



ENGLISH

ESPAÑOL

FRANÇAIS

KD-X250BT

DIGITAL MEDIA RECEIVER

INSTRUCTION MANUAL

RECEPTOR DE MEDIOS DIGITALES

MANUAL DE INSTRUCCIONES

RÉCEPTEUR MULTIMÉDIA NUMÉRIQUE

MANUEL D'INSTRUCTIONS

JVC KENWOOD Corporation

Made for



iPod



iPhone

works with

PANDORA®



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

Por favor lea detenidamente este manual para comprender a fondo todas las instrucciones y obtener un máximo disfrute de esta unidad.

Veillez lire les instructions attentivement avant d'utiliser l'appareil afin d'obtenir les meilleures performances possibles de l'appareil.

For Customer Use:

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

Model No.

Serial No.

GET0880-001A
[J]

IC (Industry Canada) Notice

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC:" before the certification/ registration number only signifies that the Industry Canada technical specification were met.

- | | |
|-----------------------------|--------------------|
| • Contains Bluetooth Module | FCC ID: XQN-BTR60X |
| • Contains Bluetooth Module | IC: 9688A-BTR601 |

⚠ Caution

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

⚠ Warning

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

⚠ Caution

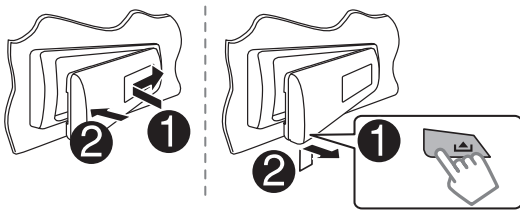
Volume setting:

- 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.

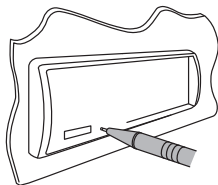
General:

- 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.








Contents

Preparation	4
Canceling the display demonstration	
Setting the clock	
Basic operations	4
Radio	6
USB	8
iPod/iPhone	9
External components	11
Bluetooth® connection	11
Bluetooth mobile phone	14
Bluetooth audio player	18
Sound adjustments	19
Menu operations	20
Remote control	23
Additional information	24
Troubleshooting	26
Specifications	28
Installation/Connection	29






Preparation

Canceling the display demonstration

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

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

Setting the clock

- 1 Press **MENU** (Hold).  (Hold) 
- 2 Select **<CLOCK>**.   → 

- 3 Select **<CLOCK SET>**.



- 4 Select the day of week.



- 5 Adjust the hour.



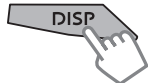
- 6 Adjust the minute.



- 7 Press **MENU** to exit.

Basic operations

Display information

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

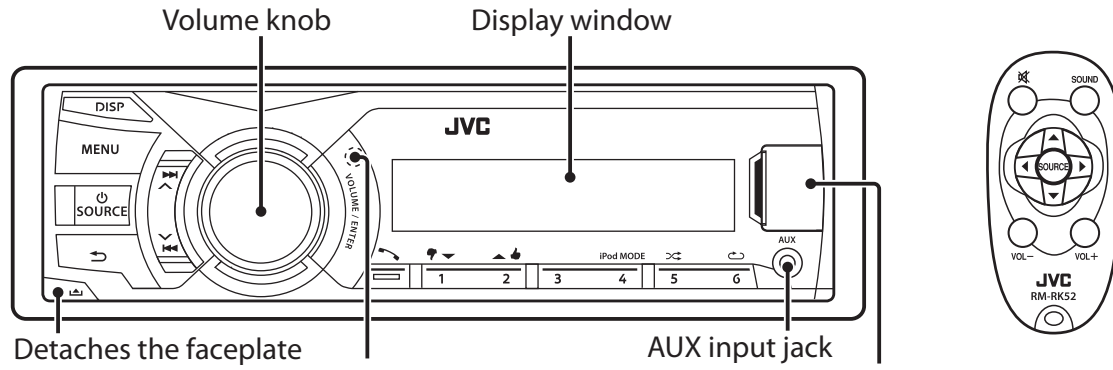
Source	Display
FM/AM	Station name (PS) *1 → Frequency → Program type (PTY) *1 → Title *1*2 → Day/Clock → (back to the beginning)
USB/BT AUDIO	Album title/Artist → Track title → Track no./Playing time → Day/Clock → (back to the beginning)
USB-IPOD (HEAD MODE/IPOD MODE)	
USB-IPOD (EXT MODE)	EXT MODE ↔ Day/Clock
PANDORA	Station name → Album title/Artist → Track title → Playing time → Day/Clock → (back to the beginning)
AUX	AUX ↔ Day/Clock

*1 For FM Radio Broadcast Data System stations only.

*2 Title information shown is dependent on the broadcast station. If unavailable, "NO TEXT" appears.

Faceplate

Remote control



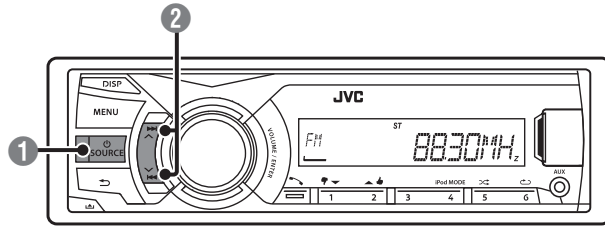
- Aim the remote control directly at the sensor.
- DO NOT expose to bright sunlight.

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

Faceplate	Remote control	General function
<p>SOURCE</p>	—	<ul style="list-style-type: none"> • Turns on. • Turns off. (Hold) • Press the SOURCE button on the faceplate and turn the volume knob within 2 seconds to select the source.
	SOURCE	Press repeatedly to select the source.
Volume knob (turn)	VOL - / +	Adjusts the volume level.
	—	Selects items.
Volume knob (press)		<ul style="list-style-type: none"> • Mutes the sound or pauses playback. • Press the button again to cancel muting or resume playback.
	—	Confirms selection.
Number buttons (1 - 6)	—	<ul style="list-style-type: none"> • Selects the preset stations. • Stores the current station into the selected number button. (Hold) (☞ page 6)
	SOUND	Selects the preset sound mode.
	—	<ul style="list-style-type: none"> • Enters the hands-free menu (☞ page 15), or answers incoming call when the unit rings. • Ends a call. (Hold)
	—	Returns to the previous menu.
		<ul style="list-style-type: none"> • Selects a preset station. (Only when using the remote control.) • Selects MP3/WMA folder. (☞ page 8) • Selects group/folder. (☞ page 18)
	—	<ul style="list-style-type: none"> • Searches for a station automatically. (☞ page 6) • Searches for a station manually. (Hold) • Selects track. (☞ page 8, 9, 18) • Fast-forwards or reverses track. (Hold)

Radio

Searching for a station



- 1 Select <FM> or <AM>.
- 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 and 6 stations for AM.

