



# KD-X250BT

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## DIGITAL MEDIA RECEIVER INSTRUCTION MANUAL

JVC KENWOOD Corporation



Please read all instructions carefully before operation to obtain the best possible performance from the unit.

### **⚠ Warning**

Do not operate any function that takes your attention away from safe driving.

### **⚠ Caution**

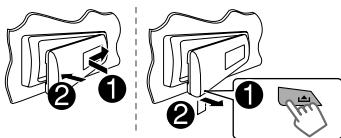
#### **Volume setting:**

- Adjust the volume so that you can hear sounds outside the car to prevent accident.
- Lower the volume before playing digital sources to avoid damaging the speakers by the sudden increase of the output level.

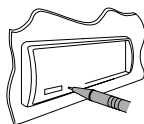
#### **General:**

- Avoid using the USB device or iPod/iPhone if it might hinder driving safety.
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of recorded data.
- Never put or leave any metallic objects (such as coins or metal tools) inside the unit, to prevent a short circuit.

## **How to attach/detach the faceplate**



## **How to reset your unit**



Your preset adjustments will also be erased.

## **Maintenance**

### **■ Cleaning the unit**

Wipe off dirt on the faceplate with a dry silicon or soft cloth.

### **■ Cleaning the connector**

Detach the faceplate and clean the connector with a cotton swab gently, taking care not to damage the connector.

### **■ How to read this manual:**

- This manual mainly explains operations using the buttons on the faceplate.
- < > indicates the displays on the faceplate.
- [XX] indicates the initial setting of a menu item.








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













## Preparation

### Canceling the display demonstration

The display demonstration is always turned on unless you cancel it.

- 1 Press **MENU** (Hold).  
 
- 2 Press the **DOWN** arrow.  
 
- 3 Select **<DEMO OFF>**.  
  → 
- 4 Press **MENU** to exit.

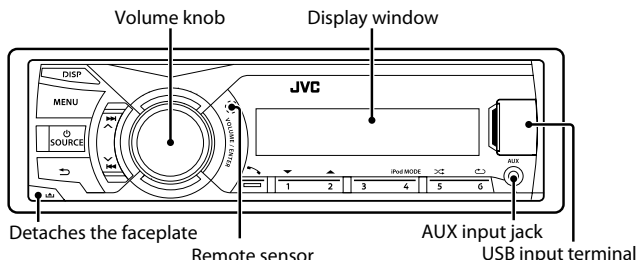
### Setting the clock

- 1 Press **MENU** (Hold).  
 
- 2 Select **<CLOCK>**.  
  → 
- 3 Select **<CLOCK SET>**.  
 → 
- 4 Select the day of week.  
  → 
- 5 Adjust the hour.  
  → 
- 6 Adjust the minute.  
  → 
- 7 Press **MENU** to exit.

# Basic operations

## Faceplate










## Remote control



Remote sensor

- Aim the remote control directly at the sensor.
- DO NOT expose to bright sunlight.

## When you press or hold the following button(s)...

Faceplate	Remote control	General function
 <b>SOURCE</b>	—	<ul style="list-style-type: none"> <li>• Turns on.</li> <li>• Turns off. (Hold)</li> <li>• Press the  <b>SOURCE</b> button on the faceplate and turn the volume knob within 2 seconds to select the source.</li> </ul>
	<b>SOURCE</b>	Press repeatedly to select the source.
Volume knob (turn)	<b>VOL - / +</b>	Adjusts the volume level.
	—	Selects items.
Volume knob (press)		<ul style="list-style-type: none"> <li>• Mutes the sound or pauses playback.</li> <li>• Press the button again to cancel muting or resume playback.</li> </ul>
	—	Confirms selection.
Number buttons (1 - 6)	—	<ul style="list-style-type: none"> <li>• Selects the preset stations.</li> <li>• Stores the current station into the selected number button. (Hold) (☞ page 6)</li> </ul>
	<b>SOUND</b>	Selects the preset sound mode.
	—	<ul style="list-style-type: none"> <li>• Enters the hands-free menu (☞ page 14), or answers incoming call when the unit rings.</li> <li>• Ends a call. (Hold)</li> </ul>
	—	Returns to the previous menu.
		<ul style="list-style-type: none"> <li>• Selects a preset station. (Only when using the remote control.)</li> <li>• Selects MP3/WMA folder. (☞ page 8)</li> <li>• Selects group/folder. (☞ page 17)</li> </ul>
		<ul style="list-style-type: none"> <li>• Searches for a station automatically. (☞ page 6)</li> <li>• Searches for a station manually. (Hold)</li> </ul>
		<ul style="list-style-type: none"> <li>• Selects track. (☞ page 8, 9, 17)</li> <li>• Fast-forwards or reverses track. (Hold)</li> </ul>
		

## Display information



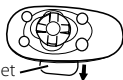
Changes the display information. (Press)  
Scrolls the current display information. (Hold)

Source	Display
<b>FM/AM/SW1/SW2</b>	Frequency ↔ Day/Clock
<b>USB/BT AUDIO</b>	Album title/Artist → Track title → Track no./Playing time → Day/Clock → (back to the beginning)
<b>USB-IPOD (HEAD MODE/IPOD MODE)</b>	
<b>USB-IPOD (EXT MODE)</b>	EXT MODE ↔ Day/Clock
<b>AUX</b>	AUX ↔ Day/Clock

## Remote control

### Preparing

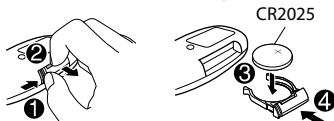
When you use the remote control for the first time, pull out the insulation sheet.



Insulation sheet

### Replacing the lithium coin battery

- If the effectiveness of the remote control decreases, replace the battery.

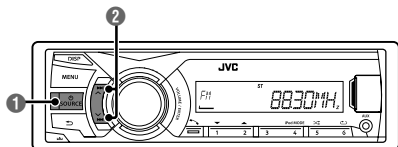


### Caution

- Do not leave the remote control in hot places such as on the dashboard.
- The lithium battery is in danger of explosion if replaced incorrectly. Replace it only with the same or equivalent type.
- The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Keep battery out of reach of children and in original package until ready to use. Dispose of used batteries promptly. If swallowed, contact a physician immediately.

# Radio

## Searching for a station



- 1 Select <FM>, <AM>, <SW1> or <SW2>.
- 2 Auto search. (Press)  
Manual search. (Hold)  
"M" flashes, then press the button repeatedly.

