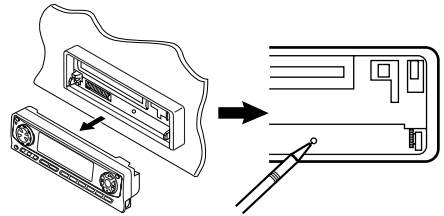
### How to reset your unit

After detaching the control panel, press the reset button on the panel holder 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.*



### 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.*

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.

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## How to use the MODE (M) button:

If you press MODE (M), the unit goes into functions mode and the number buttons work as different function buttons.



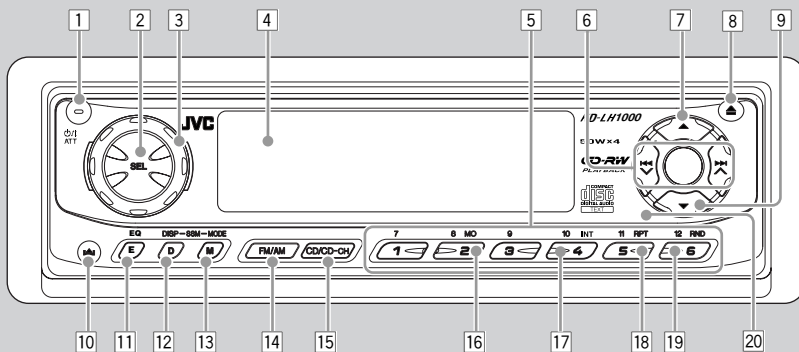
To use these buttons as number buttons again after pressing MODE (M), wait for 5 seconds without pressing any number button until the functions mode is cleared.

- Pressing MODE (M) again also clears the functions mode.



# LOCATION OF THE BUTTONS

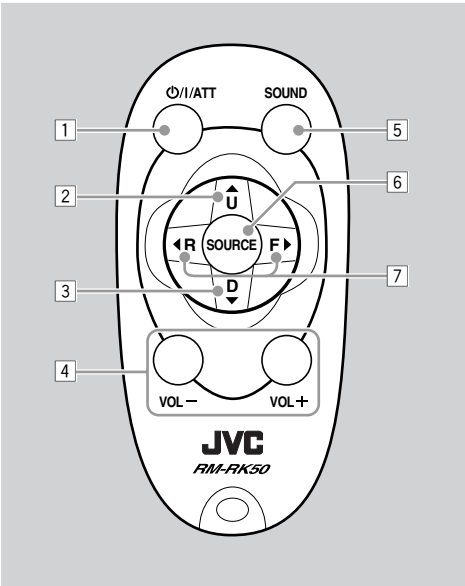
## Control panel



- 1  $\phi$ /I ATT (standby/on/attenuator) button
- 2 SEL (select) button
- 3 Control dial
- 4 Display window
- 5 Number buttons
- 6  $\lll$   $\nabla$  /  $\ggg$   $\blacktriangle$  buttons
- 7  $\blacktriangle$  (up) button
- 8  $\blacktriangle$  (eject) button
- 9  $\blacktriangledown$  (down) button
- 10  $\blacktriangle$  (control panel release) button
- 11 EQ (E) (equalizer) button
- 12 DISP (D) (display) button
  - Also functions as SSM buttons when pressed together with MODE (M) button.
- 13 MODE (M) button
  - Also functions as SSM buttons when pressed together with DISP (D) (display) button.
- 14 FM/AM button
- 15 CD/CD-CH button
- 16 MO (monaural) button
- 17 INT (intro) button
- 18 RPT (repeat) button
- 19 RND (random) button
- 20 Remote sensor



## Remote controller



- 1 • Turns on the unit if pressed when the unit is turned off.
  - Turns off the unit if pressed and held for a few seconds.
  - 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. Each time you press the button, the band changes.
  - Skips to the next disc while listening to the CD changer. Each time you press the button, the disc number increases, and the selected disc starts playing.
- 3 • Selects the preset stations while listening to the radio. Each time you press the button, the preset station number increases, and the selected station is tuned in.
  - Skips to the previous disc while listening to the CD changer. Each time you press the button, the disc number decreases, and the selected disc starts playing.
- 4 Functions the same as the control dial on the main unit.

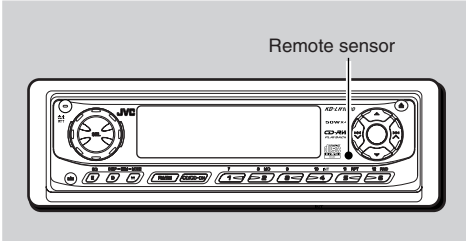
**Note:**  
*These buttons do not function for the preferred setting mode adjustment.*
- 5 Selects the sound (iEQ) mode. Each time you press the button, the sound (iEQ) mode changes.
- 6 Selects the source. Each time you press the button, the source changes.
- 7 • Searches stations while listening to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



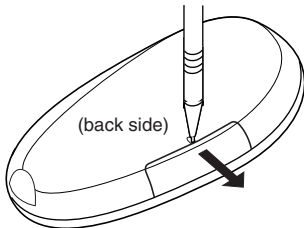
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

### Installing the battery

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

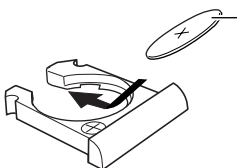
#### 1. Remove the battery holder.

- 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.

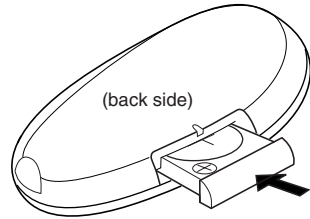
Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.



Lithium coin battery  
(product number:  
CR2025)

#### 3. Return the battery holder.

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

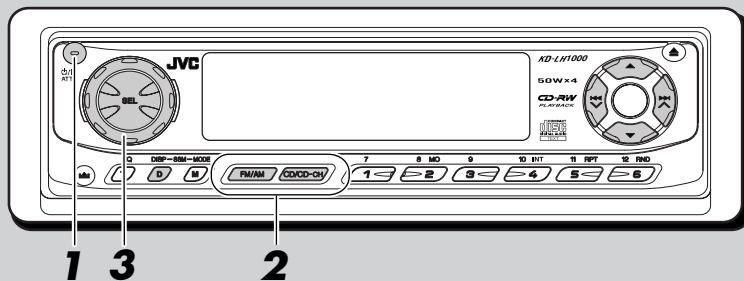


#### WARNING:

- 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 – 14.

To play a CD, see pages 15 – 18.

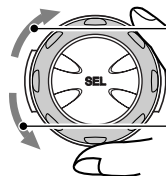
To operate the CD changer, see pages 30 – 33.

To operate the external component (Line In), see page 34.

#### 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.

### 3 Adjust the volume.



To increase the volume.

To decrease the volume.



Volume level appears

### 4 Adjust the sound as you want. (See pages 19 – 22.)



## To drop the volume in a moment

Press **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 **ATT** for more than one second.

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

### Note:

When you use this unit for the first time, set the built-in clock correctly, see page 23.

## Changing the display pattern

You can change the display pattern.

The number of the selectable display patterns varies according to the playback sources.

However, the unit basically provides three main display patterns for each source, and once one of these three patterns is selected, the same pattern is used for all the sources.

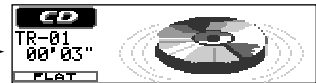
### Press DISP (D).



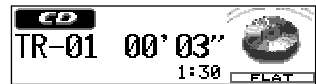
Each time you press the button, the display patterns change as follows.

EX.: When playing a CD

### Large animation display



### Small animation displays\*



### Clock time display



\* Small animation displays are used for showing not only the source's main information (illustrated on this page as examples), but also showing some other information. For details, see each related section.

In this manual, the illustrations of the display are mainly of the large animation display (initial setting). If you have changed the display patterns or some PSM items, the actual displays you see will be different.

### Note:

While playing a source, you can also show the level meter on the display. For details, see "Activating the level meter" on page 22.






## Canceling the display demonstration

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

- It is recommended to cancel the 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 “Movie Demo” appears on the display.  
(PSM: see page 24.)

A circular diagram of a control panel with a central button labeled 'SEL'. A hand is shown pressing the button.

**2** Select “Off.”

A circular diagram of a control panel with a central button labeled 'SEL'. A hand is shown rotating the button counter-clockwise, indicated by curved arrows.

**3** Press SEL (select) to finish the setting.

A circular diagram of a control panel with a central button labeled 'SEL'. A hand is shown pressing the button.

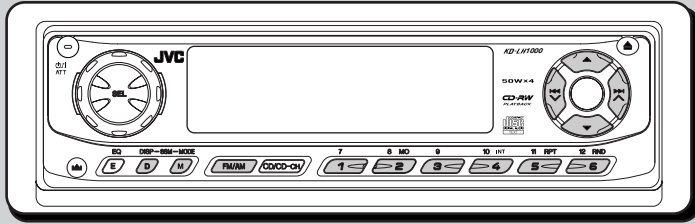
To activate the display demonstration, repeat the same procedure and select “Interval” or “All Time” in step 2.

- For more details, see “To set the movie demo—MovieDemo” on page 25.



# RADIO OPERATIONS

ENGLISH

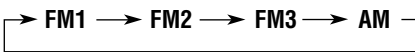


## Listening to the radio

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

### Searching a station automatically: Auto search

#### 1 Select the band (FM1 – 3, AM).

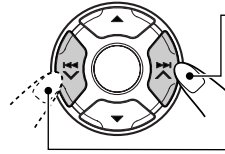


Last received station of the selected band is tuned in.

**Note:**

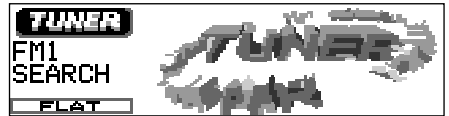
*This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.*

#### 2 Start searching a station.



Press **▶▶** **▲** to search stations of higher frequencies.

Press **◀◀** **▼** to search stations of lower frequencies.



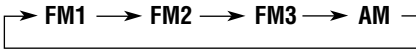
Ex.: When the band is FM

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 a station manually: Manual search

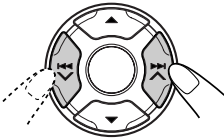
### 1 Select the band (FM1 – 3, AM).



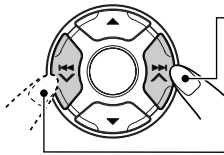
**Note:**

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 “Manual Search” starts flashing on the display.



### 3 Tune in to a station you want while “Manual Search” is flashing.



Press **▶▶|▲** to tune in to stations of higher frequencies.

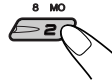
Press **◀◀|▼** to tune in to stations of lower frequencies.

- 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 intervals for AM) until you release the button.

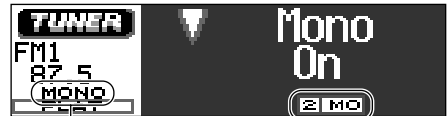
## When an FM stereo broadcast is hard to receive:



- 1 Press MODE (M) to enter the functions mode while listening to an FM stereo broadcast. “Mode” appears on the display.



- 2 Press MO (monaural), while “Mode” is still on the display, so that the MO indicator is highlighted on the display. Each time you press MO, “Mono On” and “Mono Off” alternately appears.



MONO indicator

Mono On

MO

MO indicator



“STEREO” is lit when receiving an FM broadcast in stereo.

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

### If the sound quality decreases and the stereo effect is lost while listening to an FM station

In some areas, adjacent stations may interfere with each other. If this interference occurs, this unit can automatically reduce this interference noise (the initial setting when shipped from the factory). However, in this case, the sound quality will be degraded and the stereo effect will be also lost.

If you do not want to degrade the sound quality and to lose the stereo effect, rather than to eliminate the interference noise, see “To change the FM tuner selectivity — IF Filter” on page 25.



## Storing stations in memory

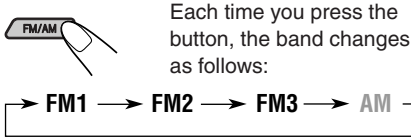
You can use one of the following two methods to store broadcasting stations in memory.

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

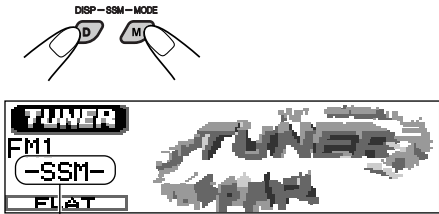
### FM station automatic preset: SSM

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.**



- 2 Press and hold both buttons for more than 2 seconds.**



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

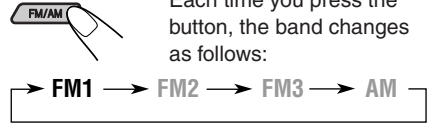
Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3). These stations are preset in the number buttons — No.1 (lowest frequency) to No.6 (highest frequency). When automatic preset is over, the station stored in number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

## Manual preset

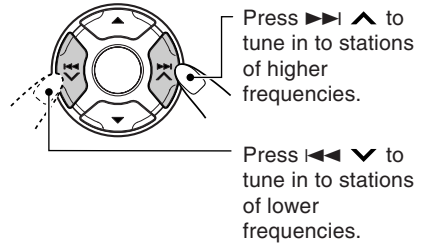
You can preset up to 6 stations in each band (FM1, FM2, FM3 and AM) manually.

Ex.: Storing an FM station of 88.3 MHz into the preset number 1 of the FM1 band.

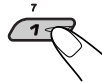
- 1 Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).**



- 2 Tune in to a station (in this example, of 88.3 MHz).**



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



The display pattern automatically changes to the small animation display and the preset number flashes (then the previous display pattern resumes).

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

**Note:**

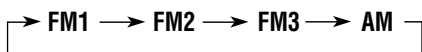
A previously preset station is erased when a new station is stored in the same preset number.

## Tuning in to a preset station

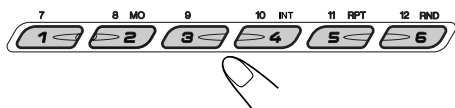
You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on page 12.

### Selecting a preset station directly

**1** Select the band (FM1 – 3, AM).



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



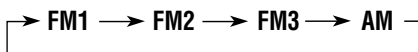
**Note:**

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

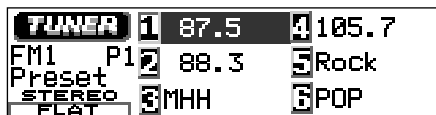
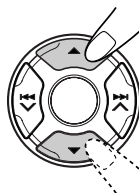
### Selecting a preset station using the preset station list

If you forget what stations are stored in what preset numbers, you can check the preset station list, then select your desired station on the list.

**1** Select the band (FM1 – 3, AM).



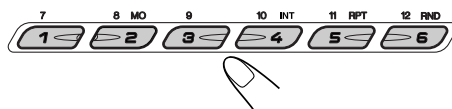
**2** Press and hold ▲ (up) or ▼ (down) until the preset station list for the current band (FM1, FM2, FM3, or AM) appears on the display.