While listening to a station...



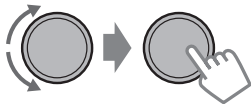
The preset number flashes and “MEMORY” appears. The current station is stored to the selected number button (1 - 6).

----- or -----



“PRESET MODE” flashes.

2 Select preset number.



The preset number flashes and “MEMORY” appears.

Auto presetting (FM only)

SSM (Strong-station Sequential Memory)

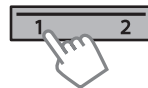
You can preset up to 18 stations for FM.



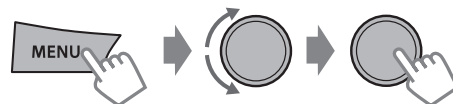
“SSM” flashes. When all the stations are stored, “SSM” stops flashing.

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

Selecting a preset station

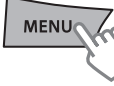
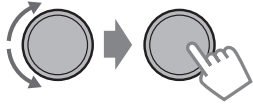


----- or -----



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>

[OFF]	Cancels Radio Timer.
ONCE	Activates once.
DAILY	Activates daily.
WEEKLY	Activates weekly.

- 3 Select the preset station.
 →<FM>/<AM>
→<01> ... <18> for FM/
→<01> ... <06> for AM


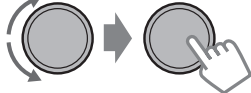
- 4 Set the activation day and time.


- 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> is set to <OFF> in <SRC SELECT> after selecting an AM station for the timer.

Searching for your favorite Programs—Program Type (PTY) Search

This feature is only available for FM Radio Broadcast Data System stations.

- 1  (Hold)
- 2 Select a PTY code.


PTY Search starts.

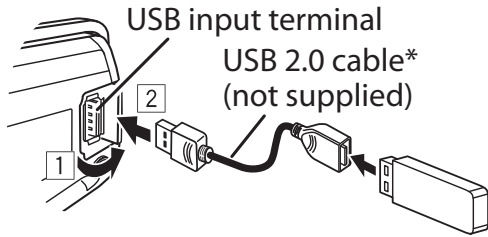
If there is a station broadcasting a program of the same PTY code as you have selected, that station is tuned in.

PTY codes

NEWS, INFORM (information), SPORTS, TALK, ROCK, CLS ROCK (classic rock), ADLT HIT (adult hits), SOFT RCK (soft rock), TOP 40, COUNTRY, OLDIES, SOFT, NOSTALGA (nostalgia), JAZZ, CLASSICL (classical), R & B (rhythm and blues), SOFT R & B (soft rhythm and blues), LANGUAGE, REL MUSC (religious music), REL TALK (religious talk), PERSONLTY (personality), PUBLIC, COLLEGE, HABL ESP (spanish talk), MUSC ESP (spanish music), HIP HOP, WEATHER

USB

Playing a USB device

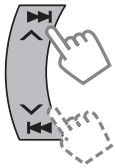


The source changes to "USB" and playback starts.

* 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

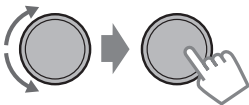


- Selects track. (Press)
- Fast-forwards or reverses the track. (Hold)

Selecting a track/folder from the list

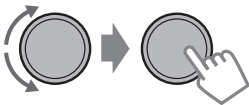


2 Select a folder. (For MP3/WMA)



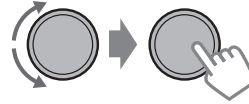
----- or -----

Select the desired list. (For JVC Playlist Creator (JPC) and JVC Music Control (JMC) file) (see page 25)



PLAYLISTS, ARTISTS, ALBUMS, SONGS, GENRES

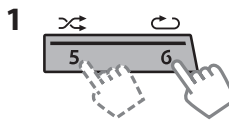
3 Select a track.



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.

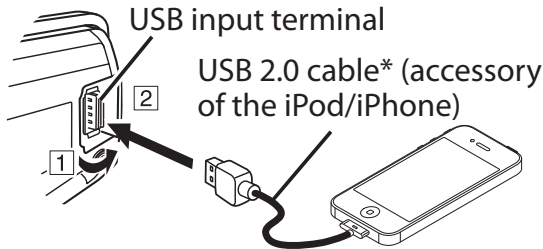
- "FOLDER RPT" is not applicable for JPC/JMC file.

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

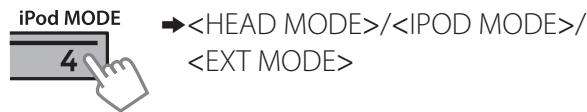
Playing an iPod/iPhone



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

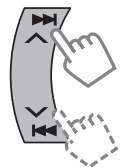


HEAD MODE	Controls music playback only from this unit.
IPOD MODE	Controls music playback from both the unit and iPod/iPhone.
EXT MODE	Controls music playback only from the iPod/iPhone.

- You can also change the setting using <IPOD SWITCH> in the menu. (page 22)

Selecting a track

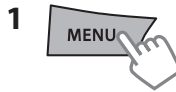
Applicable under <HEAD MODE>/<IPOD MODE> only.



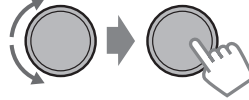
- Selects track/chapter. (Press)
- Fast-forwards or reverses the track. (Hold)

Selecting a track from the list

Applicable under <HEAD MODE> only.

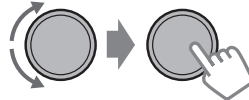


2 Select the desired list.



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

3 Select the desired track.



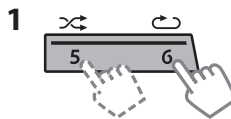
Repeat this step until the desired track is selected.

- 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.

2 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.

Pandora®

Preparation


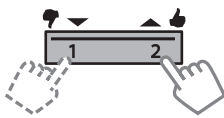

- 1 Search for "Pandora" in the Apple iTunes App Store to find and install the most current version of the Pandora application onto your device.
- 2 In the application on your device, log in and create an account with Pandora. If you are not a registered user, an account can also be created at www.pandora.com.
 - Pandora is only available in the US.
 - Because Pandora is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
 - Some functions of Pandora cannot be operated from this unit.
 - For issues using the application, please contact Pandora at pandora-support@pandora.com.