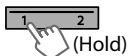
"ST" lights up when receiving an FM stereo broadcast with sufficient signal strength.

## Storing stations in memory

### Manual presetting

You can preset up to 18 stations for FM, 6 stations for AM, SW1 and SW2.

While listening to a station...



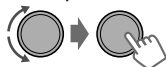
The preset number flashes and "MEMORY" appears. The current station is stored to the selected number button (1 - 6).

-----or-----



"PRESET MODE" flashes.

- 2 Select preset number.



The preset number flashes and "MEMORY" appears.

### Auto presetting (FM only) SSM (Strong-station Sequential Memory)

You can preset up to 18 stations for FM.

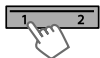


- 2 → <TUNER>  
 → <SSM>  
 → <SSM 01 - 06>

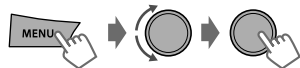
"SSM" flashes. When all the stations are stored, "SSM" stops flashing.

To preset <SSM 07 - 12>/<SSM 13 - 18>, repeat steps 1 and 2.

## Selecting a preset station



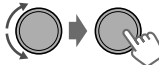
-----or-----



## Setting the Radio Timer

You can tune in to a preset station at a specific time regardless of the current source.

1  (Hold)

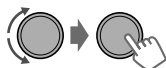
2  →<TUNER>  
→<RADIO TIMER>  
→<OFF>/<ONCE>/  
<DAILY>/<WEEKLY>

<b>[OFF]</b>	Cancels Radio Timer.
ONCE	Activates once.
DAILY	Activates daily.
WEEKLY	Activates weekly.


3 Select the preset station.

 →<FM>/<AM>/<SW1>/  
<SW2>  
→<01> ... <18> for FM/  
<01> ... <06> for AM/  
SW1/SW2

4 Set the activation day and time.

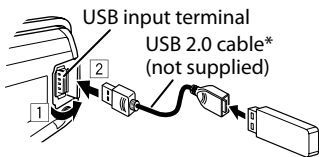


5 Press **MENU** to exit.

-  lights up after the Radio Timer has been set.
- Only one timer can be set. Setting a new timer will override the previous setting.
- The Radio Timer will not activate if the unit is turned off or if <AM>/<SW1>/<SW2> is set to <OFF> in <SRC SELECT> after selecting an AM/SW1/SW2 station for the timer.

# USB

## Playing a USB device

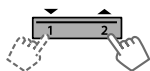


The source changes to "USB" and playback starts.

\* Do not leave the cable in the car when not in use.

- This unit can play MP3/WMA files stored in USB mass storage device (such as a USB memory and Digital Audio Player).

## Selecting a folder/track

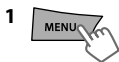


Selects folder.

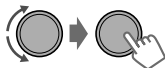


- Selects track. (Press)
- Fast-forwards or reverses the track. (Hold)

## Selecting a track/folder from the list



- 1
- 2 Select a folder. (For MP3/WMA)



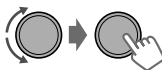
----- or -----

Select the desired list. (For JVC Playlist Creator (JPC) and JVC Music Control (JMC) file) (see page 23)



PLAYLISTS, ARTISTS, ALBUMS, SONGS, GENRES

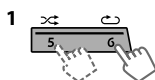
- 3 Select a track.



If the USB device contains many folders or tracks, you can fast search for the desired folder or track by turning the volume knob quickly.

## Selecting the playback modes

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



Press **6** for REPEAT.  
Press **5** for RANDOM.

- 2 Press the button repeatedly.

### REPEAT

RPT OFF	Cancels repeat playback.
TRACK RPT	Repeats current track.
FOLDER RPT	Repeats current folder.

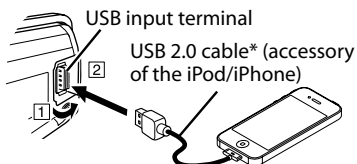
- "FOLDER RPT" is not applicable for JPC/JMC file.

### RANDOM

RND OFF	Cancels random playback.
FOLDER RND	Randomly plays all tracks of current folder, then tracks of next folders.
ALL RND	Randomly plays all tracks.

# iPod/iPhone

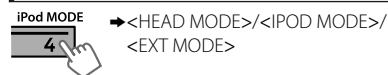
## Playing an iPod/iPhone



The source changes to "USB" → "USB-IPOD" and playback starts.

\* Do not leave the cable in the car when not in use.

## Selecting the control mode



HEAD MODE	Controls music playback only from this unit.
IPOD MODE	Controls music playback from both the unit and iPod/iPhone.
EXT MODE	Controls music playback only from the iPod/iPhone.

- You can also change the setting using <IPOD SWITCH> in the menu. (☞ page 20)

## Selecting a track

Applicable under <HEAD MODE>/<IPOD MODE> only.



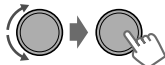
- Selects track/chapter. (Press)
- Fast-forwards or reverses the track. (Hold)

## Selecting a track from the list

Applicable under <HEAD MODE> only.

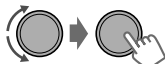


- Select the desired list.



PLAYLISTS ↔ ARTISTS ↔ ALBUMS ↔ SONGS ↔  
PODCASTS ↔ GENRES ↔ COMPOSERS ↔ (back to the beginning)

- Select the desired track.



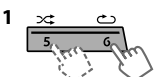
Repeat this step until the desired track is selected.

- If the selected menu contains many tracks, you can fast search for the desired track by turning the volume knob quickly.

## Selecting the playback modes

Applicable under <HEAD MODE> only.

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



Press **6** for REPEAT.  
Press **5** for RANDOM.

- Press the button repeatedly.

### REPEAT ↺

ONE RPT	Functions the same as "Repeat One" of the iPod.
ALL RPT	Functions the same as "Repeat All" of the iPod.

### RANDOM ↻

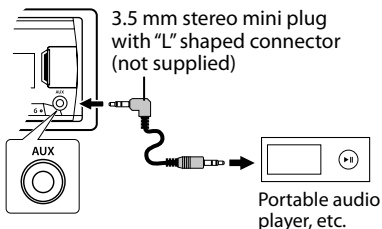
RND OFF	Cancels random playback.
SONG RND	Functions the same as "Shuffle Songs" of the iPod.
ALBUM RND	Functions the same as "Shuffle Albums" of the iPod.

- "ALBUM RND" is not applicable for some iPod/iPhone.