**Notes:**

- If one of FM band preset station lists (FM1, FM2, or FM3) is shown on the display, you can show the other lists by pressing ▲ or ▼.
- If a name has been assigned to a station (see page 28), it will be shown instead of the station frequency.

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



## Changing the display pattern

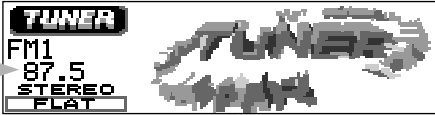
By pressing DISP (D), you can change the information shown on the display.

Each time you press the button, the display patterns change as follows:



- When receiving an AM or FM station

Large animation display



Small animation display



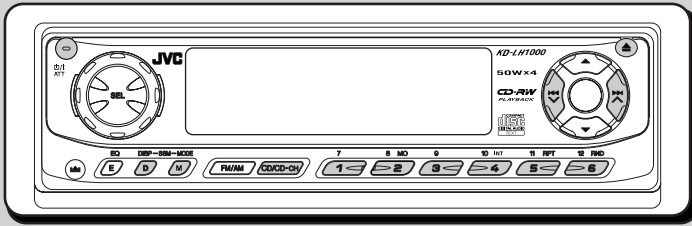
If a name has been assigned to a station it will be shown instead of "NO NAME."

Small animation display



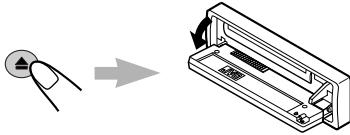
Clock time display



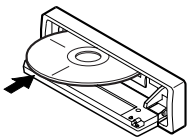


## Playing a CD

### 1 Open the control panel.

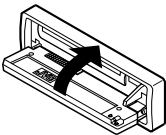


### 2 Insert a disc into the loading slot.



The unit turns on, draws a disc and starts playback automatically.

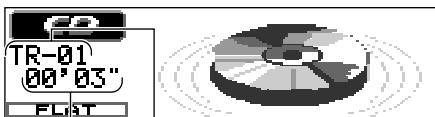
### 3 Close the control panel by hand.



The opening display then source name appears first....



Total track number/total playing time



Current track  
Elapsed playing time

All tracks will be played repeatedly until you stop playback.

#### Notes:

- When a disc is already in the loading slot, selecting "CD" as the source starts CD play.
- When a disc is inserted upside down, the disc automatically ejects (if the control panel is open). If the control panel is closed, "Please Eject" appears.
- If you change the source, CD play also stops (without ejecting the disc).  
Next time you select "CD" as the source, CD play starts from where playback has been stopped previously.

## To stop play and eject the disc

Press ▲.

CD play stops, the control panel opens, then the disc automatically ejects from the loading slot. If you change the source, the CD play also stops (without ejecting the disc this time).

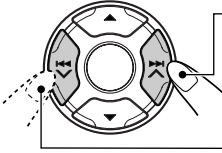
#### Notes:

- 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. (CD 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

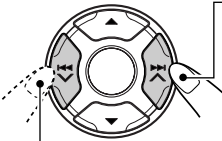
## To fast-forward or reverse the track



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

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

## To go to the next or previous tracks

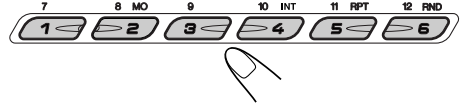


Press **▶▶▲** briefly, while playing a disc, to go ahead to the beginning of the next track.

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

Press **◀◀▼** briefly, while playing a disc, 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 1 second.

## Selecting CD playback modes

### To play back tracks at random (Random Play)

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



- 1 Press MODE (M) to enter the functions mode while playing a disc. "Mode" appears on the display.



- 2 Press RND (random), while "Mode" is still on the display, so that the RND indicator is highlighted on the display. Each time you press RND, "Random On" or "Random Off" alternately appears.



RANDOM indicator

RND indicator is highlighted when "Random On" is selected.

When Random Play is turned on, the RANDOM indicator lights up on the display and a track randomly selected starts playing.



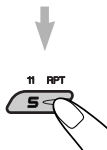


## To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.



- 1 Press MODE (M) to enter the functions mode while playing a disc. "Mode" appears on the display.



- 2 Press RPT (repeat), while "Mode" is still on the display, so that the RPT indicator is highlighted on the display. Each time you press RPT, "Repeat On" or "Repeat Off" alternately appears.



REPEAT indicator

RPT indicator is highlighted when "Repeat On" is selected.

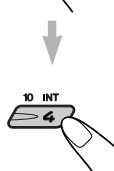
When Repeat Play is turned on, the REPEAT indicator lights up on the display.

## To play back only intros (Intro Scan)

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



- 1 Press MODE (M) to enter the functions mode while playing a disc. "Mode" appears on the display.



- 2 Press INT (intro), while "Mode" is still on the display, so that the INT indicator is highlighted on the display. Each time you press INT, "Intro On" or "Intro Off" alternately appears.



INTRO indicator

INT indicator is highlighted when "Intro On" is selected.

When Intro Scan is turned on, the INTRO indicator lights up on the display.

## Prohibiting CD ejection

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

**While pressing CD/CD-CH, press and hold 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,** press ATT again for more than 2 seconds, while pressing CD/CD-CH.

"Eject OK" flashes on the display for about 5 seconds, and the disc is unlocked.



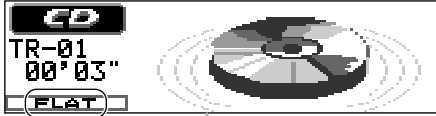
# Changing the display pattern

By pressing DISP (D), you can change the information shown on the display.

Each time you press the button, the display patterns change as follows:

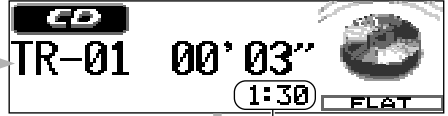


Large animation display



iEQ mode (see page 20)

Small animation display 1

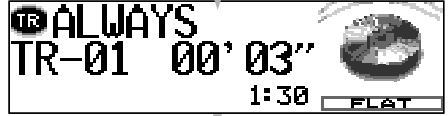


Clock time

Small animation display 2



Small animation display 3



Small animation display 4



Clock time display



### Notes:

- When the disc title/performer is shown, the DISC indicator lights up. When the track title is shown, the TR indicator lights up.
- If the information cannot be shown at a time, it will scroll on the display.  
Some characters or symbols will not be shown (will be blanked or substituted) on the display.
- If no name or assigned to the audio CD, "NO NAME" will appear.  
To assign a name to a conventional CD, see page 28.
- If no disc title/performer or no track title is recorded for the CD Text, "NO NAME" will appear.



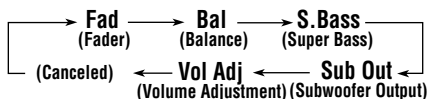
## Adjusting the sound

You can adjust the sound characteristics to your preference.

### 1 Select the item you want to adjust.

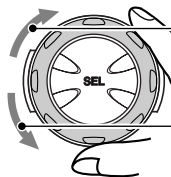


Each time you press the button, the adjustable items change as follows:



| Indication | To do:   | Range                                       |
|------------|--|---|
| Fad*1      | Adjust the front and rear speaker balance.                     | R06 (Rear only)<br> <br>F06 (Front only)    |
| Bal        | Adjust the left and right speaker balance.                     | L06 (Left only)<br> <br>R06 (Right only)    |
| S. Bass*2  | Adjust the bass.   | 00 (min.)<br> <br>08 (max.)                 |
| Sub Out*3  | Adjust the subwoofer output level and cut off frequency level. | 00 (min.)<br> <br>12 (max.)<br>Low/Mid/High |
| Vol Adj*4  | Adjust and store the input level of each source.               | -12 (min.)<br> <br>+12 (max.)               |

### 2 Adjust the level.



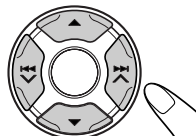
To increase the level.

To decrease the level.

#### While adjusting fader and balance

##### —Fad, Bal:

You can make these two adjustments at the same time, by referring to the indication on the display.

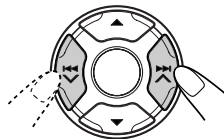


- Press ▲ or ▼ to adjust the fader.
- Press ►► ▲ or ◀◀ ▼ to adjust the balance.

#### While adjusting subwoofer output

##### —Sub Out:

You can also set an appropriate cut off frequency level according to the subwoofer connected:



- Press ►► ▲ or ◀◀ ▼ to select “Low,” “Mid,” or “High.”
- Low: Frequencies higher than 50 Hz are cut off to the subwoofer.
- Mid: Frequencies higher than 80 Hz are cut off to the subwoofer.
- High: Frequencies higher than 115 Hz are cut off to the subwoofer.

\*1 If you are using a two-speaker system, set the fader level to “00.”

\*2 The richness and fullness of the bass sound is clearly maintained regardless of how low you set the volume.

\*3 This takes effect only when a subwoofer is connected.

\*4 By adjusting the input level to match it to the FM sound level, you will not need to adjust the volume level each time you change the source. This adjustment is memorized for each source except FM.



## Selecting preset sound modes (iEQ: i-equalizer)

You can select a preset sound mode 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 EQ (equalizer).



The last selected sound mode is called up.



Ex.: If you have selected "Flat" previously

### 2 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)

\* Rhythm and Blues

To cancel the sound mode, select "Flat" in step 2.

#### Note:

For details about the preset settings of each sound mode, see page 22.

## 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 EQ (equalizer).

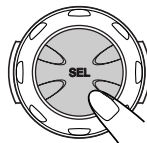


### 2 Select the sound mode you want to adjust.



Ex.: If you have selected "R & B"

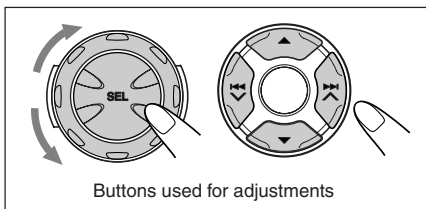
### 3 Enter the sound adjustment mode.



The following sound mode adjustment screen appears on the display.



**4** Make adjustments as you like, referring to the table “Sound adjustment items.”



- 1) Press ►►| ▲ or |◄◄ ▼ to select the frequency band—Low, Mid, or High.
- 2) Turn the control dial to select the center frequency for the selected band.
- 3) Press ▲ or ▼ to adjust the level of the selected band.
- 4) Press SEL (select) to enter the Q level (band width) adjustment mode for the selected band.
- 5) Turn the control dial to adjust the Q level for the selected band.
- 6) Repeat step 1) to 5) to adjust the other frequency bands.

**5** Exit from the sound adjustment mode.

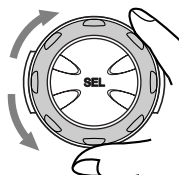


The confirmation message appears—whether you want to store the adjustment.

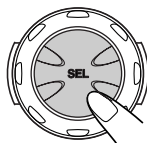


If you want to cancel the adjustments, press any button other than SEL (select).

**6** Select one of the user sound modes (User 1, User 2, User 3).



**7** Store the adjustment in the selected user sound mode.



Ex.: When you select “User 1”

### Sound adjustment items

| Band             | Selectable values |            |            |
|------------------|-------------------|------------|------------|
|                  | Low               | Mid        | High       |
| Center frequency | 50 Hz             | 700 Hz     | 8 kHz      |
|                  | 80 Hz             | 1 kHz      | 12 kHz     |
|                  | 120 Hz            | 2 kHz      |            |
| Q (band width)   | Q1 (min.)         | Q1 (min.)  | (Fixed)    |
|                  | Q4 (max.)         | Q2 (max.)  |            |
| Level            | -06 (min.)        | -06 (min.) | -06 (min.) |
|                  | +06 (max.)        | +06(max.)  | +06 (max.) |



# Activating the level meter

You can show the level meters on the display while playing any source.

This unit is equipped with three level meter patterns.

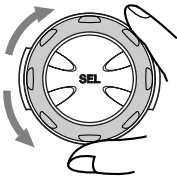
- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step 1 again.

## 1 Press EQ (equalizer) twice.

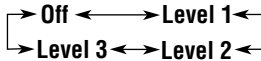


The last selected level meter appears on the display.

## 2 Select the level meter pattern you want.

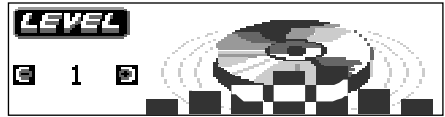


As you turn the control dial, the level meters change as follows:



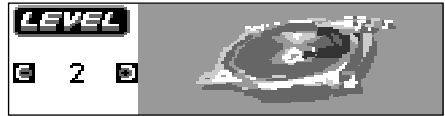
### Level Meter 1:

The audio level meter fluctuates vertically.



### Level Meter 2:

The speaker on the display vibrates as input audio level increases.



### Level Meter 3:

The left and right audio level meters appear.

- If the small animation display is selected, only one audio level meter can be shown.



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

| Sound modes | Preset values |           |       |         |           |       |         |       |
|-------------|---------------|-----------|-------|---------|-----------|-------|---------|-------|
|             | Low           |           |       | Mid     |           |       | High    |       |
|             | C.Freq.       | Q (Width) | Level | C.Freq. | Q (Width) | Level | C.Freq. | Level |
| Flat        | 50 Hz         | Q1        | +00   | 700 Hz  | Q1        | +00   | 8 kHz   | +00   |
| Hard Rock   | 80 Hz         | Q2        | +03   | 700 Hz  | Q1        | +00   | 8 kHz   | +02   |
| R & B       | 80 Hz         | Q3        | +03   | 2 kHz   | Q2        | +01   | 12 kHz  | +03   |
| Pop         | 120 Hz        | Q1        | +02   | 2 kHz   | Q2        | +01   | 12 kHz  | +02   |
| Jazz        | 80 Hz         | Q1        | +03   | 1 kHz   | Q1        | +01   | 8 kHz   | +03   |
| Dance Music | 50 Hz         | Q2        | +04   | 700 Hz  | Q1        | -02   | 8 kHz   | +01   |
| Country     | 50 Hz         | Q4        | +02   | 700 Hz  | Q1        | +00   | 12 kHz  | +02   |
| Reggae      | 80 Hz         | Q1        | +03   | 2 kHz   | Q2        | +02   | 12 kHz  | +02   |
| Classic     | 120 Hz        | Q1        | +03   | 1 kHz   | Q1        | +00   | 8 kHz   | +02   |
| User 1      | 50 Hz         | Q1        | +00   | 700 Hz  | Q1        | +00   | 8 kHz   | +00   |
| User 2      | 50 Hz         | Q1        | +00   | 700 Hz  | Q1        | +00   | 8 kHz   | +00   |
| User 3      | 50 Hz         | Q1        | +00   | 700 Hz  | Q1        | +00   | 8 kHz   | +00   |

## Changing the general settings (PSM)

You can change the items listed on the next page by using the PSM (Preferred Setting Mode) control.