Listening to Pandora

- 1 Open the Pandora application on your device.
- 2 Connect the device to USB terminal on the faceplate. (👉 page 9)


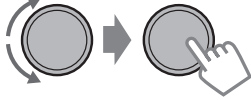
The source switches to "PANDORA" and broadcast starts automatically from your current station.

Basic Operations

	Starts/pauses playback.
	Selects thumbs up/thumbs down. <ul style="list-style-type: none"> • If thumbs down is selected, current track is skipped.
	Skips track.

Creating a new station

You can create a new station based on the currently playing song or artist.

- 1 
- 2  → <NEW STATION>
 → <FROM ARTIST>/<FROM TRACK>

A new station is created based on the current song or artist.

Searching the registered station from the list


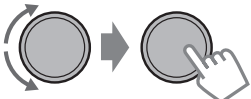
- 1 
- 2 Select the station list display mode.
 

BY DATE	According to the registration date
A - Z	Alphabetical order

- 3 Select the desired station.
 

To bookmark song/artist information

While receiving a song...

- 1  (Hold)
- 2 

<THIS ARTIST> ↔ <THIS TRACK>

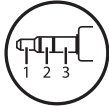
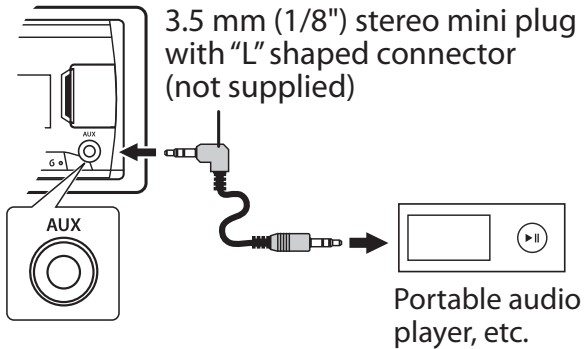
"BOOKMARKED" appears and the song/artist information is stored to the iPod/iPhone.

- This unit allows you to bookmark songs and/or artists in your personalized Pandora account. The bookmarks will not be available for review on the unit but will be available in your Pandora account.

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



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

- 1 Connect to AUX terminal on the faceplate.
- 2 Select <AUX>.



- 3 Turn on the connected component and start playing the source.

Bluetooth® connection

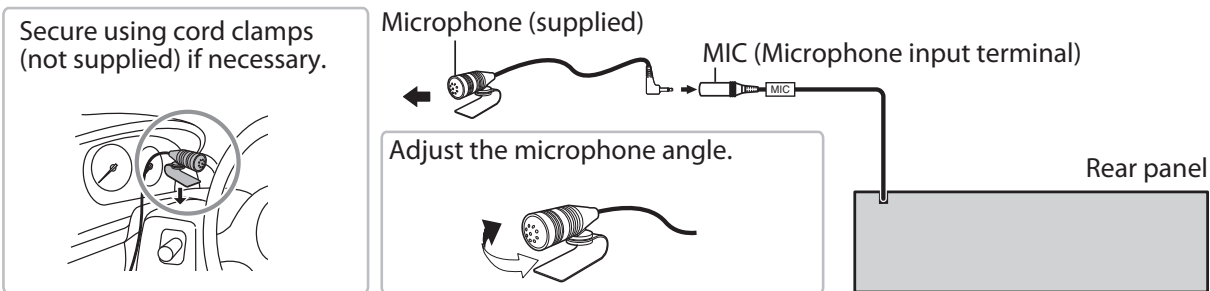
You can operate Bluetooth devices using this unit.

- 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



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 22)

(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, "Bluetooth" lights up on the display and you can now control the Bluetooth device through the unit.

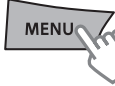
- "Phone" will light up when a phone is connected.
- "Music" will light up when an audio device is connected.

- 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.

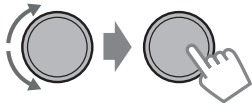
See page 13 for Bluetooth compatibility check mode operation.

Connecting/Disconnecting a registered device manually

To connect

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

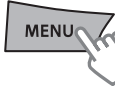
3 Select the desired device.



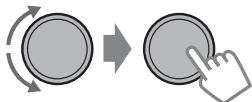
"CONNECTING" ⇒ "[Device Name]" scrolls on the display when the unit is connecting to the device.
 "CONNECTED" ⇒ "[Device Name]" scrolls on the display when the device is connected.

4 Press **MENU** to exit.

To disconnect

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

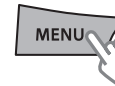
3 Select the desired device.



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

4 Press **MENU** to exit.

Deleting a registered device

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

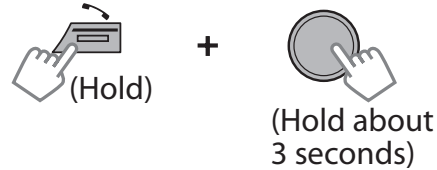
"DELETED" appears when the device is deleted.

3 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
 - "CONNCT 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 12)

Bluetooth mobile phone

Receiving a call

To receive a call

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

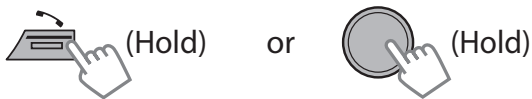
- “RECEIVING” appears on the display, followed by the phone number or name.



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 17)

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...



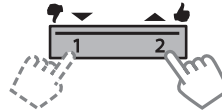
- Operations may vary according to the connected Bluetooth device.

Adjustments during a call



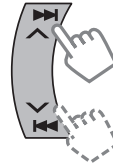
Phone volume (00 — 50)

[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 17)
- 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.

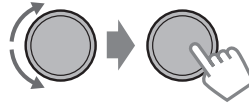
- Press to enter 1st phone’s hands-free menu.
- Press twice to enter 2nd phone’s hands-free menu.
- Press to return to 1st phone’s hands-free menu.