## External components

You can connect an external component to the AUX (auxiliary) input jack on the faceplate. For details, refer also to the instructions supplied with the external components.

### Playing an external component from AUX



- 1 Connect to AUX terminal on the faceplate.
- 2 Select <AUX>.
- 3 Turn on the connected component and start playing the source.



Use a 3-terminal plug head stereo mini plug for optimum audio output.

## Bluetooth® connection

You can operate Bluetooth devices using this unit.

- If you turn off the unit or detach the faceplate during a phone call conversation, the Bluetooth connection is disconnected. Continue the conversation using your mobile phone.

### This unit supports the following Bluetooth profiles

- Hands-Free Profile (HFP 1.5)
- Object Push Profile (OPP 1.1)
- Phonebook Access Profile (PBAP 1.0)
- Advanced Audio Distribution Profile (A2DP 1.2)
- Audio/Video Remote Control Profile (AVRCP 1.3)

### ■ Connecting the microphone

Secure using cord clamps (not supplied) if necessary.



Microphone (supplied)

MIC (Microphone input terminal)

Adjust the microphone angle.



Rear panel



## Pairing a Bluetooth device

When connecting a Bluetooth device to the unit for the first time, perform pairing between the unit and the device.

- Up to five Bluetooth devices can be registered in this unit.
- A maximum of two Bluetooth phones and one Bluetooth audio device can be connected at any time.
- This unit supports Secure Simple Pairing (SSP).

### 1 Search and select "JVC UNIT" on the Bluetooth device.

"BT PAIRING" flashes on the display.

- For some Bluetooth devices, you may need to enter the Personal Identification Number (PIN) code immediately after searching.

### 2 Perform (A) or (B) depending on what scrolls on the display.

- For some Bluetooth devices, pairing sequence may vary from the steps described below

**(A) If "[Device Name]" ⇒ "XXXXXX" ⇒ "VOL – YES" ⇒ "BACK – NO" scrolls on the display,**

- "XXXXXX" is a 6-digit passkey randomly generated during each pairing.

**1** Ensure that the passkey which appears on the unit and Bluetooth device is the same.

**2** Select "YES" to confirm the passkey.



**3** Operate the Bluetooth device to confirm the passkey.

**(B) If "[Device Name]" ⇒ "VOL – YES" ⇒ "BACK – NO" scrolls on the display,**

**1** Select "YES" to start the pairing.






**2** (1) If "PAIRING" ⇒ "PIN 0000" scrolls on the display, enter the PIN code "0000" into the Bluetooth device.

- You can change to a desired PIN code before pairing. (page 21)

(2) If only "PAIRING" appears, operate the Bluetooth device to confirm pairing.

After pairing is successful, "PAIRING COMPLETED" appears on the display.


The unit will establish a connection with the newly paired Bluetooth device,  lights up on the display and you can now control the Bluetooth device through the unit.

-  will light up when a phone is connected.
-  will light up when an audio device is connected.
- Once the connection is established, the device is registered to the unit and there is no need to perform the pairing again unless you delete the registered device.
- Some Bluetooth devices may not be able to connect to the unit after pairing. Connect the device to the unit manually. Refer to the instruction manual of the Bluetooth device for more information.

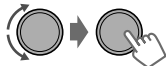
See page 12 for Bluetooth compatibility check mode operation.

## Connecting/Disconnecting a registered device manually

### To connect

- 1  (Hold)
- 2 Select <CONNECT>.
  - ➔ <BLUETOOTH>
  - ➔ <PHONE>/<AUDIO>
  - ➔ <CONNECT>


### Select the desired device.



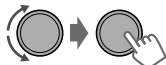
"CONNECTING" ⇒ "[Device Name]" scrolls on the display when the unit is connecting to the device.  
 "CONNECTED" ⇒ "[Device Name]" scrolls on the display when the device is connected.

### Press MENU to exit.

### To disconnect

- 1  (Hold)
- 2 Select <DISCONNECT>.
  - ➔ <BLUETOOTH>
  - ➔ <PHONE>/<AUDIO>
  - ➔ <DISCONNECT>


### Select the desired device.



"DISCONNECT" ⇒ "[Device Name]" scrolls on the display when the device is disconnected.

### Press MENU to exit.

## Deleting a registered device

- 1  (Hold)
- 2 Select <DELETE YES>.
  - ➔ <BLUETOOTH>
  - ➔ <DELETE PAIR>
  - ➔ [Device name]
  - ➔ <DELETE YES>

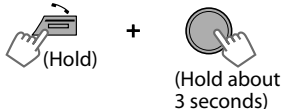
"DELETED" appears when the device is deleted.

### Press MENU to exit.

## Bluetooth compatibility check mode

You can check the connectivity of the supported profile between the Bluetooth device and the unit.

### 1 Enter check mode.



"BLUETOOTH" ⇔ "CHECK MODE" appears.  
 "SEARCH NOW USING PHONE" ⇒ "PIN IS 0000" scrolls on the display.

### 2 Search and select "JVC UNIT" on the Bluetooth device within 3 minutes.

### 3 Perform pairing (A), (B) or (C) depending on what appears on the display.

**(A) "PAIRING" ⇒ "XXXXXX" (6-digit passkey):**  
 Ensure that the same passkey appears on the unit and Bluetooth device, then operate the Bluetooth device to confirm the passkey.

**(B) "PAIRING" ⇒ "PIN IS 0000":**  
 Enter "0000" on the Bluetooth device.

**(C) "PAIRING":**  
 Operate the Bluetooth device to confirm pairing.


After pairing is successful, "PAIRING OK" ⇒ "[Device Name]" appears and Bluetooth compatibility check starts.

If "CONNECT NOW USING PHONE" appears, operate the Bluetooth device to allow phonebook access to continue.

The connectivity result flashes on the display.

- "H.FREE OK" \*1 and/or "A. STREAM OK" \*2 ⇒ "[Device Name]": Compatible
- "CONNECT FAIL" ⇔ "TRY CONNECT": Not compatible
  - \*1: Compatible with Hands-Free Profile (HFP)
  - \*2: Compatible with Advanced Audio Distribution Profile (A2DP)

After 30 seconds, "PAIRING DELETED" appears to indicate that pairing has been deleted, and the unit exits check mode.