- The PSM items are grouped into five categories—"Disp (display)," "Clock," "Tuner," "Color," and "Audio."

### Basic Procedure

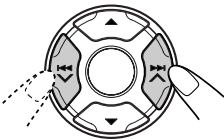
- 1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See page 24.)



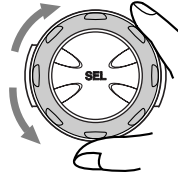
- 2** Press ▲ (up) or ▼ (down) repeatedly until your desired PSM category appears on the left side of the display.



- 3** Select the PSM item you want to adjust.



- 4** Adjust the PSM item selected.



- 5** Repeat steps 2 to 4 to adjust the other PSM items if necessary.

- 6** Finish the setting.



### To set clock—Clock Hr, Clock Min

You can set the clock using the PSM control.

- 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 ▼ repeatedly until "Clock" is selected as the PSM category (it is shown on the left side of the display).
- 3** Press ►►▲ or ◄◄▼ to select "Clock Hr (hour)."
- 4** Turn the control dial to adjust the hour.
- 5** Press ►►▲ or ◄◄▼ to select "Clock Min (minute)."
- 6** Turn the control dial to adjust the minute.
- 7** Press SEL (select) to finish the setting.

## Preferred Setting Mode (PSM) items

The PSM items are grouped into five categories—“Disp (display),” “Clock,” “Tuner,” “Color,” and “Audio.” To select a desired item, first select the category where the desired item is listed.

|                | Indications                                       | Selectable values               | Factory-preset settings | See page   |    |
|----------------|---|---------------------------------|-------------------------|------------|----|
| Disp (display) | <b>MovieDemo</b> Movie demo                       | Interval ↔ Off<br>↕ All Time ↖  | Interval                | 9, 25      |    |
|                | <b>SRC Anime</b> Source animation                 | On   Off                        | On                      | 25         |    |
|                | <b>Scroll</b> Scroll mode                         | Once ↔ Auto<br>↕ Off ↖          | Once                    | 25         |    |
|                | <b>Dimmer</b> Dimmer mode                         | Auto ↔ Off<br>↕ On ↖            | Auto                    | 25         |    |
|                | <b>Contrast</b> Contrast                          | 1 — 10                          | 5                       | 25         |    |
|                | <b>LCD Type</b> Display type                      | Positive ↔ Negative<br>↕ Auto ↖ | Positive                | 25         |    |
|                | <b>Font Type</b> Font type                        | 1   2                           | 1                       | 25         |    |
| Clock          | <b>Clock Hr</b> Hour adjustment                   | 1 — 12                          | 1 (1:00)                | 23         |    |
|                | <b>Clock Min</b> Minute adjustment                | 00 — 59                         | 00 (1:00)               | 23         |    |
| Tuner          | <b>IF Filter</b> Intermediate frequency filter    | Auto   Wide                     | Auto                    | 25         |    |
| Color          | <b>Mode</b> Color mode                            | Source   User                   | Source                  | 26         |    |
|                | <b>Source</b> <sup>*1</sup> (Selected color mode) | See page 26 for details         |                         | All Source | 26 |
|                | <b>All Source</b> <sup>*2</sup> (Selected source) | See page 26 for details         |                         | Every      | 26 |
|                | <b>User</b> <sup>*3</sup> User color Selection    | Day   Night                     | Day                     | 27         |    |
|                | <b>Red</b> <sup>*3</sup> Red                      | 0 — +11                         | Day: +7/Night: +5       | 27         |    |
|                | <b>Green</b> <sup>*3</sup> Green                  | 0 — +11                         | Day: +7/Night: +5       | 27         |    |
|                | <b>Blue</b> <sup>*3</sup> Blue                    | 0 — +11                         | Day: +7/Night: +5       | 27         |    |
| Audio          | <b>Beep</b> Key-touch tone                        | On   Off                        | On                      | 25         |    |
|                | <b>Ext Input</b> <sup>*4</sup> External component | Changer   Line In               | Changer                 | 25         |    |
|                | <b>Telephone</b> Telephone Muting                 | Off ↔ Muting 1<br>↕ Muting 2 ↖  | Off                     | 25         |    |

<sup>\*1</sup> Displayed only when “Mode” is set to “Source.”

<sup>\*2</sup> What appears actually here—source name—varies according to the “Source” setting.

<sup>\*3</sup> Displayed only when “Mode” is set to “User.”

<sup>\*4</sup> Displayed only when one of the following sources is selected – FM, AM and CD.



## To set the movie demo—MovieDemo

When shipped from the factory, the movie demo has been activated (“Interval” is selected).

- Interval: If no operation is done for about 20 seconds, the movie demo and playback source indication alternately appears on the display.
- All Time: If no operation is done for about 20 seconds, the movie demo automatically starts.
- Off: Cancels the movie demo.

## To set the source animation on the display—SRC Anime

When changing the source, the display shows the source animation. If you do not want this animation you can turn it off.

- On: The source animation appears just after you change the source.
- Off: Cancels the source animation.

## To select the scroll mode—Scroll

You can scroll the disc information if it cannot be displayed at a time.

- Once: Scrolls only once.
- Auto: Repeats the scroll (in 5-second intervals).
- Off: Cancels Auto Scroll.

## To select the dimmer mode—Dimmer

When you turn on the car head lights, the display automatically dims (Auto Dimmer). When shipped from the factory, Auto Dimmer mode is activated.

- Auto: Activates Auto Dimmer.
- Off: Cancels Auto Dimmer.
- On: Always dims the display.

### Note:

*Auto Dimmer equipped for 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 “On” or “Off.”*

## To adjust the display contrast level—Contrast

You can adjust the display contrast level among 1 (dark) to 10 (bright).

## To select the display illumination pattern—LCD Type

You can select the display illumination patterns according to your preference.

- Auto: Positive pattern will be selected during the day time (while the headlights are turned off); on the other hand, negative pattern will be used during the night time (while the headlights are turned on.)

- Positive: Positive (normal) pattern of the display.
- Negative: Negative pattern of the display.

## To select the font on the display—Font Type

You can change the font types used on the display. Select either “1” or “2” according to your preference.

## To change the FM tuner selectivity—IF Filter

In some areas, adjacent stations may interfere with each other. If this interference occurs, noise may be heard.

- Auto: When this type of interference occurs, this unit automatically increases the tuner selectivity so that interference noise will be reduced. (But the stereo effect will also be lost.)
- Wide: Subject to the interference from adjacent stations, but sound quality will not be degraded and the stereo effect will not be lost.

## To turn on/off the key-touch tone—Beep

You can deactivate the key-touch tone if you do not want it to beep each time you press a button.

- On: Activates the key-touch tone.
- Off: Deactivates the key-touch tone.

## To select the external component to use—Ext Input

You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor 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.

- Changer: To use the CD changer.
- Line In: To use the external component other than CD changer.

### Note:

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

## To select the telephone muting—Telephone

This mode is used to 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: Select this if this setting can mute the sounds.
- Muting 2: Select this if this setting can mute the sounds.
- Off: Cancels the telephone muting.

## Changing the display color

You can set the display color using the PSM control. By selecting "Source" as the "Mode" (color mode) setting, you can select your favorite color for each source (or for all sources).

**Note:**

When selecting "User" as the "Mode" setting, you can adjust and store your own colors as you like. See page 27.

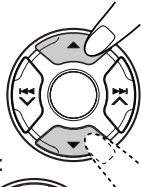
### Setting the desired color for each source—Source

Once you have set the color for each source (or for all sources), the display illuminates in the selected color when the source is selected.

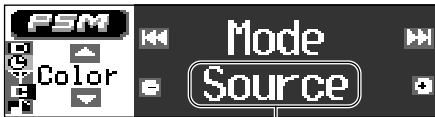
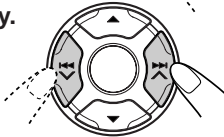
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See page 24.)



- 2 Press ▲ (up) or ▼ (down) repeatedly until "Color" appears as the PSM category on the left side of the display.



- 3 Select "Mode."



Currently selected setting for "Mode"

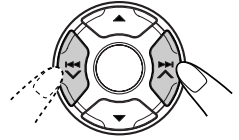
- 4 Select "Source" as the "Mode" (color mode) setting.

As you turn the control dial, the "Mode" settings change as follows:

Source ↔ User



- 5 Enter the source selecting mode.



Currently selected setting for "Source"

- 6 Select the source that you want to set the display color for.

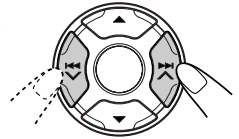
As you turn the control dial, the source names change as follows:



\*1 When you select "AllSource," you can use the same color for all sources.

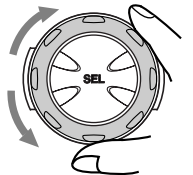
\*2 Selected only when these components are connected.

- 7 Enter the color selecting mode.



- 8 Select the display color.

As you turn the control dial, the colors change as follows:



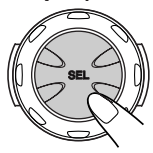
Every\*1 ↔ Aqua ↔ sky ↔ Sea ↔ Leaves ↔ Grass ↔ Rose ↔ Cherry ↔ Orange ↔ Honey ↔ Violet ↔ Grape ↔ Snow ↔ User\*2 ↔ (back to the beginning)

\*1 When you select "Every," the color changes every two seconds (changing to every color listed above except "User.")

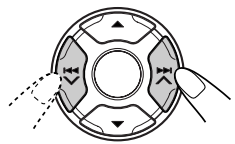
\*2 When you select "User," one of the original colors—"Day" or "Night" can be selected depending on the "User" setting.

**9** Repeat steps 5 to 8 to select the color for each source (except when selecting “AllSource” in step 6.)

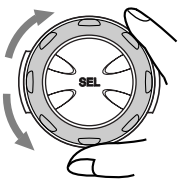
**10** Finish the setting.



**5** Select “User”.



**6** Select either “Day” or “Night” as your user color.



As you turn the control dial, the user color alternates between “Day” and “Night.”

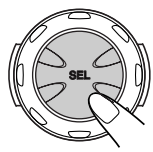
- If you want to select the user color, but do not need to adjust the color, go to step 9 to finish the setting.
- If you want to adjust the user color, go to the next step.

**Selecting or adjusting your own color —User**

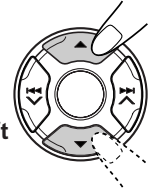
You can adjust and store your own colors—“Day” and “Night,” and select one of them as the display color for any desired source.

- Day: Can be used as your user color during the day time (while the headlights are turned off).
- Night: Can be used as your user color during the night time (while the headlights are turned on.)

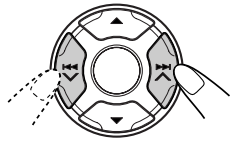
**1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See page 24.)



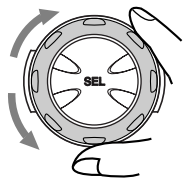
**2** Press ▲ (up) or ▼ (down) repeatedly until “Color” appears as the PSM category on the left side of the display.



**3** Select “Mode.”

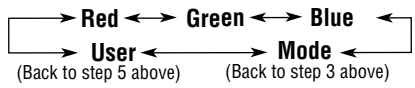


**4** Select “User” as the “Mode” (color mode) setting.



**7** Adjust the user color.

1) Press ►►► ▲ or ◀◀◀ ▼ to select one of three primary colors—“Red,” “Green,” and “Blue.”



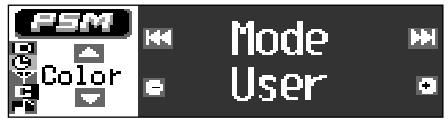
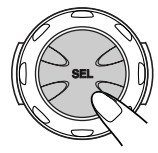
2) Turn the control dial to adjust the selected primary color.

You can adjust within the range of 0 to +11.

3) Repeat steps 1) and 2) to adjust the other primary colors.

**8** Repeat steps 6 and 7 to adjust the other user color—“Day” or “Night”.

**9** Finish the setting.



**Note:**

To use the color adjusted in this procedure, select “User” in the step 8 (“Select the display color”) of “Setting” the desired color for each source—Source.” (See page 26.)



## Assigning names to the sources

You can assign names to discs (both in this unit and in the CD changer), station frequencies and the external component.

After assigning a name, it will appear on the display when you select the source.

| Sources             | Maximum number of characters   |
|---------------------|--|
| CDs*                | up to 32 characters<br>(up to 40 discs)                                      |
| Station frequencies | up to 10 characters (up to 30 station frequencies including both FM and AM.) |
| External component  | up to 8 characters   |

\* You cannot assign a name to a CD Text.

### 1 Select a source you want to assign a name to.



When you select a source, the power automatically comes on.

### 2 Press and hold SEL (select) for more than 2 seconds while pressing DISP (D).

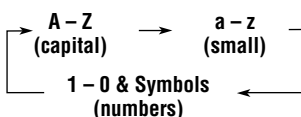


Ex.: When you select CD as the source

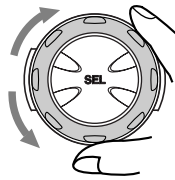
### 3 Select the character set you want while the first character position is flashing.



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

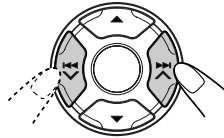


### 4 Select a character.



- About the available characters, see page 37.

### 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 entered characters

Insert spaces using the same procedure described above. (About the available characters, see page 37.)

### Notes:

- When you try to assign a name to the 41st disc, you cannot enter the text entry mode (and will hear a beep sound if "Beep" has been set to "On": see page 25). In this case, delete unwanted names before assignment.
- When the CD changer is connected, you can assign names to discs in the CD changer. These names can also be shown on the display if you insert the discs in this unit.

## Detaching the control panel

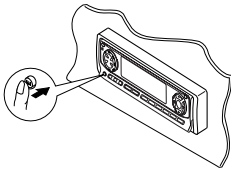
You can detach the control panel when leaving the car.

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.