Making a call from the hands-free menu

1 Enter the hands-free menu.



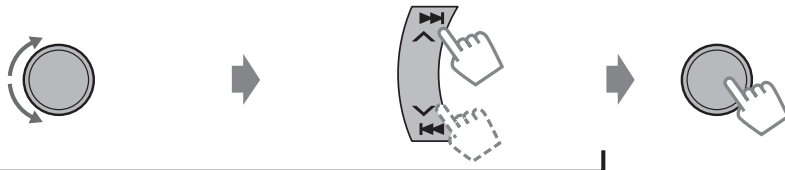


2 Select a calling method (see following table).



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</p>  <p>Call</p> <ul style="list-style-type: none"> • ">" indicates call received, "<" indicates call made, "M" indicates missed call. • "NO HISTORY" appears if there is no recorded call history. 																										
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"> • "NO DATA" appears if no entries are found in the Bluetooth device's phonebook. • "SEND P.BOOK MANUALLY" appears if <P.BOOK SEL> is set to <PB IN UNIT> or the phone does not support PBAP. (see page 17) 																										
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="462 1438 885 1512"> <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>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> </table>	0	1	2	3	4	5	6	7	8	9	*	#	+	0	1	2	3	4	5	6	7	8	9	*	#	+
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 16)																										

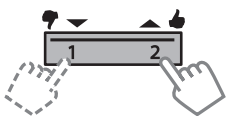
Quick Search

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

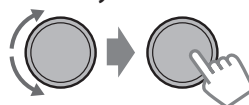
- "OTHERS" appears if the first character is not A to Z or 0 to 9.

While in the <PHONEBOOK> setting...

1 Select the desired character.



2 Select your desired contact.



Bluetooth mobile phone

Making a call from memory

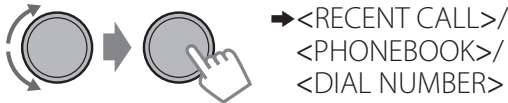
You can store up to 6 contacts in the memory of this unit for speed dialing.

To store contacts in memory

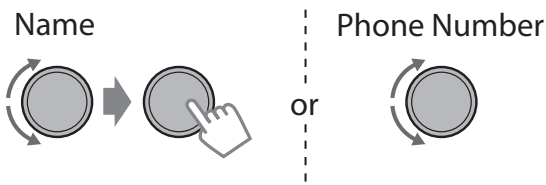
- 1 Enter the hands-free menu.



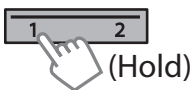
- 2 Select a call method.



- 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.

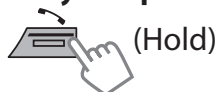
Using voice recognition

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.

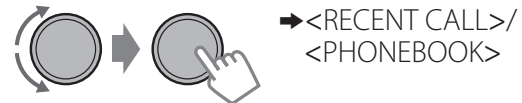
Deleting a contact (name/phone number)

Only when <P.BOOK SEL> is set to <PB IN UNIT>. (page 17)

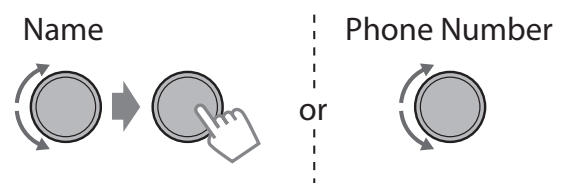
- 1 Enter the hands-free menu.



- 2 Select a call method.



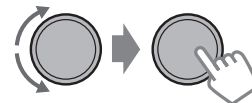
- 3 Select the contact (name/phone number) to be deleted.



- 4 Enter "Delete Entries" menu.



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



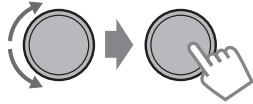
DELETE	Selected name/phone number from step 3 is deleted.
DELETE ALL	All names/phone numbers from selected menu in step 2 are deleted.

Using the SETTINGS menu

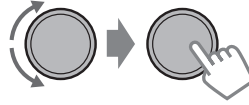
1 Enter the hands-free menu.



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 ↵.

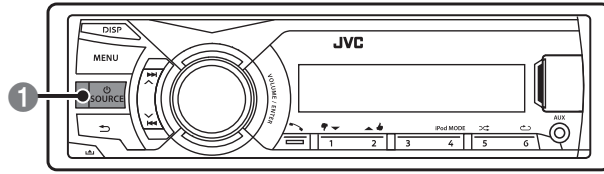
The following settings are applicable to the paired device. If another device is paired, perform the settings again.

Menu item	Selectable setting (Initial: [XX])
P.BOOK SEL *	[PB IN PHONE]: The unit browses the phonebook of the connected phone. PB IN UNIT: The unit browses the phonebook registered in the unit. (You can copy the phonebook memory using <P.BOOK WAIT> (☞ page 22).)
AUTO ANSWER	03 SEC/05 SEC/10 SEC: The unit answers incoming calls automatically in 3/5/10 seconds. [OFF]: Cancels.
RING TONE	[IN UNIT]: The unit rings to notify you when a call/text message comes in. – CALL: Select your preferred ring tone (TONE 1 — 5) for incoming calls. – MESSAGE: Select your preferred ring tone (TONE 1 — 5) for incoming text messages. • Default ring tone is different according to the paired device. IN PHONE: 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.)
ECHO CANCEL	(01 — 10) [04]: Adjust the echo cancellation delay time until the least echo is being heard during a phone conversation.
MIC LEVEL	(01 — 03) [02]: The sensitivity of the microphone increases as the number is increased.
MSG NOTICE	[ON]: The unit rings and "RCV MESSAGE"⇒"[Device Name]" appears to notify you of an incoming text message. OFF: 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.

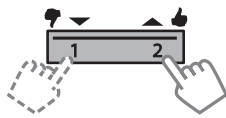
Basic operations



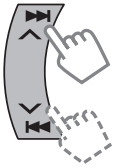
Pauses or resumes playback.



Mutes the sound.



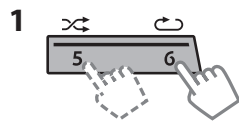
Selects group/folder.



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.

Listening to BT Pandora

You can listen to Pandora on your smart phone (Android OS or RIM OS) through Bluetooth on this unit.

1 Open the Pandora application on your device.

2 Connect to Bluetooth audio.

Refer to "To connect" page 13, select <BLUETOOTH>⇒<AUDIO>⇒<CONNECT>.

3 Select <PANDORA>.



The source switches and broadcast starts automatically.


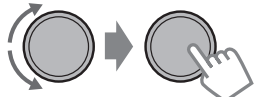
- You can operate Pandora in the same way as Pandora for iPod/iPhone. (page 10)

Sound adjustments

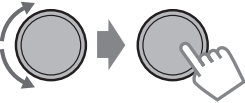
This unit memorizes sound settings adjusted for each individual source.

Selecting the preset sound

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

- 1  (Hold)
- 2  →<EQ SETTING>
→<EQ PRESET>

3 Select the desired sound mode.

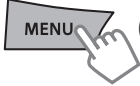
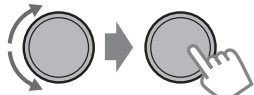


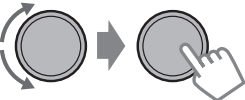
FLAT → NATURAL → DYNAMIC →
VOCAL BOOST → BASS BOOST → USER → (back to the beginning)

Storing your own adjustments

While listening, you can adjust and store the tone level for each individual source.