- To cancel check mode, turn off the unit by pressing and holding  **SOURCE**.
- Delete the pairing on the Bluetooth device before pairing with this unit. (☞ page 11)

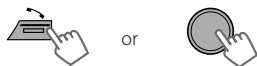
# Bluetooth mobile phone

## Receiving a call

### To receive a call

When there is an incoming call, the source automatically changes to Bluetooth Phone mode.

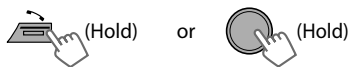
- "RECEIVING" appears on the display, followed by the phone number or name.



You can also press ▲/▼/◀▶/SOURCE on the remote control to answer a call.

- When <AUTO ANSWER> is set to a selected time, the unit answers incoming call automatically. (☞ page 16)

### To reject an incoming call or end a call



You can also press and hold ▲/▼/◀▶/SOURCE on the remote control to end a call.

### To deactivate/activate hands-free mode

During a phone conversation...



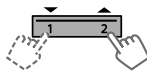
- Operations may vary according to the connected Bluetooth device.

## Adjustments during a call



### Phone volume (00 — 50)

**[VOLUME 15]:** Volume adjustments made during a call will not affect the other sources.



### Microphone level

**(01 — 03) [02]:** As the number increases, the microphone becomes more sensitive.



### Echo cancellation

**(01 — 10) [04]:** Set the echo cancellation delay time for clearer sound.

## Text message notification

When a text message is received, the unit rings and "RCV MESSAGE"⇒"[Device name]" appears.

- <MSG NOTICE> must be set to <ON>. (☞ page 16)
- You cannot read, edit, or send a message through the unit.
- To clear the message, press any button.
- This feature is only available on certain phones.

## Switching between two connected mobile phones

When two mobile phones are connected to the unit, you can access to both hands-free menus.

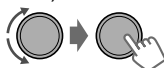
- Press to enter 1st phone's hands-free menu.
- Press twice to enter 2nd phone's hands-free menu.
- Press to return to 1st phone's hands-free menu.

## Making a call from the hands-free menu

### 1 Enter the hands-free menu.



### 2 Select a calling method (see following table).



Repeat this step until the desired item is selected.

- To return to the previous hierarchy, press
- To cancel, press

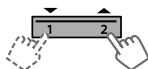
RECENT CALL	<p>Select the name/phone number → Call</p> <ul style="list-style-type: none"> <li>• “&gt;” indicates call received, “&lt;” indicates call made, “M” indicates missed call.</li> <li>• “NO HISTORY” appears if there is no recorded call history.</li> </ul>																										
PHONEBOOK	<p>Select name → Confirm → Select phone number → Call</p> <p>If the phonebook contains many numbers, you can fast search for the desired number by turning the volume knob quickly, or use Quick Search (see below).</p> <ul style="list-style-type: none"> <li>• “NO DATA” appears if no entries are found in the Bluetooth device’s phonebook.</li> <li>• “SEND P.BOOK MANUALLY” appears if &lt;P.BOOK SEL&gt; is set to &lt;PB IN UNIT&gt; or the phone does not support PBAP. (see page 16)</li> </ul>																										
DIAL NUMBER	<p>Enter the phone number to dial.</p> <p>Select number/character → Move the entry position → Call</p> <p>Repeat these steps until you finish entering the phone number.</p> <table border="1" data-bbox="295 1001 588 1048"> <tbody> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>*</td><td>#</td><td>+</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>	0	1	2	3	4	5	6	7	8	9	*	#	+													
0	1	2	3	4	5	6	7	8	9	*	#	+															
VOICE	Activates Voice Recognition of the phone. (see page 15)																										

### Quick Search

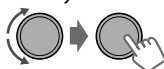
If you have many contacts, you can search through them quickly according to the first character (A to Z, 0 to 9 and OTHERS).

- “OTHERS” appears if the first character is not A to Z or 0 to 9.
- While in the <PHONEBOOK> setting...

### 1 Select the desired character.



### 2 Select your desired contact.



## Making a call from memory

You can store up to 6 contacts in the memory of this unit for speed dialing.

### To store contacts in memory

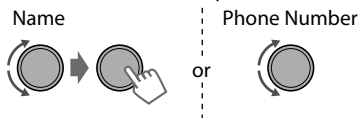
- 1 Enter the hands-free menu.



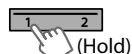
- 2 Select a call method.



- 3 Select a contact (name/phone number).



- 4 Store in memory.



"MEMORY PX" flashes. The contact is stored to the selected number button (1 - 6).

- To erase a contact from preset memory, select <DIAL NUMBER> in step 2 and store a blank number.

### To make a call from memory

- 1 Enter the hands-free menu.



- 2 Select and call the contact.



- "NO PRESET" appears if there are no contacts stored in memory.

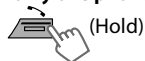
## Using voice recognition

You can use the voice recognition features of the connected phone through this unit.

- "NOT SUPPORT" appears if the connected phone does not support this feature.

- 1 Enter voice recognition mode.

If only one phone is connected,



If two phones are connected,

Enter "phone list" Select the desired phone



- 2 When "VOICE CTRL"⇒ "[Device Name]" scrolls on the display, speak the name of the contact you want to call or the voice command to control the phone functions.

- Supported voice recognition features vary for each phone. Please refer to the instruction manual of the connected phone for details.
- This unit also supports the intelligent personal assistant function of iPhone.

## Deleting a contact (name/ phone number)

Only when <P.BOOK SEL> is set to <PB IN UNIT>.

(see page 16)

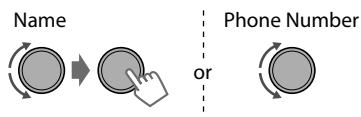
- 1 Enter the hands-free menu.



- 2 Select a call method.



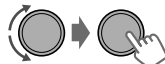
- 3 Select the contact (name/phone number) to be deleted.



- 4 Enter "Delete Entries" menu.



- 5 Select <DELETE> or <DELETE ALL>.



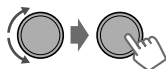
DELETE	Selected name/phone number from step 3 is deleted.
DELETE ALL	All names/phone numbers from selected menu in step 2 are deleted.

## Using the SETTINGS menu

- 1 Enter the hands-free menu.



- 2 Select <SETTINGS>.



- 3 Repeat this step to perform the necessary settings.



- To return to the previous menu, press ↶.
- To exit from the menu, press ↵.

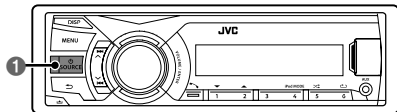
The following settings are applicable to the paired device. If another device is paired, perform the settings again.