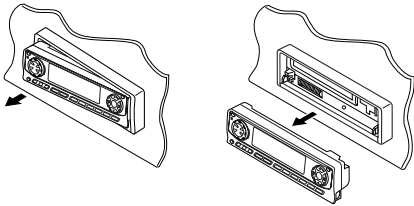
### Detaching the control panel

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

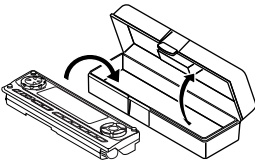
- 1 **Unlock the control panel.**



- 2 **Pull the control panel out of the unit.**

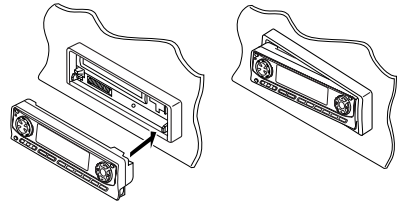


- 3 **Put the detached control panel into the provided case.**

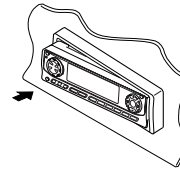


## Attaching the control panel

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



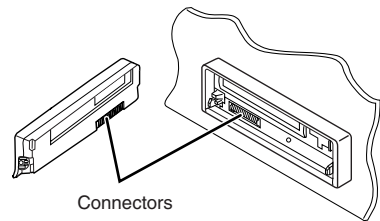
- 2 **Press the left side of the control panel to fix it to the panel holder.**



### Note on cleaning the connectors:

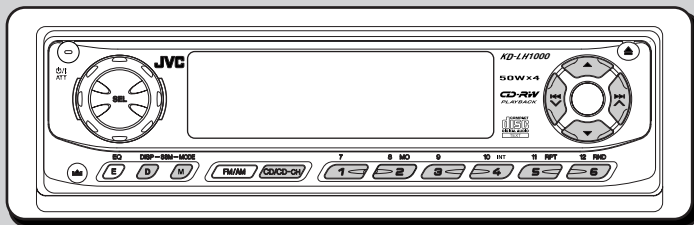
If you frequently detach the control panel, the connectors will deteriorate.

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





# CD CHANGER OPERATIONS



We recommend that you use one of the CH-X series with your unit.

If you have another JVC CD automatic changer, consult your JVC car audio dealer for connections.

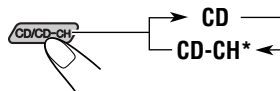
- For example, if your JVC CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.

Before operating your CD automatic changer:

- Refer also to the Instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "No Disc" will flash on the display. If this happens, remove the magazine and set the discs correctly.
- If "Reset 1" – "Reset 8" flashes 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.

## Playing CDs

### Select the CD automatic changer (CD-CH).



- \* If you have changed the "Ext Input" setting to "Line In" ( see page 25), you cannot select the CD changer.

Playback starts from the first track of the first disc. All tracks of all discs are played back.



### Note on One-Touch Operation:

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

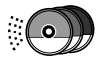
### To change the information shown on the display

Press DISP (D) repeatedly. For details, see "Changing the display pattern" on page 18.

### Note:

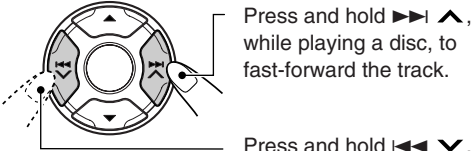
If you change the source or turn off the unit, CD play also stops.

Next time you select "CD-CH" as the source, CD play starts from where playback has been stopped previously.



## Locating a track or a particular portion on a CD

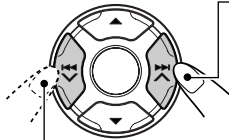
### To fast-forward or reverse the track



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

Press and hold **◀◀|▼**, while playing a disc, to reverse the track.

### To go to the next track or the previous tracks



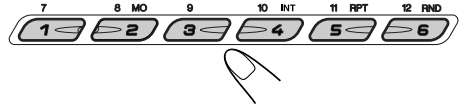
Press **▶|▲** briefly, while playing a disc, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press **◀|▼** briefly, while playing a disc, 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.

## Selecting a disc

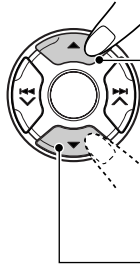
### To go to a particular disc directly

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 1 second.

### To go to the next discs or the previous discs



Press **▲** (up), while playing a disc, to go to the next disc. Each time you press the button consecutively, the first track of the next disc is located and played back.

Press **▼** (down) while playing a disc, to go back to the previous disc. Each time you press the button consecutively, the first track of the previous disc is located and played back.



### To select a disc using the disc lists

If you forget what discs are loaded in the CD changer, you can show the disc title list and select a disc on the list shown on the display.

- The display can show only six disc names at a time.

**1** While playing a CD, press and hold **▲ (up)** or **▼ (down)** until a disc name list appears on the display.



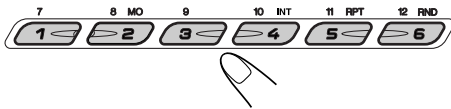
**Note:**

If a disc an assigned disc name, it will be shown on the display. However, if the disc has not been played before, its disc number will appear.

**2** Press **▲** or **▼** to show the other disc name list, if necessary.



**3** Select the number (1 – 6) for the disc you want to play.



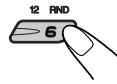
## Selecting CD playback modes

### To play back tracks at random (Random Play)

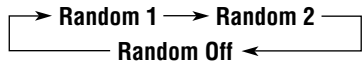
You can play back the tracks at random.



**1** Press MODE (M) to enter the functions mode while playing a disc.  
"Mode" appears on the display.



**2** Press RND (random), while "Mode" is still on the display, so that the RND indicator is highlighted on the display. Each time you press RND, the random play mode changes as follows:



RANDOM indicator

RND indicator  
(See the following table.)

Ex.: When you select "Random 1."

| Mode     | RND Indicator | Plays at random   |
|----------|---------------|---|
| Random 1 | Highlighted   | All tracks of the current disc, then the tracks of the next disc and so on. |
| Random 2 | Flashes       | All tracks of all discs inserted in the magazine.                           |

When Random Play is turned on, the RANDOM indicator lights up or flashes on the display.



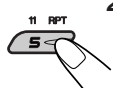


### To play back tracks repeatedly (Repeat Play)

You can play back the current track or the tracks on the current disc repeatedly.



1 Press MODE (M) to enter the functions mode while playing a disc. "Mode" appears on the display.



2 Press RPT (repeat), while "Mode" is still on the display, so that the RPT indicator is highlighted on the display. Each time you press RPT, the repeat play mode changes as follows:



REPEAT indicator

RPT indicator (See the following table.)

Ex.: When you select "Repeat 1."

| Mode     | RPT Indicator | Plays repeatedly                                    |
|----------|---------------|---|
| Repeat 1 | Highlighted   | The current track (or specified track).             |
| Repeat 2 | Flashes       | All tracks of the current disc (or specified disc). |

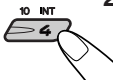
When Repeat Play is turned on, the REPEAT indicator lights up or flashes on the display.

### To play back only intros (Intro Scan)

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



1 Press MODE (M) to enter the functions mode while playing a disc. "Mode" appears on the display.



2 Press INT (intro), while "Mode" is still on the display, so that the INT indicator is highlighted on the display. Each time you press INT, the intro scan mode changes as follows:



INTRO indicator

INT indicator (See the following table.)

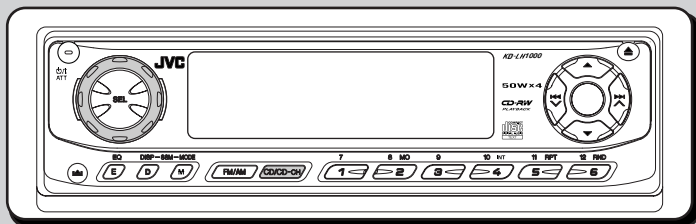
Ex.: When you select "Intro 1."

| Mode    | INT Indicator | Plays the beginnings                      |
|---------|---------------|---|
| Intro 1 | Highlighted   | Of all tracks on all inserted discs.      |
| Intro 2 | Flashes       | Of the first track on each inserted disc. |

When Intro Scan is turned on, the INTRO indicator lights up or flashes on the display.



# EXTERNAL COMPONENT OPERATIONS



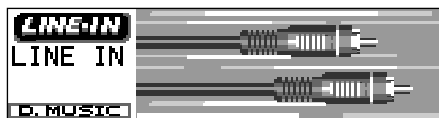
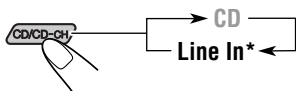
## Playing an external component

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

### Preparations:

- For connecting the Line Input Adaptor 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—Ext Input” on page 25.)

### 1 Select the external component (Line In).



\* If “Line In” does not appear on the display, see page 25 and select the external input (“Line In”).

\* Displayed only when one of the following sources is selected—FM, AM and CD.

### 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.

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

**3** Adjust the volume.



**4** Adjust the sound as you want. (See pages 19 – 22.)

# TROUBLESHOOTING



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

|   | Symptoms   | Causes  | Remedies   |
|---|--|---|--|
| General Playback  | <ul style="list-style-type: none"> <li>• Sound is sometimes interrupted.</li> </ul>  | 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"> <li>• Sound cannot be heard from the speakers.</li> </ul>   | 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"> <li>• CD cannot be played back.</li> </ul>  | Disc is inserted upside down.   | Insert the disc correctly.   |
|   | <ul style="list-style-type: none"> <li>• CD-R/CD-RW cannot be played back.</li> <li>• Tracks on the CD-R/CD-RW cannot be skipped.</li> </ul> | CD-R/CD-RW is not finalized.  | <ul style="list-style-type: none"> <li>• Insert a finalized CD-R/CD-RW.</li> <li>• Finalize the CD-R/CD-RW with the component which you used for recording.(See page 36.)</li> </ul> |
|   |  | <ul style="list-style-type: none"> <li>• “No Disc” flashes on the display .</li> </ul>  | No disc in the loading slot.   |
|   | Disc is inserted incorrectly.  |   | Insert the disc correctly.   |
|   | <ul style="list-style-type: none"> <li>• Disc cannot be ejected.</li> </ul>  | Disc is locked.   | Unlock the disc (See page 17.)   |
| <ul style="list-style-type: none"> <li>• This unit does not work at all.</li> </ul>               | The built-in microcomputer may have functioned incorrectly due to noise, etc.  | Press the reset button on the panel holder using a ball-point pen after detaching the control panel. (The clock setting and preset stations stored in memory are erased.) (See page 2.) |  |
| <ul style="list-style-type: none"> <li>• “Panel Connect Error” appears on the display.</li> </ul> | The control panel is not attach correctly and firmly.  | Remove the control panel, wipe the connectors, then attach it again. (See page 29.)   |  |
| FM/AM   | <ul style="list-style-type: none"> <li>• SSM (Strong-station Sequential Memory) automatic preset does not work.</li> </ul>                   | Signals are too weak.   | Store stations manually.   |
|   | <ul style="list-style-type: none"> <li>• Static noise while listening to the radio.</li> </ul>   | The antenna is not connected firmly.  | Connect the antenna firmly.  |
| CD Changer  | <ul style="list-style-type: none"> <li>• “No Disc” flashes on the display .</li> </ul>   | No disc in the magazine.  | Insert a disc.   |
|   | <ul style="list-style-type: none"> <li>• “Reset 8” flashes on the display .</li> </ul>   | This unit is not connected to a 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"> <li>• “Reset 1” – “Reset 7” flashes on the display.</li> </ul>  | _____   | Press the reset button of the CD changer.  |



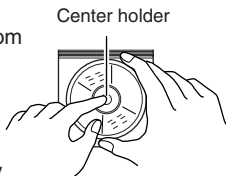
## Handling CDs

This unit has been designed to reproduce CDs, CD-Rs, CD-RWs and CD Text.

- This unit is not compatible with MP3 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.



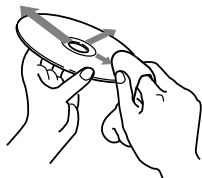
- Always hold the disc by the edges. Do not touch its recording surface.

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.

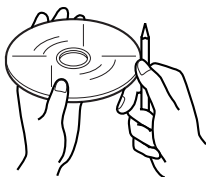
### To keep discs clean

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.



### 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.



#### **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 playback while driving on such rough roads.*

### 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.

### When playing a CD-R or CD-RW

You can play back your original CD-Rs or CD-RWs recorded in audio CD format. However, they may not be played back depending on their characteristics or recording conditions.

- User-edited CD-Rs (Recordable) and CD-RWs (Rewritable) can be played back only if they are already "finalized."
- Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.
- CD-Rs or CD-RWs are susceptible to high temperatures or high humidity; so do not leave them inside your car.
- CD-RWs may require a longer readout time. (This is caused by the fact that the reflectance of CD-RWs is lower than for regular CDs.)

#### **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, benzine, etc.) to clean discs.

## 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: ±06 (50 Hz, 80 Hz, 120 Hz)

Mid: ±06 (700 Hz, 1 kHz, 2 kHz)

High: ±06 (8 kHz, 12 kHz)

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance: 2.0 V/20 kΩ load

Output Impedance: 1 kΩ

## TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 108.0 MHz

AM: 531 kHz to 1 602 kHz

### [FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)

50 dB Quieting Sensitivity: 16.3 dBf (1.8 μV/75 Ω)

Alternate Channel Selectivity (400 kHz): 65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 35 dB

Capture Ratio: 1.5 dB

### [AM Tuner]

Sensitivity: 20 μV

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

## 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 × H × D):

Installation Size: 182 mm × 52 mm × 150 mm

Panel Size: 188 mm × 58 mm × 14 mm

Mass: 1.4 kg (excluding accessories)

*Design and specifications subject to change without notice.*

### Available characters

You can use the following characters to assign names to CDs, radio stations, and external components (see page 28).

#### Capital letters

|   |       |   |   |   |
|---|-------|---|---|---|
| A | B     | C | D | E |
| F | G     | H | I | J |
| K | L     | M | N | O |
| P | Q     | R | S | T |
| U | V     | W | X | Y |
| Z | space |   |   |   |

#### Small letters

|   |       |   |   |   |
|---|-------|---|---|---|
| a | b     | c | d | e |
| f | g     | h | i | j |
| k | l     | m | n | o |
| p | q     | r | s | t |
| u | v     | w | x | y |
| z | space |   |   |   |

#### Numbers and symbols

|   |   |   |   |       |
|---|---|---|---|-------|
| 0 | 1 | 2 | 3 | 4     |
| 5 | 6 | 7 | 8 | 9     |
| ! | " | # | □ | %     |
| & | ' | ( | ) | *     |
| + | , | - | . | /     |
| : | ; | < | = | >     |
| ? | @ | _ | ` | space |

**Having TROUBLE with operation?**

**Please reset your unit**

**Refer to page 2**

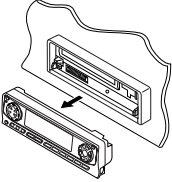
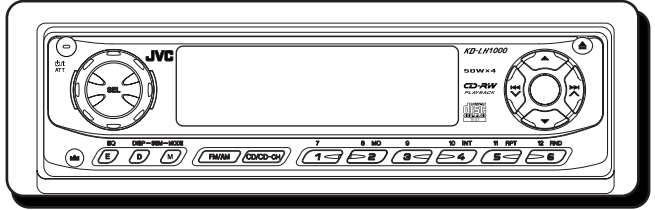
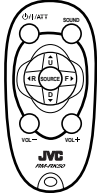
# JVC

KD-LH1000

راديو مع مشغل اسطوانات مدمجة CD

KD-LH1000

عربي



COMPACT  
disc  
DIGITAL AUDIO  
TEXT

CD-RW  
PLAYBACK

هذا الجهاز مزود بوظيفة استعراض لشاشة العرض. لالغاء وظيفة الاستعراض، انظر صفحة ٩.