Easy Equalizer

- 1  (Hold)
- 2  →<EQ SETTING>
→<EASY EQ>
- 3 Adjust the level.




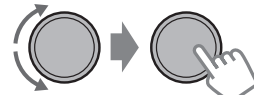
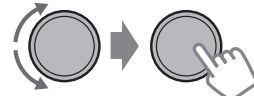
(Initial: **[XX]**)

SUB.W *	-08 to +08 [00]
BASS LVL	-06 to +06 [00]
MID LVL	-06 to +06 [00]
TRE LVL	-06 to +06 [00]

The adjustments are stored and <USER> is activated.

* Available only when <L/O MODE> is set to <SUB.W> and <SUB.W> is set to <ON>. (page 20)

Pro Equalizer

- 1  (Hold)
- 2  →<EQ SETTING>
→<PRO EQ>
→<BASS>/<MIDDLE>/<TREBLE>
- 3 

Adjust the sound elements of the selected tone.

BASS (Initial: **[XX]**)

Frequency	60/[80]/100/200 Hz
Level	LVL -06 to +06 [00]
Q	[Q1.0] /Q1.25/Q1.5/Q2.0

MIDDLE

Frequency	0.5/[1.0]/1.5/2.5 kHz
Level	LVL -06 to +06 [00]
Q	Q0.75/Q1.0/[Q1.25]

TREBLE

Frequency	[10.0] /12.5/15.0/17.5 kHz
Level	LVL -06 to +06 [00]
Q	[Q FIX]



4 Repeat steps 2 and 3 to adjust other tones. The adjustments are stored and <USER> is activated.

5 Press **MENU** to exit.


Menu operations



- 1  (Hold)

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

- 2  

- 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])
DEMO		For settings,  page 4.
EQ SETTING	EQ PRESET	For settings,  page 19.
	EASY EQ	
	PRO EQ	
AUDIO	FADER *1*2	R06 — F06 [00] : Adjusts the front and rear speaker output balance.
	BALANCE *2	L06 — R06 [00] : Adjusts the left and right speaker output balance.
	BASS BOOST	+01/+02 : Select your preferred bass boost level. [OFF] : Cancels.
	LOUD (Loudness)	[LOW]/HIGH : Boosts low or high frequencies to produce a well-balanced sound at a low volume level. OFF : Cancels.
	VOL ADJUST (Volume adjust)	-05 — +05 [00] : 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.)
	L/O MODE (Line output mode)	Select if the REAR/SW terminals are used for connecting the speakers or subwoofer (through an external amplifier). SUB.W : Subwoofer [REAR] : Rear speakers
	SUB. W *3 (Subwoofer)	OFF : Cancels. [ON] : Turns on the subwoofer output.
	SUB.W LPF *4 (Subwoofer low-pass filter)	[THROUGH] : All signals are sent to the subwoofer. LOW 55Hz/MID 85Hz/HIGH 120Hz : Audio signals with frequencies lower than 55 Hz/85 Hz/120 Hz are sent to the subwoofer.
	SUB.W LEVEL *4 (Subwoofer level)	-08 — +08 [00] : 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	BEEP (Keypress tone)	[ON]/[OFF] : Activates or deactivates the keypress tone.
	AMP GAIN (Amplifier gain)	LOW POWER : 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.) [HIGH POWER] : The maximum volume level is 50.
CLOCK	CLOCK SET	For settings,  page 4.
	CLOCK ADJ (Clock adjustment)	[AUTO] : The built-in clock is synchronized with the Clock Time (CT) data received from the FM Radio Broadcast Data System station. OFF : Cancels.
	CLOCK DISP (Clock display)	ON/[OFF] : Activates or deactivates clock display when the unit is turned off.
DIMMER	DIMMER SET	Selects the display and button illumination adjusted in the <BRIGHTNESS> setting. [AUTO] : Changes between the Day and Night adjustments when you turn off/on the car headlights. *5 ON : Selects the Night adjustments. OFF : Selects the Day adjustments.
	BRIGHTNESS	DAY[31]/NIGHT[15] : Brightness settings for the display and button illumination for day and night. BUTTON ZONE/DISP ZONE : Sets the brightness levels 00 — 31 .
DISPLAY	SCROLL *6	[ONCE] : Scrolls the display information once. AUTO : Repeats scrolling (at 5-second intervals). OFF : Cancels.
	TAG DISPLAY	[ON] : Shows the TAG information while playing MP3/WMA tracks. OFF : Cancels.
TUNER	SSM	For settings,  page 6. (Displayed only when the source is "FM".)
	AREA (Frequency tuning interval)	[AREA US] : For North/Central/South America, AM/FM intervals: 10 kHz/200 kHz. AREA EU : For any other areas, AM/FM intervals: 9 kHz/50 kHz. AREA SA : For some South American countries, AM/FM intervals: 10 kHz/50 kHz.
	MONO (Monaural mode)	Displayed only when the source is "FM". [OFF] : Enables stereo FM reception. ON : Improves the FM reception but stereo effect will be lost.
	IF BAND (Intermediate frequency band)	[AUTO] : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) WIDE : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
	RADIO TIMER	For settings,  page 7.

*5 The illumination control wire connection is required. ( page 31)

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

Menu operations

Menu item	Selectable setting (Initial: [XX])	
IPOD SWITCH (iPod/iPhone control)	[HEAD MODE]/IPOD MODE/EXT MODE: For settings, page 9. (Displayed only when the source is "USB-IPOD".)	
BLUETOOTH	PHONE *7	CONNECT/DISCONNECT: Connects or disconnects the Bluetooth phone/ audio device. (page 13)
	AUDIO	
	APPLICATION	CONNECT/DISCONNECT: Connects or disconnects the JVC Smart Music Control *8 in the smart phone.
	DELETE PAIR	For settings, page 13.
	P. BOOK WAIT	Copies up to 400 numbers from the phonebook memory of a connected phone to the unit via OPP.
	SET PINCODE	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.
	AUTO CNNECT	[ON]: Establishes connection automatically with the Bluetooth device when the unit is turned on. OFF: Cancels.
	INITIALIZE	YES: Initializes all the Bluetooth settings (including stored pairing, phonebook, and etc.). [NO]: Cancels.
INFORMATION	PH CNNT DEV/AU CNNT DEV/APP CNT DEV *9: Displays connected phone/audio/application device name. MY BT NAME: Displays the unit name (JVC UNIT). MY ADDRESS: Displays the address of this unit. BT VERSION: Displays the Bluetooth version of this unit.	
SRC SELECT	AM *10	[ON]/OFF: Enables or disables "AM" in source selection.
	PANDORA *10	[ON]/OFF: Enables or disables "PANDORA" in source selection.
	AUX *10	[ON]/OFF: 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/PANDORA/AUX".