Menu item	Selectable setting (Initial: [XX])
<b>P.BOOK SEL *</b>	<b>[PB IN PHONE]:</b> The unit browses the phonebook of the connected phone. <b>[PB IN UNIT]:</b> The unit browses the phonebook registered in the unit. (You can copy the phonebook memory using <P.BOOK WAIT> (☰ page 21).)
<b>AUTO ANSWER</b>	<b>03 SEC/05 SEC/10 SEC:</b> The unit answers incoming calls automatically in 3/5/10 seconds. <b>[OFF]:</b> Cancels.
<b>RING TONE</b>	<b>[IN UNIT]:</b> The unit rings to notify you when a call/text message comes in. – <b>CALL:</b> Select your preferred ring tone ( <b>TONE 1 — 5</b> ) for incoming calls. – <b>MESSAGE:</b> Select your preferred ring tone ( <b>TONE 1 — 5</b> ) for incoming text messages. • Default ring tone is different according to the paired device. <b>[IN PHONE]:</b> The unit uses the connected phones' ring tone to notify you when a call/text message comes in. (The connected phone will ring if it does not support this feature.)
<b>ECHO CANCEL</b>	<b>(01 — 10) [04]:</b> Adjust the echo cancellation delay time until the least echo is being heard during a phone conversation.
<b>MIC LEVEL</b>	<b>(01 — 03) [02]:</b> The sensitivity of the microphone increases as the number is increased.
<b>MSG NOTICE</b>	<b>[ON]:</b> The unit rings and "RCV MESSAGE"⇒ "[Device Name]" appears to notify you of an incoming text message. <b>[OFF]:</b> Cancels.

\* Selectable only when the connected phone supports PBAP.

# Bluetooth audio player

## Playing a Bluetooth audio player



### 1 Select <BT AUDIO>.

- Operate the Bluetooth audio player to start playback.

Operations and display indications may differ according to their availability on the connected device.

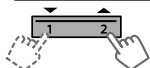
## Basic operations



Pauses or resumes playback.



Mutes the sound.



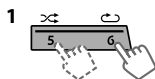
Selects group/folder.



Reverse skips or forward skips.  
(Press)  
Fast-forwards or reverses the track. (Hold)

## Selecting the playback modes

For Bluetooth devices that support AVRCP 1.3.



Press **6** for REPEAT.  
Press **5** for RANDOM.

### 2 Press the button repeatedly.

#### REPEAT

RPT OFF	Cancels repeat playback.
TRACK RPT	Repeats current track.
ALL RPT	Repeats all tracks.
GROUP RPT	Repeats all tracks of the current group.

#### RANDOM












RND OFF	Cancels random playback.
ALL RND	Randomly plays all tracks.
GROUP RND	Randomly plays all tracks of the current group.

# Sound adjustments

This unit memorizes sound settings adjusted for each individual source.

## Selecting the preset sound

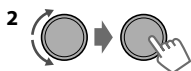
You can select a preset sound mode, for each individual source, suitable for the music genre.

- 1  (Hold)
- 2  →  →  →  →  →  →  →  →  →  →  →

# Menu operations





If no operation is done for about 60 seconds, the operation will be canceled.



3 Repeat step 2 if necessary.

- To return to the previous menu, press **←**.
- To exit from the menu, press **DISP** or **MENU**.

Menu item		Selectable setting (Initial: [XX])
<b>DEMO</b>		For settings,  page 3.
<b>EQ SETTING</b>	<b>EQ PRESET</b>	For settings,  page 18.
	<b>EASY EQ</b>	
	<b>PRO EQ</b>	
<b>AUDIO</b>	<b>FADER</b> *1*2	<b>R06 — F06 [00]</b> : Adjusts the front and rear speaker output balance.
	<b>BALANCE</b> *2	<b>L06 — R06 [00]</b> : Adjusts the left and right speaker output balance.
	<b>BASS BOOST</b>	<b>+01/+02</b> : Select your preferred bass boost level. <b>[OFF]</b> : Cancels.
	<b>LOUD</b> (Loudness)	<b>[LOW]/HIGH</b> : Boosts low or high frequencies to produce a well-balanced sound at a low volume level. <b>OFF</b> : Cancels.
	<b>VOL ADJUST</b> (Volume adjust)	<b>-05 — +05 [00]</b> : Presets the volume adjustment level of each source, compared to the FM volume level. Before adjustment, select the source you want to adjust. ("VOL ADJ FIX" appears if "FM" is selected.)
	<b>L/O MODE</b> (Line output mode)	Select if the REAR/SW terminals are used for connecting the speakers or subwoofer (through an external amplifier). <b>SUB.W</b> : Subwoofer <b>[REAR]</b> : Rear speakers
	<b>SUB. W</b> *3 (Subwoofer)	<b>OFF</b> : Cancels. <b>[ON]</b> : Turns on the subwoofer output.
	<b>SUB.W LPF</b> *4 (Subwoofer low-pass filter)	<b>[THROUGH]</b> : All signals are sent to the subwoofer. <b>LOW 55Hz/MID 85Hz/HIGH 120Hz</b> : Audio signals with frequencies lower than 55 Hz/85 Hz/120 Hz are sent to the subwoofer.
	<b>SUB.W LEVEL</b> *4 (Subwoofer level)	<b>-08 — +08 [00]</b> : Adjusts the subwoofer output level.





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


\*2 This adjustment will not affect the subwoofer output.

\*3 Displayed only when <L/O MODE> is set to <SUB.W>.



\*4 Displayed only when <SUB.W> is set to <ON>.