لعمليات التركيب والتوصيلات، يرجى مراجعة كتيب التعليمات المنفصل.

## دليل التعليمات

### ENGLISH

- This unit is designed to operate on 12 V DC, NEGATIVE ground electrical systems.

## INSTALLATION (IN-DASH MOUNTING)

- The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

### 中文

- 本機僅可使用直流 12V、負極接地的電源系統。

## 安裝 (裝設、固定在儀表板內)

- 下面的圖解表示了典型的安裝程序。然而，您應當做些適當的調整，以便適應您自己的汽車。如果您有問題，或需要有關配套元件的資料，請向 JVC 汽車音響分銷商或配套元件供應公司詢問。

### ไทย

- ชุดประกอบชุดนี้ได้รับการออกแบบมาเพื่อใช้งานกับระบบกระแสไฟฟ้าสายดินขั้วลบกระแสตรง 12 โวลท์

## การติดตั้ง (การประกอบแผงหน้าปัทมเขา)


- ภาพตัวอย่างต่อไปนี้แสดงถึงการติดตั้งแบบทั่วไป อย่างไรก็ตาม คุณควรปรับแต่งให้เหมาะสมกับรถของคุณเอง หากคุณมีปัญหาคือหาหรือต้องการข้อมูลเกี่ยวกับชุดติดตั้ง กรุณาปรึกษากับผู้ขายเครื่องเสียงรถยนต์ JVC ของท่านหรือบริษัทที่จำหน่ายชุดติดตั้งนี้


### عربي


- لقد صمم هذا الجهاز ليعمل بواسطة تيار كهربائي مباشر DC، ١٢ فولت، انظمة كهربائية تأريض سالب.


## تركيب الجهاز (داخل-تابلو السيارة)

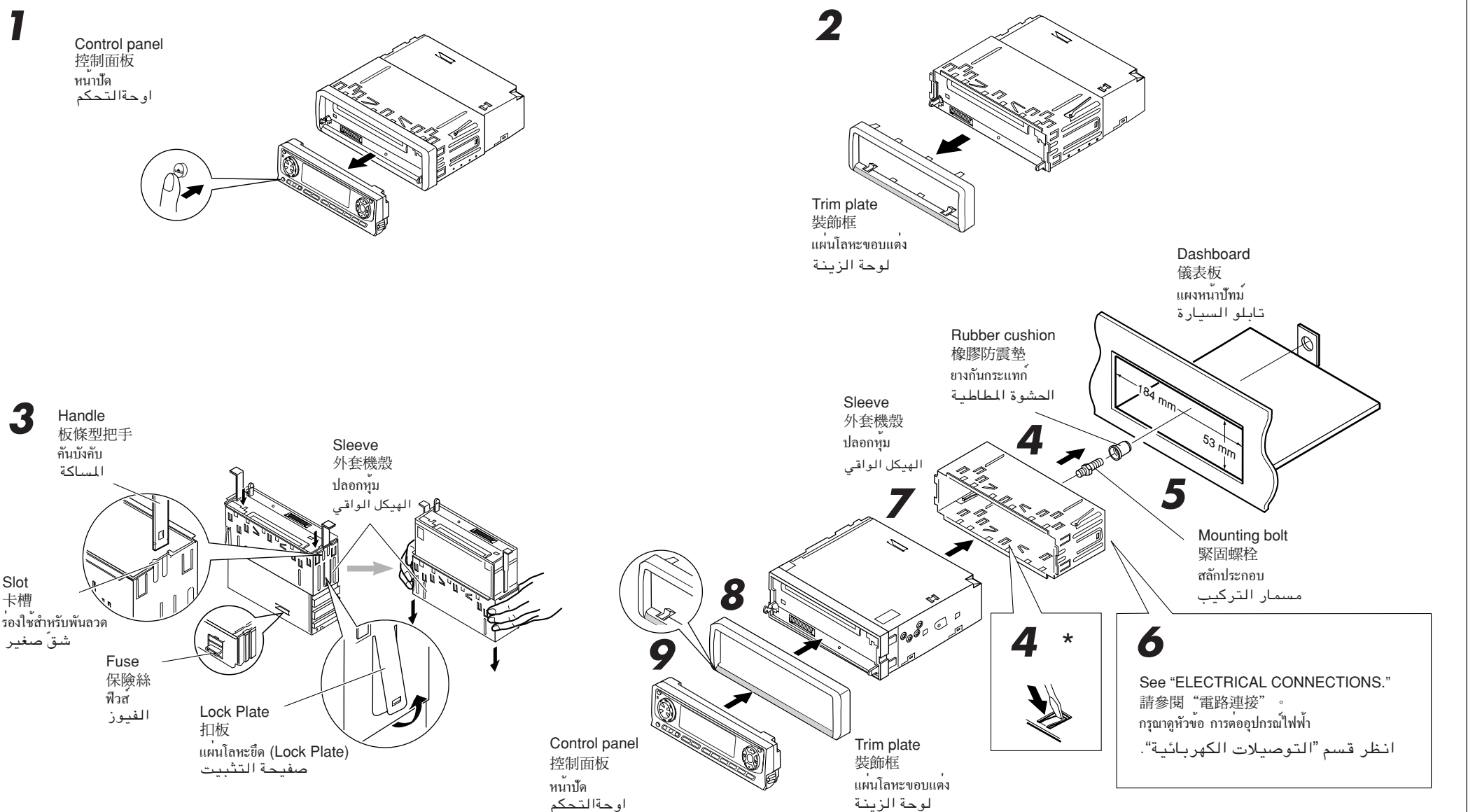
- يبيّن الرسم التوضيحي التالي طريقة التركيب المثالية. مع ذلك، يجب عليك عمل تعديلات تطابق نوع السيارة التي تمتلكها. اذا كان هناك استفسارات او حاجة لمعلومات بخصوص ادوات التركيب، يرجى استشارة موزع الاجهزة الصوتية للسيارات ماركة JVC او الشركة الموزعة لهذه الادوات.

- Before mounting:** Press  (Control Panel Release button) to detach the control panel if already attached.  
\* When shipped from the factory, the control panel is packed in the hard case.
- Remove the trim plate.
- Remove the sleeve after disengaging the sleeve locks.  
① Stand the unit.  
**Note:** When you stand the unit, be careful not to damage the fuse on the rear.  
② Insert the 2 handles between the unit and the sleeve, as illustrated, to disengage the sleeve locks.  
③ Remove the sleeve.  
**Note:** Be sure to keep the handles for future use after installing the unit.
- Install the sleeve into the dashboard.  
\* After the sleeve is correctly installed into the dashboard, bend the appropriate tabs to hold the sleeve firmly in place, as illustrated.
- Fix the mounting bolt to the rear of the unit's body and place the rubber cushion over the end of the bolt.
- Do the required electrical connections.
- Slide the unit into the sleeve until it is locked.
- Attach the trim plate.  
**Note:** Ensure the recessed part is at the bottom. If not, the control panel will not open completely.
- Attach the control panel.

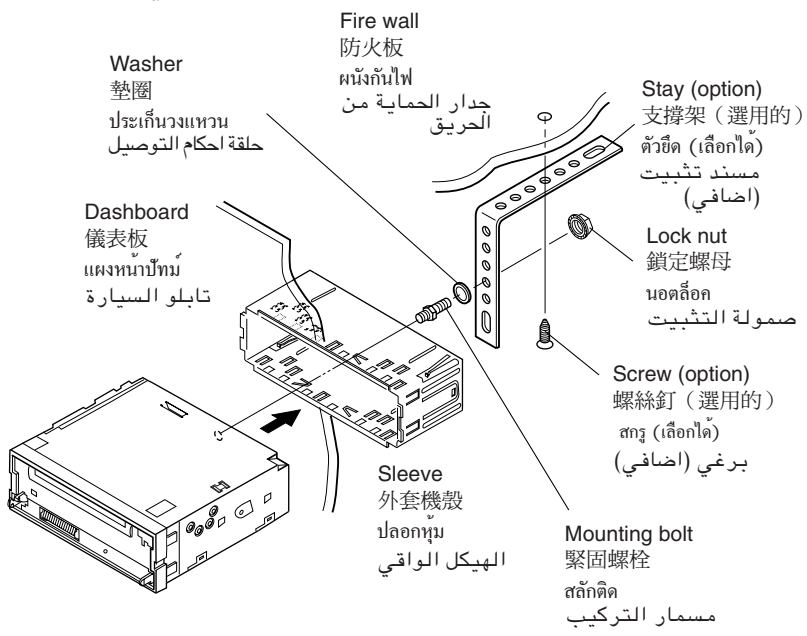
- 裝設之前:** 如果控制面板已經裝上，按下  (控制面板解脫按鈕)，拆脫控制面板。  
\* 當控制面板從工廠裝運時，它是包裝在硬盒中的。
- 取下裝飾框。
- 解開扣板，取下本機的外套機殼。  
① 將本機豎起。  
**注意:** 您豎起本機時，小心不要損壞底部的保險絲。  
② 按圖所示，在本機和外套機殼之間插入兩片板條型的把手，解開外套機殼扣板。  
③ 取下外套機殼。  
**注意:** 安裝本機後，務必保存好兩片把手，以備將來使用。
- 將外套機殼裝入儀表板內。  
\* 在外套機殼準確地裝入儀表板之後，按圖所示，彎曲機殼的突舌，把外套機殼牢固在儀表板內。
- 將緊固螺栓旋緊在本機機體上，並將橡膠防震墊套在緊固螺栓的尾部。
- 進行所需的電路連接。
- 將本機滑入外套機殼，直到扣板鎖住為止。
- 裝上裝飾框。  
**注意:** 請確保凹進去的部分是在底部。如果不在底部，控制面板將不會完全打開。
- 裝上控制面板。

- ก่อนประกอบ** กดปุ่ม  (ปลดแผงควบคุม) เพื่อออกจากแผงควบคุม  
\* เมื่อผลิตกันซ์ถูกส่งออกมาจากโรงงาน แผงหน้าปัดจะบรรจุไว้ในลังแข็ง
- ถอดแผ่นโลหะขอบแต่งออก
- ถอดปลอกหุ้มออกหลังจากปลดที่ล็อกปลอกหุ้มออกแล้ว  
① จับชุดประกอบตั้งขึ้น  
**หมายเหตุ:** เมื่อคุณตั้งชุดประกอบขึ้น ระวังอย่าทำให้อุปกรณ์ส่วนท้ายเสียหาย
- ใส่คั่นบังคับ 2 อันระหว่างชุดประกอบกับปลอกหุ้ม (ดังภาพ) เพื่อปลดที่ล็อกปลอกหุ้มออกจากกัน
- ปลดปลอกหุ้มออก  
**หมายเหตุ:** ระวังให้คั่นบังคับสามารถใช้งานได้ต่อไปหลังจากติดตั้งชุดประกอบแล้ว
- ติดตั้งปลอกหุ้มลงในแผงหน้าปัทม
- หลังจากติดตั้งปลอกหุ้มลงในแผงหน้าปัทมอย่างถูกต้องแล้ว ดัดร่องให้โค้งพอดีที่ปลอกหุ้มจะถูกยึดไว้อย่างแน่นหนา (ดังภาพ)
- ติดสลักประกอบบริเวณด้านหลังโครงของชุดประกอบและวางยางกันกระแทกไว้บนส่วนปลายของสลัก
- ต่อสายไฟตามที่กำหนดไว้ทั้งหมด
- เลื่อนชุดประกอบลงในปลอกหุ้มจนเข้ากันได้พอดี
- ต่อแผ่นโลหะขอบแต่ง  
**หมายเหตุ:** เวลาใส่คั่นบังคับ คั่นคั่นอยู่ทางด้านล่าง มิฉะนั้นแล้ว จะเปิดแผงควบคุมออกไม่ได้ทั้งหมด
- ต่อเข้ากับแผงควบคุม

- قبل التركيب:** اضغط الزر  (زر تحرير لوحة التحكم) لفصل لوحة التحكم اذا كانت موصولة سابقا.  
\* عند الشحن من المصنع، تم وضع لوحة التحكم داخل الصندوق.
- انزع لوحة الزينة.
- انزع الهيكل الواقي بعد فصل مثبتات الهيكل الواقي.  
① اوقف الجهاز بشكل عمودي.  
**ملاحظة:** عند توقيف الجهاز، تأكد من عدم تضرر او اتلاف الغيوز الموجود في الجهة الخلفية من الجهاز.  
② ادخل المساكين بين الجهاز والهيكل الواقي، كما هو مبين في الشكل، لفصل مثبتات الهيكل الواقي.
- انزع الهيكل الواقي.  
**ملاحظة:** يرجى المحافظة على المساكات من اجل الاستعمال لاحقا بعد تركيب الجهاز.  
ركب الهيكل الواقي داخل تابلو السيارة.
- بعد تركيب الهيكل الواقي كليا داخل تابلو السيارة بشكل صحيح، اثني الألسنة بشكل مناسب لتثبيت الهيكل الواقي بشكل محكم في المكان الصحيح، كما هو مبين في الشكل.
- ثبتت مسمار التركيب بالجهة الخلفية من هيكل الجهاز وبعد ذلك ضع الحشوة المطاطية فوق نهاية المسمار. اعمل التوصيلات المطلوبة.
- ادخل الجهاز داخل الهيكل الواقي حتى يثبت بشكل صحيح.
- ركب لوحة الزينة
- ملاحظة:** تأكد من وجود القسم الجوف في الاسفل.
- ركب لوحة التحكم

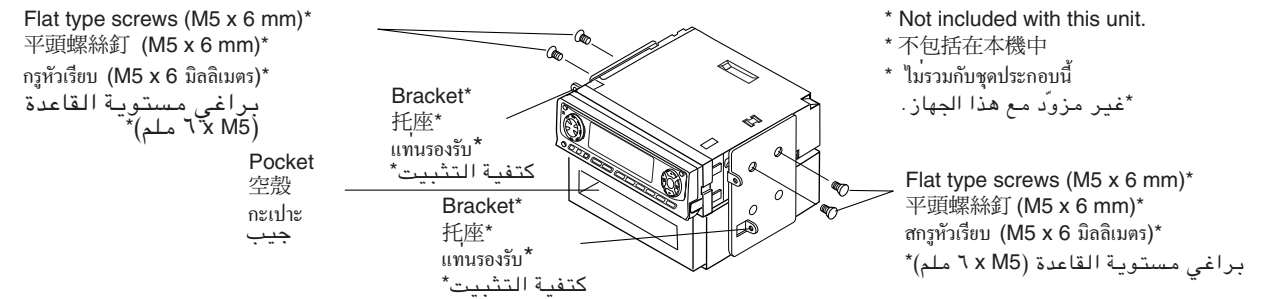


- **When using the optional stay**
- 若選用支撐架
- เมื่อใช้ตัวยึดแบบเลือกได้ (สามารถเลือกเปิดกว้างไว้ได้)
- عند استخدام مسند اضافي للتثبيت



- **When installing the unit without using the sleeve**
- 若不使用外套機殼安裝本機
- เมื่อติดตั้งชุดประกอบโดยไม่ใช้ปลอกหุ้ม
- عندما تركيب الجهاز بدون استخدام الهيكل الواقي

In a Toyota for example, first remove the car radio and install the unit in its place.  
 以豐田牌 (TOYOTA) 汽車為例：首先取出汽車收音機，然後將本機裝入其空出的位置。  
 ตัวอย่างเช่น ในรถยนต์โตโยต้า ให้ถอดวิทยุติดรถยนต์ออกก่อนและติดตั้งชุดประกอบนี้เข้าไปแทน  
 على سبيل المثال، في سيارات نوع تويوتا، انزع راديو السيارة اولا بعد ذلك ركب الجهاز في مكانه



**Note:** When installing the unit on the mounting bracket, make sure to use the 6 mm-long screws. If longer screws are used, they could damage the unit.  
 注意：把本機安裝在托座上時，務必使用 6mm 長的螺絲釘。如使用過長的螺絲釘，會損壞本機。

หมายเหตุ: เมื่อติดตั้งชุดประกอบลงในแท่นรองรับไว้ ให้ใช้สกรูยาวขนาด 6 มิลลิเมตร ถ้าใช้สกรูยาวกว่านี้อาจทำให้ชุดประกอบเสียหายได้  
**ملاحظة:** عند تركيب الجهاز على كتفية التثبيت، تأكد من استخدام براغي طول 6 ملم. في حالة استخدام براغي اطول من 6 ملم، فان ذلك يمكن ان يسبب تلف او ضرر للجهاز.