Remote control

Preparing

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



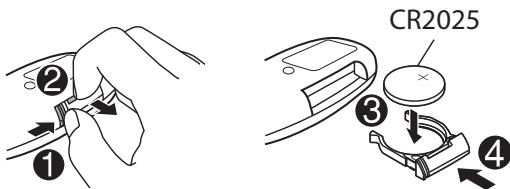
For USA-California Only:
This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate

⚠ 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.

Replacing the lithium coin battery

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



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	
■ General		
No sound, sound interrupted or static noise.	<ul style="list-style-type: none"> • Check the cords, antenna and cable connections. • Check the condition of the connected device and recorded tracks. • Ensure to use the recommended stereo mini plug when connecting to an external component. (🔗 page 11) 	
"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 3) 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 3)	
Source cannot be selected.	Check the <SRC SELECT> setting. (🔗 page 22)	
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.	
■ FM/AM		
SSM automatic presetting does not work.	Store stations manually.	
■ USB/iPod/iPhone		
"READING" keeps flashing on the display.	<ul style="list-style-type: none"> • A longer readout time is required. Do not use too many hierarchical levels and folders. • Reattach the USB device. 	
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"> • "CANNOT PLAY" flashes on the display. • The unit cannot detect the connected device. 	<ul style="list-style-type: none"> • Check whether the connected device is compatible with this unit. (USB: 🔗 page 28) (iPod/iPhone: 🔗 page 25) • Ensure that the device contains files in the supported formats. (🔗 page 24) • Reattach the device. 	
The iPod/iPhone does not turn on or does not work.	<ul style="list-style-type: none"> • Check the connection between this unit and iPod/iPhone. • 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. • Check whether <IPOD SWITCH> setting is appropriate. (🔗 page 9) 	
Pandora	"ADD ERROR"/"SEARCH ERR"	There is a problem creating a new station, such as a network issue.
	"CHK DEVICE"	Check the Pandora application on your device.
	"NO SKIPS"	The skip limit has been reached.
	"NO STATIONS"	No registered station in your device.
	"STATION LIM"	You may not create more than 100 stations.
	"UPGRADE APP"	Make sure to install the latest version of the Pandora application on your device.

Symptom	Remedy/Cause
■ Bluetooth	
No Bluetooth device is detected.	<ul style="list-style-type: none"> • Search from the Bluetooth device again. • Reset the unit. (☞ page 3)
Pairing cannot be made.	<ul style="list-style-type: none"> • Make sure you have entered the same PIN code to both the unit and Bluetooth device. • Delete pairing information from both the unit and the Bluetooth device, then perform pairing again.
“PAIRING FULL” scrolls on the display when trying to perform pairing.	<ul style="list-style-type: none"> • 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 13)
Echo or noise occurs.	<ul style="list-style-type: none"> • Adjust the microphone unit's position. • Check the <ECHO CANCEL> setting. (☞ page 17)
Phone sound quality is poor.	<ul style="list-style-type: none"> • Reduce the distance between the unit and the Bluetooth device. • Move the car to a place where you can get a better signal reception.
The unit does not respond when you try to copy the phonebook to the unit.	You may have tried to copy the same entries (as stored) to the unit. Press DISP or ↶ to exit.
Sound is being interrupted or skipped during playback of a Bluetooth audio player.	<ul style="list-style-type: none"> • Reduce the distance between the unit and the Bluetooth audio player. • Turn off, then turn on the unit and try to connect again. • Other Bluetooth devices might be trying to connect to the unit.
The connected Bluetooth audio player cannot be controlled.	<ul style="list-style-type: none"> • Check whether the connected Bluetooth audio player supports Audio/Video Remote Control Profile (AVRCP). (Refer to the instructions of your audio player.) • Disconnect and connect the Bluetooth player again.
“VOICE” calling method is not successful.	<ul style="list-style-type: none"> • Use “VOICE” calling method in a more quiet environment. • Reduce the distance from the microphone when you speak the name. • Change the <ECHO CANCEL> setting (☞ page 17), then try again. • Make sure the same voice as the registered voice tag is used.
“NOT SUPPORT” appears when trying to perform voice dial.	The connected phone does not support this feature.
“ERROR CNNCT” appears on the display.	The device is registered but the connection has failed. Connect the device manually. (☞ page 13)
“ERROR” appears on the display.	Try the operation again. If “ERROR” appears again, check if the device supports the function you have tried.
“PLEASE WAIT” appears on the display.	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 3)
“HW ERROR” appears on the display.	Reset the unit and try the operation again. If “HW ERROR” appears again, consult your nearest JVC car audio dealer.
“BT DEVICE NOT FOUND” appears on the display.	The unit failed to search for the registered Bluetooth devices during Auto Connect. Turn on Bluetooth from your device and connect manually. (☞ page 13)

Specifications

AUDIO AMPLIFIER SECTION

Power Output	20 W RMS x 4 Channels at 4Ω and ≤ 1% THD+N	
Load Impedance	4Ω (4Ω to 8Ω allowance)	
Frequency Response	40 Hz to 20 000 Hz	
Signal-to-Noise Ratio	80 dBA (reference: 1 W into 4Ω)	
Line-Out, Subwoofer-Out Level/Impedance	2.5 V/20 kΩ load (full scale)	
Output Impedance	≤ 600Ω	

TUNER SECTION

FM	Frequency Range	200 kHz step: 87.9 MHz to 107.9 MHz 50 kHz step: 87.5 MHz to 108.0 MHz
	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
	Stereo Separation	40 dB
AM	Frequency Range	10 kHz step: 530 kHz to 1 700 kHz 9 kHz step: 531 kHz to 1 611 kHz
	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 (10.9 yd)
Profile	HFP 1.5, OPP 1.1, A2DP 1.2, AVRCP 1.3, PBAP 1.0

GENERAL

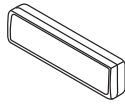
Power Requirement (Operating Voltage)	DC 14.4 V (11 V to 16 V allowance)	
Grounding System	Negative ground	
Allowable Operating Temperature	0°C to +40°C (32°F to 104°F)	
Dimensions (W × H × D) (approx.)	Installation Size	182 mm × 53 mm × 159 mm (7-3/16" × 2-1/8" × 6-5/16")
	Panel Size	188 mm × 59 mm × 13 mm (7-7/16" × 2-3/8" × 9/16")
Weight	0.87 kg (2 lbs) (excluding accessories)	

Subject to changes without notice.