## Menu operations

Menu item		Selectable setting (Initial: [XX])
AUDIO	<b>BEEP</b> (Keypress tone)	<b>[ON]/[OFF]</b> : Activates or deactivates the keypress tone.
	<b>AMP GAIN</b> (Amplifier gain)	<b>LOW POWER</b> : Limits the maximum volume level to 30. (Select if the maximum input power of each speaker is less than 50 W to prevent damaging the speakers.) <b>[HIGH POWER]</b> : The maximum volume level is 50.
CLOCK	<b>CLOCK SET</b>	For settings,  page 3.
	<b>CLOCK DISP</b> (Clock display)	<b>ON/[OFF]</b> : Activates or deactivates clock display when the unit is turned off.
DIMMER	<b>DIMMER SET</b>	Selects the display and button illumination adjusted in the <BRIGHTNESS> setting. <b>[AUTO]</b> : Changes between the Day and Night adjustments when you turn off/on the car headlights. *5 <b>ON</b> : Selects the Night adjustments. <b>OFF</b> : Selects the Day adjustments.
	<b>BRIGHTNESS</b>	<b>DAY[31]/NIGHT[15]</b> : Brightness settings for the display and button illumination for day and night. <b>BUTTON ZONE/DISP ZONE</b> : Sets the brightness levels <b>00 — 31</b> .
DISPLAY	<b>SCROLL</b> *6	<b>[ONCE]</b> : Scrolls the display information once. <b>AUTO</b> : Repeats scrolling (at 5-second intervals). <b>OFF</b> : Cancels.
	<b>TAG DISPLAY</b>	<b>[ON]</b> : Shows the TAG information while playing MP3/WMA tracks. <b>OFF</b> : Cancels.
TUNER	<b>SSM</b>	For settings,  page 6. (Displayed only when the source is "FM".)
	<b>MONO</b> (Monaural mode)	Displayed only when the source is "FM". <b>[OFF]</b> : Enables stereo FM reception. <b>ON</b> : Improves the FM reception but stereo effect will be lost.
	<b>IF BAND</b> (Intermediate frequency band)	<b>[AUTO]</b> : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) <b>WIDE</b> : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
	<b>RADIO TIMER</b>	For settings,  page 7.
<b>IPOD SWITCH</b> (iPod/iPhone control)		<b>[HEAD MODE]/IPOD MODE/EXT MODE</b> : For settings,  page 9. (Displayed only when the source is "USB-IPOD".)

\*5 The illumination control wire connection is required. ( page 29)

\*6 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

		Menu item	Selectable setting (Initial: [XX])
BLUETOOTH		<b>PHONE *7</b> <b>AUDIO</b>	<b>CONNECT/DISCONNECT:</b> Connects or disconnects the Bluetooth phone/audio device. (☞ page 12)
		<b>APPLICATION</b>	<b>CONNECT/DISCONNECT:</b> Connects or disconnects the JVC Smart Music Control *8 in the smart phone.
		<b>DELETE PAIR</b>	For settings, ☞ page 12.
		<b>P. BOOK WAIT</b>	Copies up to 400 numbers from the phonebook memory of a connected phone to the unit via OPP.
		<b>SET PINCODE</b>	Changes the PIN code (1 to 6-digits). (Default PIN code: 0000) Turn the volume knob to select a number, press  /  to move to the entry position. After entering the PIN code, press the volume knob to confirm.
		<b>AUTO CNNECT</b>	<b>[ON]:</b> Establishes connection automatically with the Bluetooth device when the unit is turned on. <b>[OFF]:</b> Cancels.
		<b>INITIALIZE</b>	<b>[YES]:</b> Initializes all the Bluetooth settings (including stored pairing, phonebook, and etc.). <b>[NO]:</b> Cancels.
SRC SELECT		<b>INFORMATION</b>	<b>PH CNNT DEV/AU CNNT DEV/APP CNT DEV *9:</b> Displays connected phone/audio/application device name. <b>MY BT NAME:</b> Displays the unit name (JVC UNIT). <b>MY ADDRESS:</b> Displays the address of this unit. <b>BT VERSION:</b> Displays the Bluetooth version of this unit.
		<b>AM *10</b>	<b>[ON]/[OFF]:</b> Enables or disables "AM" in source selection.
		<b>SW1 *10</b>	<b>[ON]/[OFF]:</b> Enables or disables "SW1" in source selection.
		<b>SW2 *10</b>	<b>[ON]/[OFF]:</b> Enables or disables "SW2" in source selection.
		<b>AUX *10</b>	<b>[ON]/[OFF]:</b> Enables or disables "AUX" in source selection.

\*7 <CONNECT> will not be displayed if two Bluetooth phones are connected at the same time.

\*8 JVC Smart Music Control is designed to view JVC car receiver status and perform simple control operations on Android smart phones.

For JVC Smart Music Control operations, visit JVC website:

<<http://www3.jvckenwood.com/english/car/index.html>> (English website only).

\*9 Displayed only when a Bluetooth phone/audio player/application is connected.

\*10 Displayed only when the unit is in any source other than the corresponding source "AM/SW1/SW2/AUX".

## Additional information

### About audio files

#### ■ Playable files

- File extensions: MP3(.mp3), WMA(.wma)
- Bit rate:  
MP3: 8 kbps - 320 kbps  
WMA: 32 kbps - 192 kbps
- Sampling frequency:  
MP3: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz,  
22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz  
WMA: 48 kHz, 44.1 kHz, 32 kHz
- Variable bit rate (VBR) files. (The elapsed time for VBR files will not be displayed correctly.)

#### ■ Others

- This unit can show WMA Tag and ID3 Tag Version 1.0/1.1/2.3/2.4 (for MP3).
- The search function works but search speed is not constant.

### About USB device

- When connecting a USB cable, use the USB 2.0 cable.
- You cannot connect a computer or portable HDD to the USB input terminal of the unit.
- Connect only one USB device to the unit at a time. Do not use a USB hub.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with 2 or more partitions.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 1 A.
- This unit may not recognize a memory card inserted into the USB card reader.
- This unit may not play back files in a USB device properly when using a USB extension cord.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- Operation and power supply may not work as intended for some USB devices.
- The maximum number of characters for:
  - Folder names: 63 characters
  - File names: 63 characters
  - MP3 Tag: 60 characters
  - WMA Tag: 60 characters
- This unit can recognize a total of 65 025 files, 255 folders (255 files per folder including folder without unsupported files), and of 8 hierarchies.

#### ■ Cautions

- Do not pull out and attach the USB device repeatedly while "READING" is shown on the display.
- Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device then reset this unit and the USB device.
- Do not leave a USB device in the car, expose to direct sunlight, or high temperature. Failure to do so may result in deformation or cause damages to the device.