### Removing the unit

- Before removing the unit, release the rear section.
- 1 Remove the control panel.
- 2 Remove the trim plate.
- 3 Insert the 2 handles into the slots, as shown. Then, while gently pulling the handles away from each other, slide out the unit. **(Be sure to keep the handles after installing it.)**

### 拆卸本機

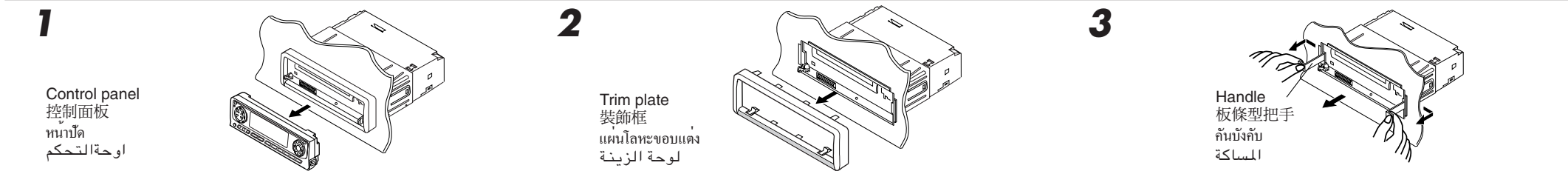
- 在拆卸本機前，應將本機後部的固定和連接部分鬆開。
- 1 拆下控制面板。
- 2 取下裝飾框。
- 3 按圖所示，將兩片板條型把手插入卡槽，然後輕穩地從兩側向外拉兩片把手，本機隨之拉出。  
 (安裝本機後，務必保存好兩片把手)

### การถอดชุดประกอบ

- ก่อนจะถอดชุดประกอบ ให้ปลดหน้าคัตส่วนท้ายก่อน
- 1 ถอดหน้าคัต
- 2 ถอดแผ่นโลหะขอบแต่ง
- 3 ใส่คันบังคับ 2 อันลงในร่องสำหรับไขพื้นลวด ดังภาพ จากนั้นให้เลื่อนชุดประกอบออก ในขณะที่ถือ ๑ ดังคันบังคับทั้งสองอันออกจากกัน  
 (คู่ให้ตัวคันบังคับทั้งสองอันอยู่ในตำแหน่งที่เหมาะสมหลังจากติดตั้งแล้ว)

### نزع الجهاز من تابلو السيارة

- قبل نزع الجهاز، حرر الجزء الخلفي.
- 1 انزع لوحة التحكم.
- 2 انزع لوحة الزينة.
- 3 ادخل المساكين داخل المساكين داخل الشقوق، كما هو مبين في الشكل. بعد ذلك، اثناء سحب المساكين بلطافة بعيدا الواحدة عن الاخرى، اسحب الجهاز الى الخارج. **(تأكد من احتفاظك بالمساكين بعد تركيب الجهاز)**



### Parts list for installation and connection

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

### 用於安裝和連接的零件裏

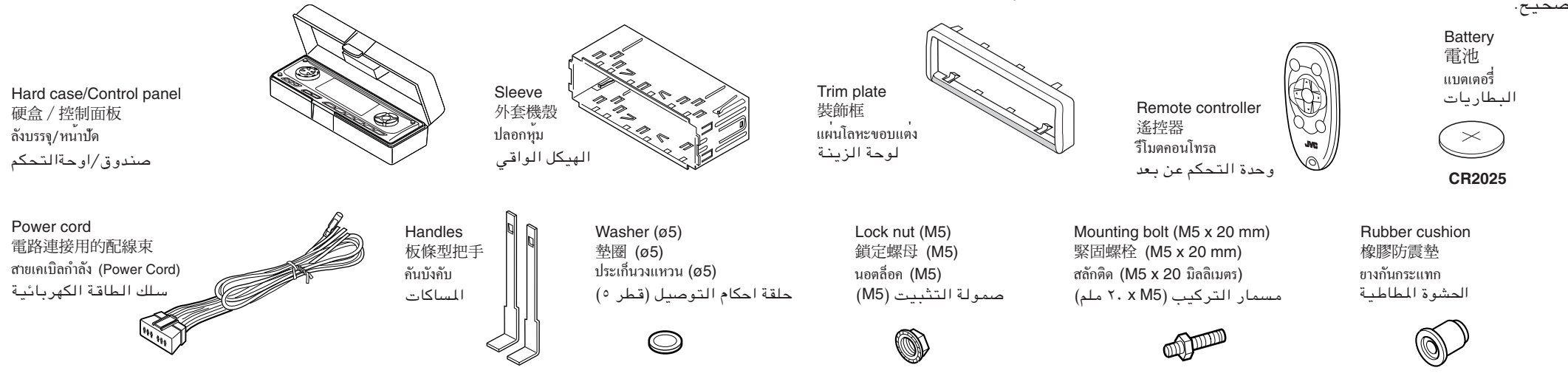
下列零件是隨本機提供的。請點以後，正確的將其裝配。

### รายการส่วนประกอบสำหรับติดตั้งและเชื่อมต่อกัน

ส่วนประกอบต่อไปนี้ให้มาพร้อมกับชุดประกอบนี้ หลังจากตรวจสอบแล้ว ปรับตั้งเครื่องให้ถูกต้อง

### قائمة اجزاء التركيب والتوصيل

الاجزاء التالية مزودة مع الجهاز. بعد فحص هذه الاجزاء، يرجى تركيبهم بشكل صحيح.



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

- Note:**  
 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 car audio dealers.
- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
  - If noise is a problem...  
 This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (see connection diagram) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC car audio dealer.
  - Maximum input of the speakers should be no more than 50 W at the rear and 50 W at the front, with an impedance of 4 Ω to 8 Ω.
  - **Be sure to ground this unit to the car's chassis.**
  - The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.

## 電路連接

為防止短路，建議在安裝本機之前，斷開電池的負極，並把所有電路都連接好。如果您不能確定如何正確地安裝本機，應請合格的技術人員來安裝。

- 注意：**  
 本機僅可使用直流 12V、負極接地的電源系統。如果您的車輛沒有這一電源系統，則需要一個電壓變換器，可以在 JVC 汽車音響分銷商處買到。
- 把保險絲更換為額定負荷值的保險絲。如果保險絲經常燒壞，請向 JVC 汽車音響分銷商詢問。
  - 若出現噪音問題  
 本機在電源回路帶有一個噪音濾波器。但是，在某些車輛上，會出現咯咯聲或其它噪音。如果發生這類情況，將本機後面的接地端子用短而粗的導線，如編織銅線或標準電纜，連接到汽車底盤上（參閱電路接線圖）。如果噪音仍然持續存在，請向 JVC 汽車音響分銷商詢問。
  - 後置揚聲器的最大輸入功率應不可大於 50W，前置揚聲器的最大功率則為 50W，其阻抗的為 4Ω - 8Ω。
  - 務必將本機接到汽車底盤上。
  - 本機使用後，散熱片會很熱。因此，在移出本機時，小心不要觸摸散熱片。

## การเชื่อมโดยใช้ไฟฟ้า

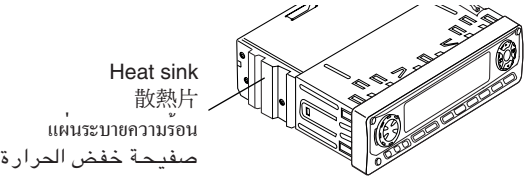
เพื่อป้องกันไฟฟ้าลัดวงจร เราขอแนะนำให้คุณเอาขั้วลบแบตเตอรี่ออกก่อนและทำการเชื่อมโดยใช้ไฟฟ้ทุกจุดก่อนที่จะติดตั้งชุดประกอบ ถ้าคุณไม่แน่ใจว่าติดตั้งชุดประกอบนี้ถูกต้องหรือไม่ให้หาช่างผู้เชี่ยวชาญเป็นผู้ติดตั้ง

- หมายเหตุ :**  
 ชุดประกอบนี้ได้รับการออกแบบมาเพื่อใช้งานกับระบบกระแสไฟฟ้าสายดินขั้วลบระบบแรงดัน 12 โวลต์ หากรถยนต์ของคุณไม่ได้ใช้ระบบนี้ ต้องใช้เครื่องแปลงกระแสไฟฟ้า ซึ่งสามารถหาซื้อได้จากร้านขายเครื่องเสียงรถยนต์ JVC
- ใช้ฟิวส์ที่เฉพาะแทนฟิวส์ หากฟิวส์ขาดบ่อย ให้ปรึกษาช่างขายเครื่องเสียงรถยนต์ JVC
  - หากเสียงมีปัญหา...  
 ชุดประกอบชุดนี้มีเครื่องกรองเสียงในวงจรกำลัง (Power Circuit) อยากรู้ดีในรถยนต์ บางครั้งก็อาจเกิดเสียงที่ไม่พึงปรารถนาขึ้นได้ หากปัญหานี้เกิดขึ้น ให้ถอดขั้วสายดินด้านหลังของชุดประกอบ (ดูแผนภูมิการต่อเชื่อม) เข้ากับบัสของรถยนต์โดยใช้สายเคเบิลที่สั้นและหนากว่า เช่น สายไฟเครื่องวัดหรือสายประสานทองแดง เป็นต้น หากยังมีเสียงอยู่ก็ ให้ปรึกษาช่างขายเครื่องเสียงรถยนต์ JVC
  - กระแสไฟฟ้าเข้าลิโพงสูงสุดบริเวณส่วนหลังควรเกินกว่า 50 วัตต์และบริเวณส่วนหน้าก็ 50 วัตต์ และมีค่าความทหน่วง 4 - 8 โอห์ม
  - ตรวจสอบให้แน่ใจว่าได้ออกชุดประกอบชุดนี้ลงในแชสซีรถยนต์แล้ว
  - แผนระบายนความร้อนจะร้อนมากหลังจากใช้ ระยะเวลาวิ่งอย่าไปสัมผัสเมื่อถอดชุดประกอบนี้

## التوصيلات الكهربائية

لمنع حدوث تقصير في الدوائر الكهربائية، نوصي بفصل طرف البطارية السالب ثم عمل التوصيلات الكهربائية قبل تركيب الجهاز. في حالة عدم معرفتك بكيفية تركيب الجهاز بشكل صحيح، يرجى ترك عملية تركيب الجهاز لشخص مختص ومؤهل لتركيه مثل هذه الاجهزة.

- ملاحظة:**  
 لقد صمم هذا الجهاز ليعمل بواسطة تيار كهربائي مباشر DC، 12 فولت، انظمة كهربائية تأريض سالب. في حالة عدم وجود مثل هذا النظام في سيارتك، يجب استخدام محول فولتاج، ويمكن شراء هذا المحول من وكلاء الاجهزة الصوتية للسيارات ماركه JVC.
- استبدل الفيوز بأخر يحمل نفس القياسات الموصوفة. اذا تكرر احتراق الفيوز، يرجى استشارة وكلاء الاجهزة الصوتية للسيارات ماركه JVC. اذا كان الضجيج هو المشكله...
  - يستخدم هذا الجهاز فلتر ضجيج داخل دائرة الطاقة الكهربائية. مع ذلك، في بعض السيارات، يمكن ان يحدث نوع من الطقطقة او الضجيج غير المرغوب في حالة حدوث مثل ذلك، اوصل طرف التأريض الموجود في خلفية الجهاز (انظر رسم التوصيل) مع هيكل السيارة بواسطة استخدام اسلاك اقصر واسمك، مثل سلك النحاس الجدول او سلك مقياسي. في حالة عدم توقف الطقطقة او الضجيج، يرجى استشارة وكلاء الاجهزة الصوتية للسيارات ماركه JVC.
  - يجب ان يكون الحد الأقصى لدخل السماعات اكثر من 50 واط للسماعات الخلفية و 50 واط للسماعات الامامية، مع ممانعة بين 4 الى 8 اوم.
  - تأكد من تأريض الجهاز مع هيكل السيارة.
  - تصبح صفيحة خفض الحرارة ساخنة جدا بعد الاستخدام. تأكد من عدم ملامستها عند نزع الجهاز.