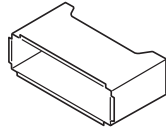
Installation/Connection

Part list for installation

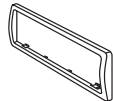
Ⓐ Faceplate (x1)



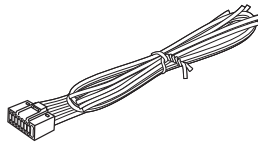
Ⓑ Mounting sleeve (x1)



Ⓒ 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 31)
- 3 Install the unit to your car. (👉 page 30)
- 4 Reconnect the \ominus terminal of the car battery.
- 5 Reset the unit. (👉 page 3)

⚠ Warning

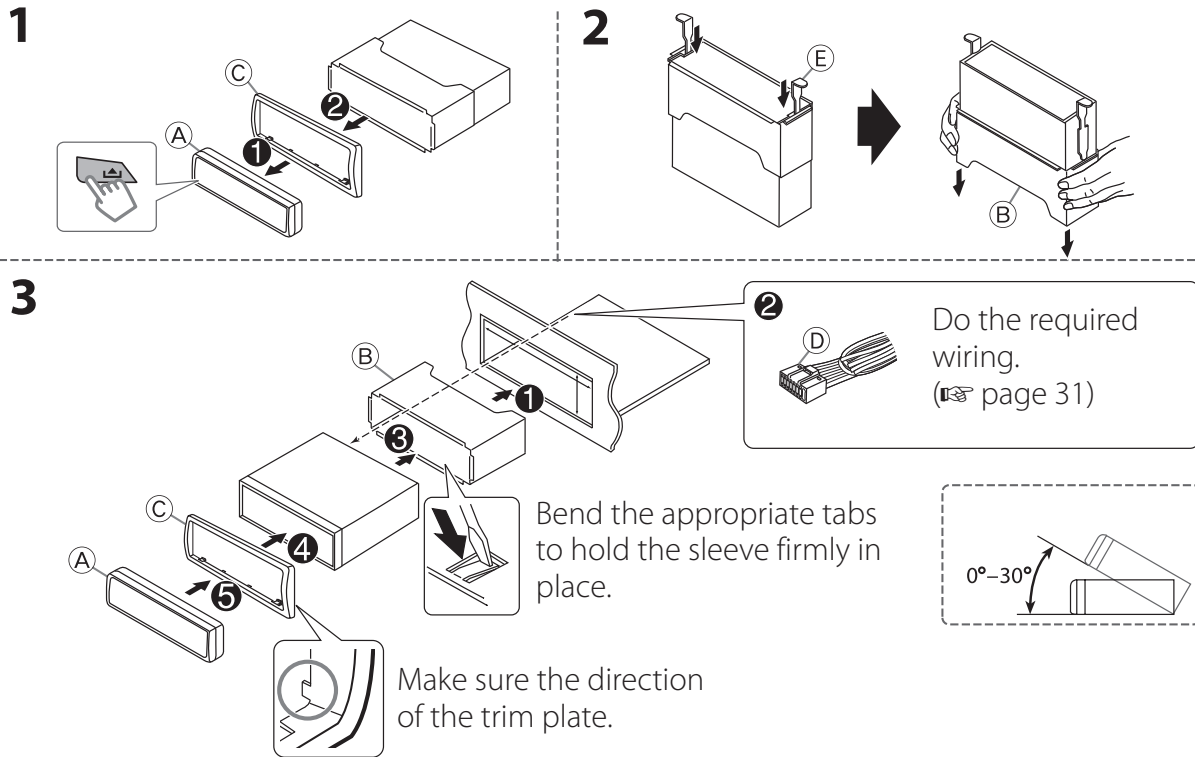
- The unit can only be used with a 12 V DC power supply, negative ground.
- Disconnect the battery's negative terminal before wiring and mounting.
- Do not connect the Battery wire (yellow) and Ignition wire (red) to the car chassis or Ground wire (black) to prevent short circuit.
- Insulate unconnected 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 21)
- 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

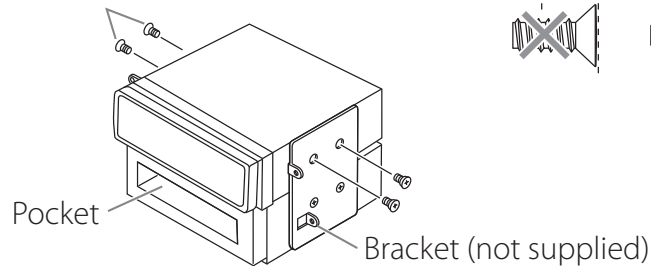
In-dash mounting



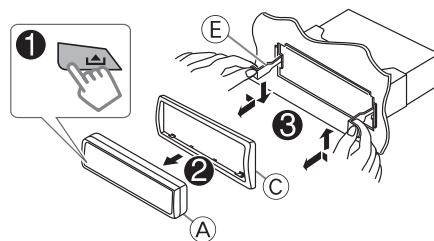
When installing without the mounting sleeve

Flat or round head screws
(not supplied)
M5 × 8 mm (M5 × 3/8")