## About iPod/iPhone

- iPod/iPhone that can be connected to this unit:
  - iPod touch (4th generation)
  - iPod touch (3rd generation)
  - iPod touch (2nd generation)
  - iPod touch (1st generation)
  - iPod classic
  - iPod with video (5th generation)\*
  - iPod nano (6th generation)
  - iPod nano (5th generation)
  - iPod nano (4th generation)
  - iPod nano (3rd generation)
  - iPod nano (2nd generation)
  - iPod nano (1st generation)\*
  - iPhone 4S
  - iPhone 4
  - iPhone 3GS
  - iPhone 3G
  - iPhone
- \*<IPOD MODE>/<EXT MODE> are not applicable.
- It is not possible to browse video files on the "Videos" menu in <HEAD MODE>.
- The song order displayed on the selection menu of this unit may differ from that of the iPod.
- When operating an iPod/iPhone, some operations may not be performed correctly or as intended. In this case, visit the following JVC website:  
<<http://www3.jvckenwood.com/english/car/index.html>> (English website only).

## About JVC Playlist Creator and JVC Music Control

- This unit supports the PC application JVC Playlist Creator and Android™ application JVC Music Control.
- When you play audio file with song data added using the JVC Playlist Creator or JVC Music Control, you can search for audio file by Genres, Artists, Albums, Playlists, and Songs.
- JVC Playlist Creator and JVC Music Control are available from the following website:  
<<http://www3.jvckenwood.com/english/car/index.html>> (English website only).

## About Bluetooth

- Depending on the Bluetooth version of the device, some Bluetooth devices may not be able to connect to this unit.
- This unit may not work with some Bluetooth devices.
- Signal conditions vary, depending on the surroundings.
- For more information about Bluetooth, visit the following JVC website:  
<<http://www3.jvckenwood.com/english/car/index.html>> (English website only)

# Troubleshooting

Symptom	Remedy/Cause
<b>■ General</b>	
No sound, sound interrupted or static noise.	<ul style="list-style-type: none"> <li>• Check the cords, antenna and cable connections.</li> <li>• Check the condition of the connected device and recorded tracks.</li> <li>• Ensure to use the recommended stereo mini plug when connecting to an external component. (📖 page 10)</li> </ul>
"MISWIRING CHK WIRING THEN RESET UNIT"/"WARNING CHK WIRING THEN RESET UNIT" appears on the display and no operations can be done.	Ensure the terminals of the speaker wires are properly insulated with tape before resetting the unit. (📖 page 2) If the message does not disappear, consult your JVC car audio dealer or kits supplying company.
The unit does not work at all.	Reset the unit. (📖 page 2)
Source cannot be selected.	Check the <SRC SELECT> setting. (📖 page 21)
The correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols.
<b>■ FM/AM</b>	
SSM automatic presetting does not work.	Store stations manually.
<b>■ USB/iPod/iPhone</b>	
"READING" keeps flashing on the display.	<ul style="list-style-type: none"> <li>• A longer readout time is required. Do not use too many hierarchical levels and folders.</li> <li>• Reattach the USB device.</li> </ul>
Tracks/folders are not played back in the order you have intended.	The playback order is determined by the file name.
"NO FILE" appears on the display.	Check whether the selected folder, the connected USB device, or the iPod/iPhone contains a playable file.
"NOT SUPPORT" appears on the display and track skips.	Check whether the track is a playable file format.
<ul style="list-style-type: none"> <li>• "CANNOT PLAY" flashes on the display.</li> <li>• The unit cannot detect the connected device.</li> </ul>	<ul style="list-style-type: none"> <li>• Check whether the connected device is compatible with this unit. (USB: 📖 page 26) (iPod/iPhone: 📖 page 23)</li> <li>• Ensure that the device contains files in the supported formats. (📖 page 22)</li> <li>• Reattach the device.</li> </ul>
The iPod/iPhone does not turn on or does not work.	<ul style="list-style-type: none"> <li>• Check the connection between this unit and iPod/iPhone.</li> <li>• Detach and reset the iPod/iPhone using hard reset. For details on resetting the iPod/iPhone, refer to the instruction manual supplied with the iPod/iPhone.</li> <li>• Check whether &lt;IPOD SWITCH&gt; setting is appropriate. (📖 page 9)</li> </ul>

**If you still have troubles, reset the unit. (📖 page 2)**

Symptom	Remedy/Cause
<b>■ Bluetooth</b>	
No Bluetooth device is detected.	<ul style="list-style-type: none"> <li>• Search from the Bluetooth device again.</li> <li>• Reset the unit. (📖 page 2)</li> </ul>
Pairing cannot be made.	<ul style="list-style-type: none"> <li>• Make sure you have entered the same PIN code to both the unit and Bluetooth device.</li> <li>• Delete pairing information from both the unit and the Bluetooth device, then perform pairing again.</li> </ul>
"PAIRING FULL" scrolls on the display when trying to perform pairing.	<ul style="list-style-type: none"> <li>• You have already registered the maximum of five Bluetooth devices in the unit. To pair another device, delete an existing paired device from the unit first. (📖 page 12)</li> </ul>
Echo or noise occurs.	<ul style="list-style-type: none"> <li>• Adjust the microphone unit's position.</li> <li>• Check the &lt;ECHO CANCEL&gt; setting. (📖 page 16)</li> </ul>
Phone sound quality is poor.	<ul style="list-style-type: none"> <li>• Reduce the distance between the unit and the Bluetooth device.</li> <li>• Move the car to a place where you can get a better signal reception.</li> </ul>
The unit does not respond when you try to copy the phonebook to the unit.	<p>You may have tried to copy the same entries (as stored) to the unit. Press <b>DISP</b> or <b>↩</b> to exit.</p>
Sound is being interrupted or skipped during playback of a Bluetooth audio player.	<ul style="list-style-type: none"> <li>• Reduce the distance between the unit and the Bluetooth audio player.</li> <li>• Turn off, then turn on the unit and try to connect again.</li> <li>• Other Bluetooth devices might be trying to connect to the unit.</li> </ul>
The connected Bluetooth audio player cannot be controlled.	<ul style="list-style-type: none"> <li>• Check whether the connected Bluetooth audio player supports Audio/Video Remote Control Profile (AVRCP). (Refer to the instructions of your audio player.)</li> <li>• Disconnect and connect the Bluetooth player again.</li> </ul>
"VOICE" calling method is not successful.	<ul style="list-style-type: none"> <li>• Use "VOICE" calling method in a more quiet environment.</li> <li>• Reduce the distance from the microphone when you speak the name.</li> <li>• Change the &lt;ECHO CANCEL&gt; setting (📖 page 16), then try again.</li> <li>• Make sure the same voice as the registered voice tag is used.</li> </ul>
"NOT SUPPORT" appears when trying to perform voice dial.	<p>The connected phone does not support this feature.</p>
"ERROR CNNECT" appears on the display.	<p>The device is registered but the connection has failed. Connect the device manually. (📖 page 12)</p>
"ERROR" appears on the display.	<p>Try the operation again. If "ERROR" appears again, check if the device supports the function you have tried.</p>
"PLEASE WAIT" appears on the display.	<p>The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit). (📖 page 2)</p>
"HW ERROR" appears on the display.	<p>Reset the unit and try the operation again. If "HW ERROR" appears again, consult your nearest JVC car audio dealer.</p>
"BT DEVICE NOT FOUND" appears on the display.	<p>The unit failed to search for the registered Bluetooth devices during Auto Connect. Turn on Bluetooth from your device and connect manually. (📖 page 12)</p>