A Typical Connections / 典型的接線方法 / การเชื่อมต่อแบบปกติ / التوصيلات النموذجية

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

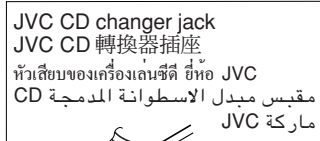
- 1 Connect the colored leads of the power cord to the car battery, speakers and power aerial (if any) in the following sequence.
1 Black: ground
2 Yellow: to car battery (constant 12 V)
3 Red: to an accessory terminal
4 Blue with white stripe (Remote out): to other equipment
5 Blue: to automatic power antenna (250 mA max.)
6 Orange with white stripe: to car light control switch
7 Brown: to cellular phone system (For details, refer to the instructions of the cellular phone.)
8 Others: to speakers

- 接線前: 仔細檢查汽車內的線路。不正確的接線會導致本機嚴重損壞。
1 按下述順序將配線束各個不同色標的導線接頭分別接至電池、揚聲器和自動升降天線(如有裝設):
1 黑色: 接地
2 黃色: 接至車裝電池(恆定 12V)
3 紅色: 接至保險絲單元內的附屬端子
4 藍色帶有白色條紋(遙控出): 接至其他音響設備
5 藍色: 接至自動升降天線(最大 250 毫安)
6 橙色帶有白色條紋: 接至汽車燈光控制開關
7 棕色: 接至行動電話系統(要了解更多資訊, 請參閱行動電話的使用說明書。)
8 其他: 接至揚聲器

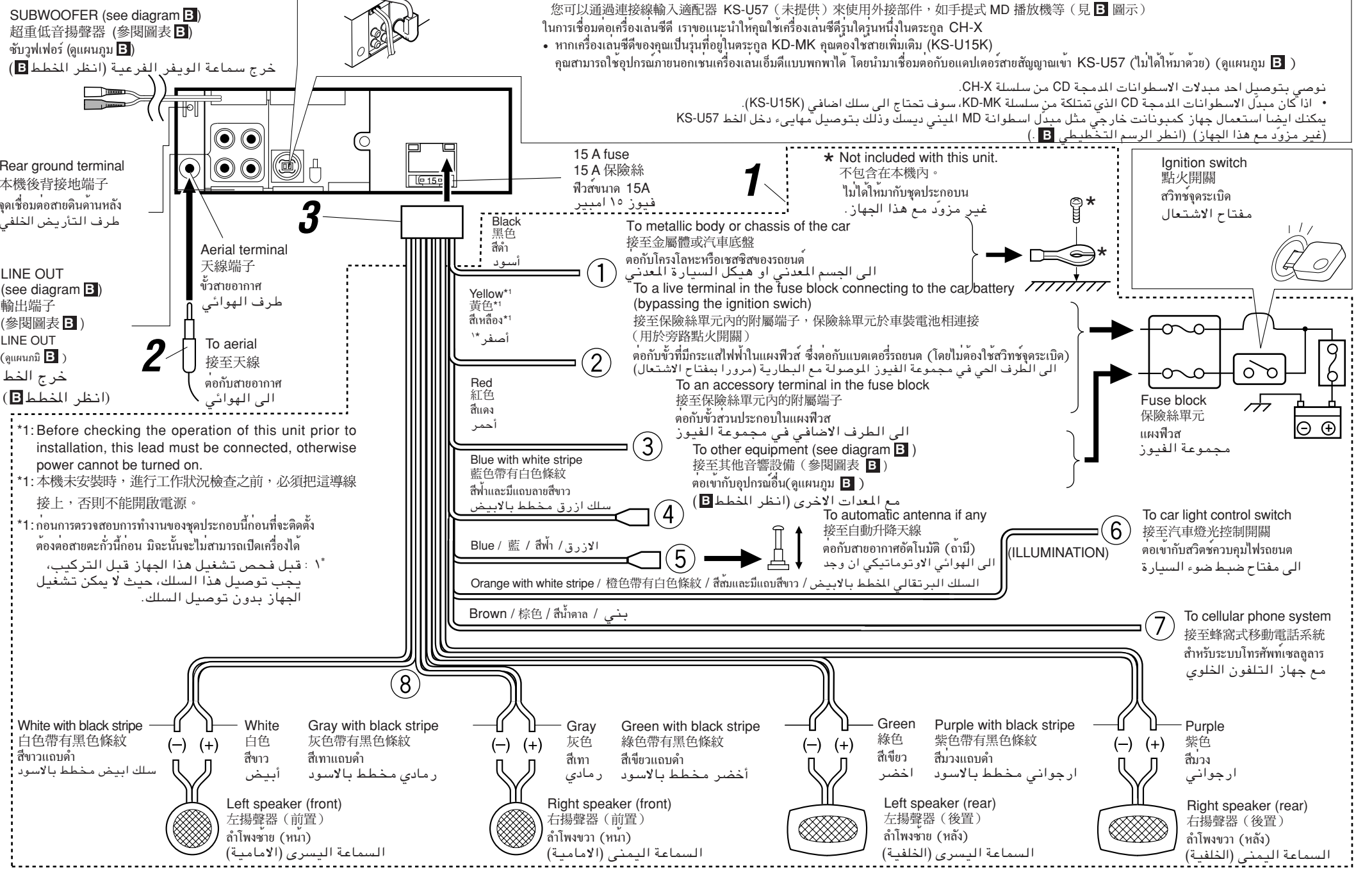
- ก่อนทำการเชื่อมต่อ: ตรวจสอบการเดินสายไฟในรถยนต์อย่างระมัดระวัง
1 เชื่อมต่อสายเคเบิลสีต่างๆ ของสายเคเบิลกำลัง (Power Cord)
1 สีดำ: สายดิน
2 สีเหลือง: ต่อกับแบตเตอรี่รถยนต์ (12 โวลท์คงที่)
3 สีแดง: ต่อกับขั้วส่วนประกอบ
4 สายสีฟ้าที่มีแถบขาว (สำหรับสัญญาณรีโมทออก): ต่อเข้ากับอุปกรณ์อื่น
5 สีฟ้า: ต่อเข้ากับเสาอากาศอัตโนมัติ (ขนาดสูงสุด 250 mA)
6 สีส้มและมีแถบลายสีขาว: ต่อเข้ากับสวิทช์ควบคุมไฟรถยนต์
7 สีน้ำตาล: สำหรับระบบโทรศัพท์มือถือ (สำหรับรายละเอียด โปรดอ่านคำแนะนำของโทรศัพท์มือถือ)
8 สีอื่น ๆ: ต่อกับลำโพง

- قبل البدء بالتوصيل: تأكد من شبكة الاسلاك في السيارة بدقة حتى لا يحدث خطأ في عملية توصيل الجهاز.
1 اوصِل الاسلاك الملونة لسلك تزويد الطاقة الكهربائية مع بطارية السيارة، السماعات والهوائي الأوتوماتيكي (أن وجد) حسب التسلسل التالي.
2 السلك الاسود: مع الارض (مع هيكل السيارة)
3 السلك الاصفر: مع بطارية السيارة (ثابت ١٢ فولت)
4 السلك الاحمر: مع الطرف الاضافي
5 السلك الازرق المخطط بالابيض (تحكم عن بعد خارجي): مع الاجهزة الاخرى.
6 السلك الازرق: مع الهوائي الاوتوماتيكي (الحد الأقصى ٢٥٠ ميلي امبير)
7 السلك البرتقالي المخطط بالابيض: مع مفتاح ضبط ضوء السيارة.
8 السلك البني: مع جهاز التلفون الخليوي (للتفاصيل، ارجع الى تعليمات التلفون الخليوي) مع السماعات
9 اوصِل سلك الهوائي.
10 اخيرا، اوصِل حامل الاسلاك مع الجهاز.

Before connecting the CD changer, make sure that the unit is turned off.
SUBWOOFER (see diagram B)
Rear ground terminal
LINE OUT (see diagram B)
LINE OUT (ดูแผนภูมิ B)
خرج الخط (انظر المخطط B)



When connecting a CD changer, we recommend to use one of the CH-X series CD changers.
If your CD changer is one of the KD-MK series, you need an optional cord (KS-U15K).
You can also use an external component such as a portable MD player by connecting the Line Input Adaptor KS-U57 (not supplied).



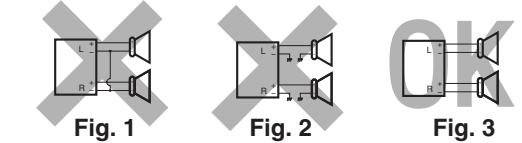
PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
Connect the black lead (ground), yellow lead (to car battery, constant 12 V), and red lead (to an accessory terminal) correctly.
BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below, DO NOT connect the unit using that original speaker wiring.
If the speaker wiring in your car is as illustrated in Fig. 3, you can connect the unit using the original speaker wiring in your car.

- 電源和揚聲器接線注意事項:
切勿把揚聲器導線接頭接至電池, 否則本機將會嚴重損壞。
正確地連接黑色導線接頭(接地)、黃色導線接頭(接車裝電池, 恆定12V)和紅色導線接頭(接至保險絲單元的附屬端子)。
在把揚聲器導線接頭接至揚聲器之前, 檢查您汽車上的揚聲器線路:
如果您汽車上揚聲器線路象圖1和圖2所示, 不要使用原裝的揚聲器線路。
如果您汽車上揚聲器線路象圖3所示, 可使用原裝的揚聲器線路與本機相連接。
如果您不能確定您汽車上揚聲器線路, 請向您的汽車分銷商詢問。

- ข้อควรระวังสำหรับการต่อแหล่งจ่ายกำลังและลำโพง:
อย่าต่อสายเคเบิลลำโพงของลำโพงเข้ากับแบตเตอรี่รถยนต์ มิฉะนั้นชุดประกอบจะได้รับความเสียหายมาก
ต่อสายเคเบิลแต่ละสีให้ถูกต้อง: สีดำ (สายดิน), สีเหลือง (เข้ากับแบตเตอรี่รถยนต์ที่มีกำลังคงที่ 12 โวลท์) และสีแดง (เข้ากับขั้วส่วนประกอบ)
ก่อนที่จะต่อสายเคเบิลลำโพงเข้ากับลำโพง ให้ตรวจสอบการเดินสายไฟลำโพงในรถของคุณให้เรียบร้อยเสียก่อน
หากการเดินสายไฟลำโพงในรถของคุณเป็นเหมือนในรูปภาพที่ 1 และรูปภาพที่ 2 ดังข้างล่างนี้ อย่าต่อชุดประกอบที่จัดการเดินสายไฟลำโพงแบบดั้งเดิมนั้น มิฉะนั้นชุดประกอบจะได้รับความเสียหายมาก ให้จัดการเดินสายไฟลำโพงใหม่ เพื่อที่คุณจะสามารถต่อชุดประกอบเข้ากับลำโพงตามรูปภาพที่ 3 ได้
หากการเดินสายไฟลำโพงในรถของคุณเป็นเหมือนในรูปภาพที่ 3 คุณสามารถต่อชุดประกอบที่จัดการเดินสายไฟลำโพงแบบดั้งเดิมในรถของคุณได้เลย
หากคุณไม่แน่ใจว่าการเดินสายไฟลำโพงในรถของคุณเป็นแบบใด ให้ปรึกษามือขายรถยนต์ของคุณ

- تنبيهات حول تزويد الطاقة الكهربائية وتوصيل السماعات:
لا توصِل اسلاك تزويد طاقة السماعات مع بطارية السيارة، لان ذلك يؤدي الى حصول ضرر للسماعات.
اوصِل السلك الاسود (الارضى)، والسلك الاصفر (مع بطارية السيارة، ثابت ١٢ فولت)، والسلك الاحمر (مع الطرف الاضافي) بشكل صحيح.
قبل توصيل اسلاك تزويد طاقة السماعات مع السماعات، افحص شبكة اسلاك السماعات داخل سيارتك.
اذا كانت شبكة اسلاك السماعات داخل سيارتك كما هي مبينة في الشكل ١ والشكل ٢ الموجود في الاسفل، لا توصِل الجهاز بواسطة استخدام شبكة اسلاك السماعات الاصلية. اذا تم توصيل الجهاز بهذه الطريقة، سيؤدي ذلك الى حصول ضرر. اعد عمل شبكة اسلاك السماعات بحيث يمكنك توصيل الجهاز مع السماعات كما هو مبين في الشكل ٣.
اذا كانت شبكة اسلاك السماعات داخل سيارتك كما هي مبينة في الشكل ٣، يمكنك توصيل الجهاز بواسطة استخدام شبكة اسلاك السماعات الاصلية داخل سيارتك.
في حالة عدم معرفتك بشبكة اسلاك السماعات داخل سيارتك، استشر الوكيل او ذوي الخبرة بهذا الخصوص.



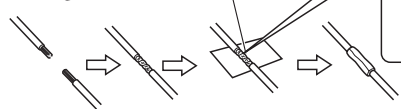
## Connecting the leads / 導線接頭的連接 / ต่อสายตะกั่ว / توصيل الاسلاك

Twist the core wires when connecting.

連接時剝掉導線的外皮。

บิดเส้นลวดแกนเพื่อเชื่อมตอ

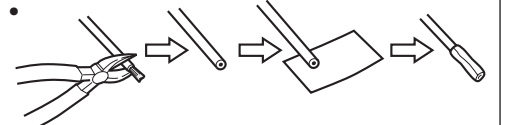
ابرم الاسلاك بشكل صحيح قبل التوصيل.



Solder the core wires to connect them securely.  
將線芯牢固地焊接在一起。  
เชื่อมมัดกรีเส้นลวดแกนทั้งหมดเข้าด้วยกัน เพื่อความปลอดภัยในการใช้งาน  
الحم الاسلاك بشكل صحيح ومحكم بعد التوصيل.

### CAUTION / 注意 / ข้อควรระวัง / تنبيه

- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- 为防止电源短路，請用絕緣帶包住未使用電線的端子。
- การป้องกันการลัดวงจร จะต้องพันขั้วสายตะกั่วที่ไม่ใช้แล้วด้วยเทปพันสายไฟ (Insulating tape)
- من اجل منع التقصير في الدوائر - الكهر بائية، ضع شريط عازل ولاصق على اطراف الاسلاك غير المستعملة.



## Connections Adding Other Equipment / 連接附加的其他音響設備 / การต่อเพิ่มเติมเข้ากับอุปกรณ์อื่น ๆ / توصيل الاجهزة الاخرى الاضافية

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:
  - Connect this unit's line-out terminals to the amplifier's line-in terminals.
  - Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused. (Cover the terminals of these unused leads with insulating tape, as illustrated above.)
- For playback source components: After connection is done, adjust and store the input level of each component (See "Adjusting the sound" on the INSTRUCTIONS (separate volume).