# Specifications

## AUDIO AMPLIFIER SECTION

Maximum Power Output	50 W per channel
Continuous Power Output (RMS)	20 W per channel into 4Ω, 40 Hz to 20 000 Hz at less than 1% total harmonic distortion.
Load Impedance	4Ω (4Ω to 8Ω allowance)
Frequency Response	40 Hz to 20 000 Hz
Signal-to-Noise Ratio	80 dB
Line-Out, Subwoofer-Out Level/Impedance	2.5 V/20 kΩ load (full scale)
Output Impedance	≤ 600Ω

## TUNER SECTION

FM	Frequency Range	87.5 MHz to 108.0 MHz (50 kHz step)
	Usable Sensitivity	9.3 dBf (0.8 μV/75Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μV/75Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
AM	Stereo Separation	40 dB
	Frequency Range	MW : 531 kHz to 1 611 kHz (9 kHz step) SW1 : 2 940 kHz to 7 735 kHz (5 kHz step) SW2 : 9 500 kHz to 10 135 kHz/ 11 580 kHz to 18 135 kHz (5 kHz step)
	Sensitivity/Selectivity	20 μV/40 dB

## USB SECTION

USB Standard	USB 1.1, USB 2.0
Data Transfer Rate (Full Speed)	Max. 12 Mbps
Compatible Device	Mass storage class
Compatible File System	FAT 32/16/12
Playable Audio Format	MP3/WMA
Maximum Supply Current	DC 5 V = 1 A

## BLUETOOTH SECTION

Version	Bluetooth 2.1 certified (+EDR)
Power Class	Class 2 Radio
Service Area	10 m
Profile	HFP 1.5, OPP 1.1, A2DP 1.2, AVRCP 1.3, PBAP 1.0

## 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	approx. 182 mm × 53 mm × 159 mm
	Panel Size	approx. 188 mm × 59 mm × 13 mm
Weight	0.87 kg (excluding accessories)	

Subject to changes without notice.

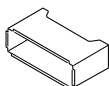
# Installation/Connection

## Part list for installation

Ⓐ Faceplate (x1)



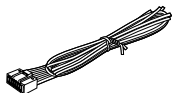
Ⓑ Mounting sleeve (x1)



Ⓒ Trim plate (x1)



Ⓓ Wiring harness (x1)



Ⓔ Extraction keys (x2)



## Basic procedure

- 1 Remove the key from the ignition switch, then disconnect the  $\ominus$  terminal of the car battery.
- 2 Connect the wires properly. (🔧 page 29)
- 3 Install the unit to your car. (🔧 page 28)
- 4 Reconnect the  $\ominus$  terminal of the car battery.
- 5 Reset the unit. (🔧 page 2)

## ⚠ Warning

- The unit can only be used with a 12 V DC power supply, negative ground.
- Disconnect the battery's negative terminal before wiring and mounting.
- Do not connect the Battery wire (yellow) and Ignition wire (red) to the car chassis or Ground wire (black) to prevent short circuit.
- Insulate unconnected wires with vinyl tape to prevent short circuit.
- Be sure to ground this unit to the car's chassis again after installation.

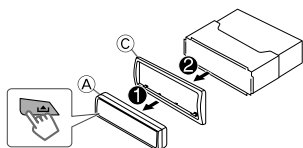
## ⚠ Caution

- For safety's sake, leave wiring and mounting to professionals. Consult the car audio dealer.
- Install this unit in the console of your vehicle. Do not touch the metal parts of this unit during and shortly after the use of the unit. Metal parts such as the heat sink and enclosure become hot.
- Do not connect the  $\ominus$  wires of speaker to the car chassis, Ground wire (black), or in parallel.
- Connect speakers with a maximum power of more than 50 W. If the maximum power of the speakers is lower than 50 W, change the <AMP GAIN> setting to avoid damaging the speakers. (🔧 page 20)
- Mount the unit at an angle of 30° or less.
- If your vehicle wiring harness does not have the ignition terminal, connect Ignition wire (red) to the terminal on the vehicle's fuse box which provides 12 V DC power supply and is turned on and off by the ignition key.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. of the car are working properly.
- If the fuse blows, first make sure the wires are not touching car's chassis, then replace the old fuse with one that has the same rating.

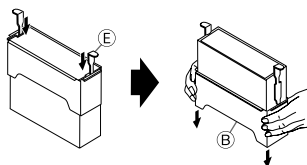
## Installing the unit

### In-dash mounting

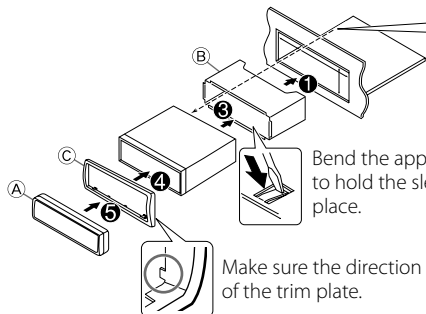
1



2



3



Bend the appropriate tabs to hold the sleeve firmly in place.

Make sure the direction of the trim plate.

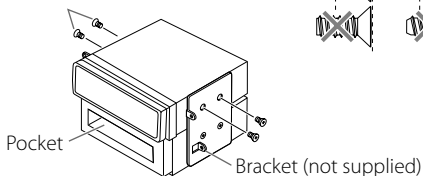
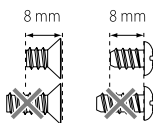


Do the required wiring. (see page 29)

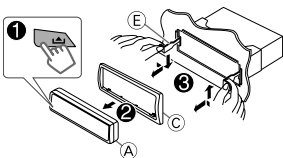
0°-30°

### When installing without the mounting sleeve

Flat or round head screws  
(not supplied)  
M5 x 8 mm



### How to remove the unit





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