你可以連接放大器和其裝置以加強你的汽車音響系統功能。

- 將遙控引導端（藍色帶有白色條紋）和其他裝置上的遙控引導端連接起來，以便可以通過本機進行遙控。
- 僅適用於放大器：
  - 將本機的輸出終端和放大器輸入終端連接起來。
  - 將揚聲器和本機斷開，再接上放大器。將本機的揚聲器接線放置不用。（按照上面所示的方式，用絕緣膠把不用的線端包起來。）
- 要播放其他音源設備：連接完畢後，請調整各項設備的輸入水平，並儲存起來。（請參閱使用說明書上的“調整音量”部分）（另外一冊）。

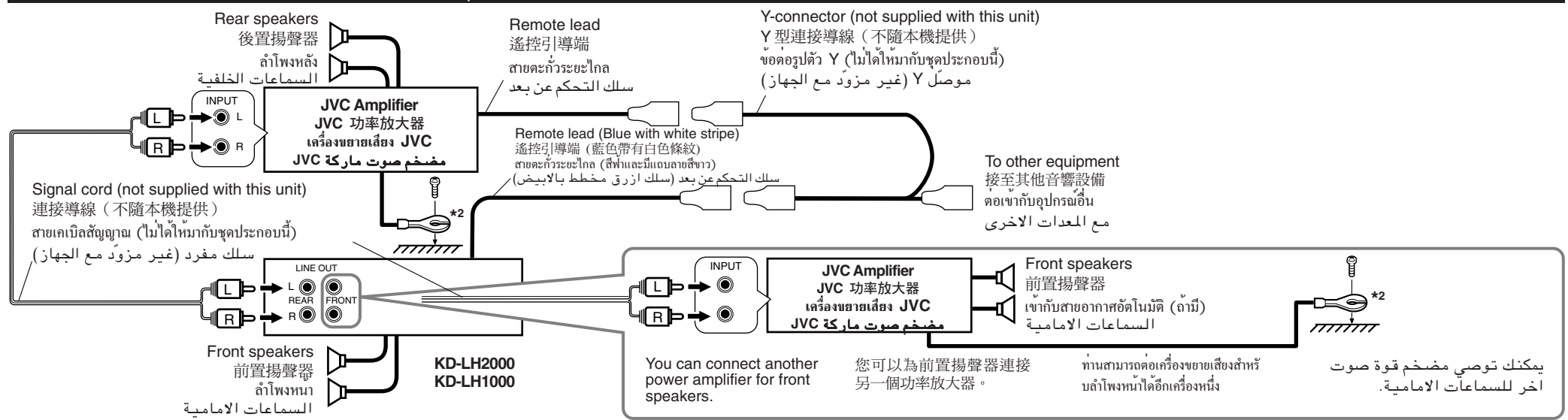
คุณสามารถต่อเครื่องขยายและอุปกรณ์อื่น ๆ เพื่ออัพเกรดระบบเครื่องเสียงในรถยนต์ของคุณได้

- ต่อสายตะกั่วระยะไกล (สีน้ำเงินลายขาว) เข้ากับสายตะกั่วระยะไกลของอุปกรณ์อื่น ๆ เพื่อจะสามารถควบคุมโดยอุปกรณ์นี้ได้
- สำหรับเครื่องขยายเท่านั้น :
  - ต่อขั้วสายออก (Line-out) ของชุดประกอบนี้เข้ากับขั้วสายเข้า (Line-in) ของเครื่องขยาย
  - ถอดลำโพงออกจากชุดประกอบนี้ แล้วต่อเข้ากับเครื่องขยาย
- ทั้งสายตะกั่วลำโพงของชุดประกอบนี้ไว้ (พันขั้วของสายตะกั่วที่ไม่ได้ใช้เหล่านี้ให้รอบด้วยเทปพันสายไฟ ที่จั่วอย่างข้างบน)
- สำหรับการเล่นแหล่งให้เสียงของชุดประกอบนี้ หลังจากต่ออุปกรณ์เข้ากับเครื่องเรียบร้อยแล้ว ให้ปรับและบันทึกระดับพลังเสียงเข้าของชุด ประกอบแต่ละชุด (ดูหัวข้อการปรับเสียงฯ ในคู่มือการฯ (คนละเล่ม)

يمكنك توصيل مضخم صوت وجهاز اخر لتحسين اداء جهاز ستيريو السيارة.

- اوصل سلك التحكم عن بعد (الازرق المخطط بالابيض) مع سلك التحكم عن بعد للجهاز الاخر بحيث يتم التحكم بالجهاز من خلال هذا الجهاز.
- لمضخم الصوت:
  - اوصل اطراف خرج - الخط لهذا الجهاز مع اطراف دخل - الخط لمضخم الصوت.
  - افصل السماعات من هذا الجهاز، اوصلهم مع مضخم الصوت. اترك اسلاك سماعات هذا الجهاز بدون استعمال.
- لتشغيل اجهزة كمبونات المصدر: بعد عمل التوصيل، اضبط واخزن مستوى الدخل لكل جهاز كمبونات (انظر قسم «ضبط الصوت» الموجود في تعليمات التشغيل (كتاب منفصل).

## Amplifier / 功率放大器 / เครื่องขยาย / مضخم الصوت



- \*2 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 this unit.
- \*2 將地線與金屬車體或者汽車底盤緊密連接，連接處應該沒有被油漆覆蓋（如果已塗上油漆，在連接電線前，將油漆刮去）。如果不這樣做，可能會損壞本機。
- \*2 ต่อลวดสายดินให้แน่นเข้ากับตัวถังเหล็ก หรือตัวถังรถ - ตรงส่วน ที่ไม่มีสีเคลือบ (หากมีสีเคลือบอยู่ ให้ขูดสีออกก่อน ก่อนต่อลวดสายดิน) หากไม่มีสีเคลือบตามคำแนะนำนี้ เครื่องอาจชำรุดหรือเสียหายได้
- \*2 妥善連接地線至金屬車身或車架，連接處應無塗漆（若已塗漆，連接前請先刮去塗漆）。若未如此操作，可能會損壞本機。

## External Component / 外接部件 / อุปกรณ์ภายนอก / جهاز الكمبونات الخارجي

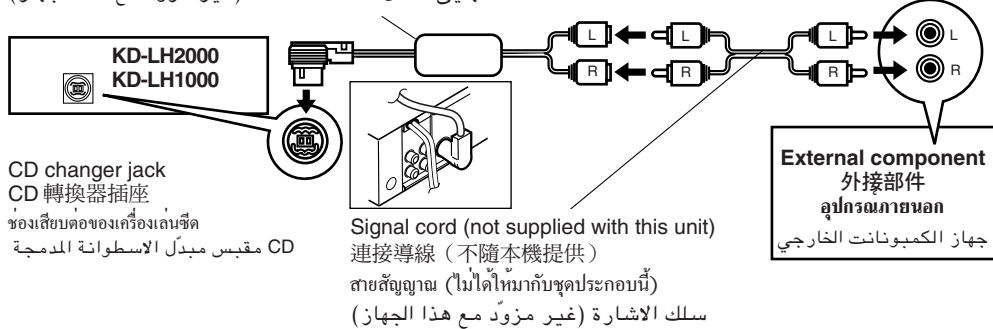
### External component / 外接部件 / อุปกรณ์ภายนอก / جهاز الكمبونات الخارجي

Line Input Adaptor KS-U57 (not supplied with this unit)

線輸入適配器 KS-U57 (不隨本機提供)

อะแดปเตอร์สายสัญญาณเข้า KS-U57 (ไม่ได้ให้มาพร้อมกับชุดประกอบนี้)

مهباىء دخل الخط KS-U57 (غير مزود مع هذا الجهاز)



See page 34 on the INSTRUCTIONS (separate volume)

請參閱 34 頁使用說明書 (另一冊)

ดูหน้า 34 ของคู่มือการฯ (คนละเล่ม)

انظر صفحة ٣٤ من كتيب تعليمات التشغيل (كتاب منفصل)

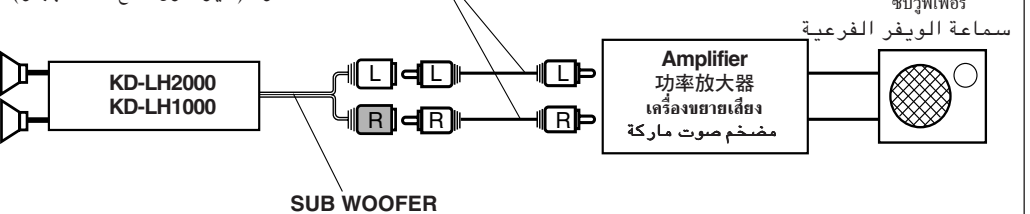
### Subwoofer / 超重低音揚聲器 / ซับวูฟเฟอร์ / سماعة الويفر الفرعية

Signal cord (not supplied with this unit)

連接導線 (不隨本機提供)

สายสัญญาณ (ไม่ได้ให้มาพร้อมกับชุดประกอบนี้)

سلك الاشارة (غير مزود مع هذا الجهاز)



## 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?
- Unit becomes hot.**
  - Is the speaker output lead grounded?
  - Are the “-” terminals of L and R speakers grounded in common?

## 故障排除

- 保險絲燒斷。
  - 檢查紅色導線接頭和黑色導線接頭是否連接正確？
- 電源不能接通。
  - 檢查黃色導線接頭是否接上？
- 揚聲器沒有聲音。
  - 檢查揚聲器輸出導線接頭是否短路？
- 聲音失真。
  - 檢查揚聲器輸出端子是否接地？
  - 檢查揚聲器的左 (L)、右 (R) 端子的負極 (-) 是否共同接地？
- 本機發熱。
  - 檢查揚聲器輸出端子是否接地？
  - 檢查揚聲器的左 (L)、右 (R) 端子的負極 (-) 是否共同接地？

## การตรวจสอบปัญหาข้อข้อง

- ฟิวส์ขาด
  - มีการเชื่อมสายตะกั่วสีแดงและสีดำอย่างถูกต้องหรือไม่
- ไม่สามารถเปิดเครื่องได้
  - มีการเชื่อมสายตะกั่วสีเหลืองหรือไม่
- ไม่มีเสียงออกจากลำโพง
  - สายตะกั่วส่วนที่ออกทางลำโพงเกิดไฟฟ้ลัดวงจรหรือไม่
- เสียงเพี้ยน
  - สายตะกั่วส่วนที่ออกทางลำโพงต่อลงดินหรือไม่
  - สายขั้วลบ ของลำโพงคนซ้ายและขวาต่อลงดินตามปกติหรือไม่
- ชุดประกอบร้อนขึ้น
  - สายตะกั่วที่ออกทางลำโพงต่อลงดินหรือไม่
  - สายขั้วลบ ของลำโพงคนซ้ายและขวาต่อลงดินตามปกติหรือไม่

## البحث عن الاعطال والاصلاح

- يحترق الفيوز.
  - هل السلك الاحمر والاسود موصولة بشكل صحيح؟
- لا يمكن توصيل الطاقة الكهربائية.
  - هل السلك الاصفر موصول؟
- لا يصدر صوت من السماعات.
  - هل هناك تقصير في دائرة سلك خرج السماعة؟
- الصوت مشوه.
  - هل سلك خرج السماعة موصول بالارض؟
  - هل الاطراف السالبة «-» للسماعة اليسرى L واليمنى R موصولة بالارض مع بعض؟
- يسخن الجهاز.
  - هل سلك خرج السماعة موصول بالارض؟
  - هل الاطراف السالبة «-» للسماعة اليسرى L واليمنى R موصولة بالارض مع بعض؟

## CAUTION/ 警告 / ระวัง / تنبيه

### ENGLISH

When attaching the control panel, wipe the connector with a cotton swab or cloth, being careful not to damage the connector.

### 中文

當裝上控制面板時，請使用棉花棒或揩布來擦拭連接器。小心進行別弄壞連接器。

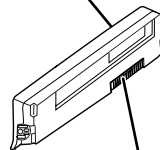
### ไทย

เมื่อติดตั้งแผงควบคุม เช็ดตัวเชื่อมต่อด้วยสำลีหรือผ้าชุบหมาด โปรดระวังอย่าทำให้ตัวเชื่อมต่อเสียหาย

### عربي

عند توصيل لوحة التحكم، امسح الموصل بممسحة قطنية او قطعة قماش قطنية، وانتبه من اجل عدم تضرر الموصل.

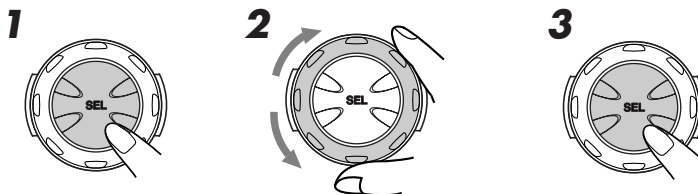
Control panel  
控制面板  
แผงควบคุม  
لوحة التحكم



Connector  
連接器  
ตัวเชื่อมต่อ  
الموصل

LV43135-003A

# Canceling the display demonstration / 解除顯示屏示範 / การยกเลิกการแสดงตัวอย่าง الغاء وظيفة استعراض شاشة العرض



## ENGLISH

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

**It is recommended to cancel the 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 "MovieDemo" appears on the display.
2. Select "Off."
3. Press SEL (select).

## 中文

本機出廠時，顯示屏示範(MovieDemo)已被設定在啟動的位置，當您超過大約 20 秒鐘不進行任何操作時，顯示屏示範即會自動出現。

當您第一次使用主機時，建議您最好解除顯示屏示範。

想要解除顯示屏示範時，請按照下述步驟進行操作：

1. 持續按住SEL（選擇）鍵 2 秒鐘以上，使“MovieDemo”字樣在顯示屏上出現。
2. 選擇“Off”。
3. 按 SEL（選擇）鍵。

## ไทย

เมื่อเครื่องเล่นนี้ถูกส่งมาจากโรงงานจะมีการตั้งค่าใช้งานการแสดงผลตัวอย่าง (MovieDemo)ไว้และจะเริ่มขึ้นโดยอัตโนมัติหากไม่มีการใช้งานใดๆเป็นเวลา 20 วินาที

**ขอแนะนำให้ยกเลิกการแสดงผลตัวอย่างก่อนการใช้งานเครื่องในครั้งแรก**

ในการยกเลิกการแสดงผลตัวอย่างให้ปฏิบัติตามขั้นตอนดังนี้:

1. กด SEL (เลือก) ค้างไว้อย่างน้อย 2 วินาที เพื่อให้ "MovieDemo" ปรากฏขึ้นบนจอแสดงผล
2. เลือก "Off"
3. กด SEL (เลือก)

## عربي

عند الشحن من المصنع، تم تنشيط وظيفة استعراض شاشة العرض (MovieDemo)، ويبدأ الاستعراض أوتوماتيكيا في حالة عدم اجراء عمليات تشغيل لمدة ٢٠ ثانية تقريبا.

**ننصح بالغاء وضع الاستعراض قبل استعمال الجهاز للمرة الاولى.**

الغاء وظيفة استعراض شاشة العرض،  
اتبع الاجراء في الاسفل:

١. اضغط وتابع الضغط على الزر SEL (الاختيار) لمدة اكثر من ٢ ثانية حتى تظهر اشارة استعراض الفلم "MovieDemo" على شاشة العرض.  
٢. اختر ايقاف "Off".
٣. اضغط اختر SEL (الاختيار).