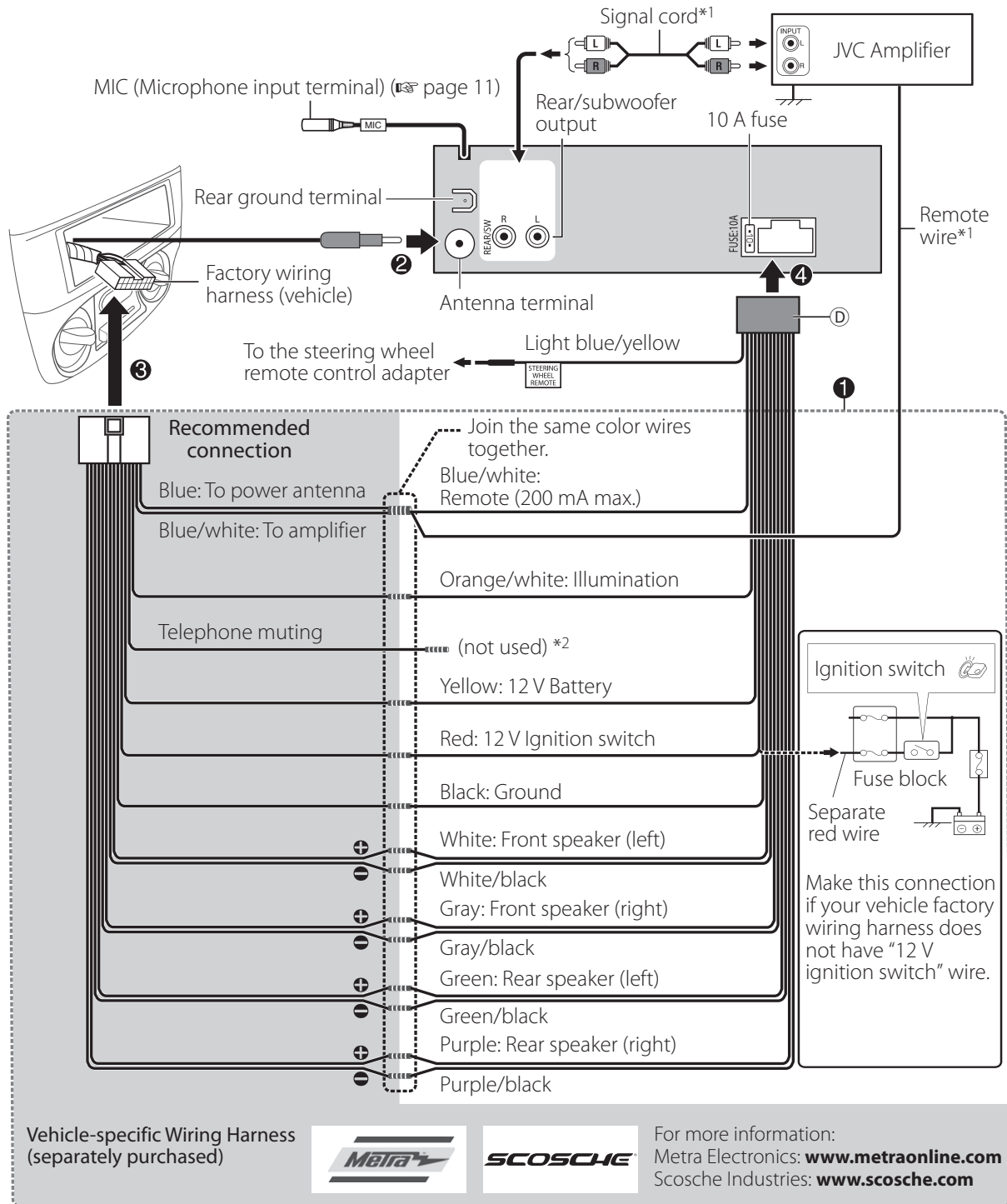
8 mm (3/8") 8 mm (3/8")



How to remove the unit



Wiring connection



*1 Not supplied for this unit.

*2 Insulate to prevent short circuit.

If you have any troubles, try the following:

- 1 Check "Troubleshooting" (page 26).
- 2 Reset the unit. (page 3)
- 3 Contact (USA only)
Call: 1-800-252-5722 (or) visit: <http://www.jvc.com>

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

FCC NOTE

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

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

Para cumplimiento de la COFETEL:

“La operación de este equipo está sujeta a las siguientes dos condiciones:

- (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada”

Información acerca de la eliminación de equipos eléctricos y electrónicos al final de la vida útil (aplicable a los países que hayan adoptado sistemas independientes de recogida de residuos)



Los productos con el símbolo de un contenedor con ruedas tachado no podrán ser desechados como residuos domésticos. Los equipos eléctricos y electrónicos al final de la vida útil, deberán ser reciclados en instalaciones que puedan dar el tratamiento adecuado a estos productos y a sus subproductos residuales correspondientes. Póngase en contacto con su administración local para obtener información sobre el punto de recogida más cercano. Un tratamiento correcto del reciclaje y la eliminación de residuos ayuda a conservar los recursos y evita al mismo tiempo efectos perjudiciales en la salud y el medio ambiente.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by JVC KENWOOD Corporation is under license. Other trademarks and trade names are those of their respective owners.
- “Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, or iPhone may affect wireless performance.
- iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- Pandora, the Pandora logo, and the Pandora trade dress are trademarks or registered trademarks of Pandora Media, Inc., used with permission.
- Android is trademark of Google Inc.

**REMOVE THIS LABEL FROM CABLE BEFORE USE.
RETIRE LA ÉTIQUETA DEL CABLE ELÉCTRICO ANTES DE USAR.
RETIREZ CETTE ÉTIQUETTE DU CÂBLE AVANT UTILISATION.**



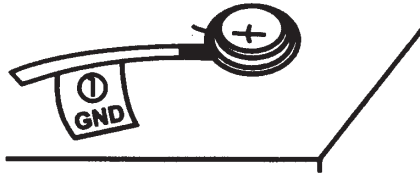
CAUTION

CONNECT BLACK WIRE (① GND) TO GROUND FIRST. OTHERWISE, DAMAGE TO YOUR UNIT MAY OCCUR.

**INCORRECT CONNECTION CAUSES SERIOUS DAMAGE TO THIS UNIT
PLEASE READ INSTALLATION/CONNECTION MANUAL CAREFULLY.**

①

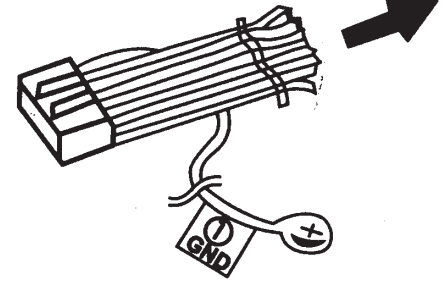
CONNECT GROUND FIRST



**METALLIC BODY OR CHASSIS
OF THE CAR**

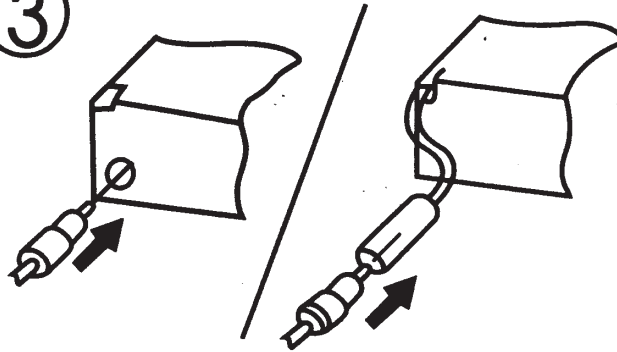
②

CONNECT OTHER WIRES



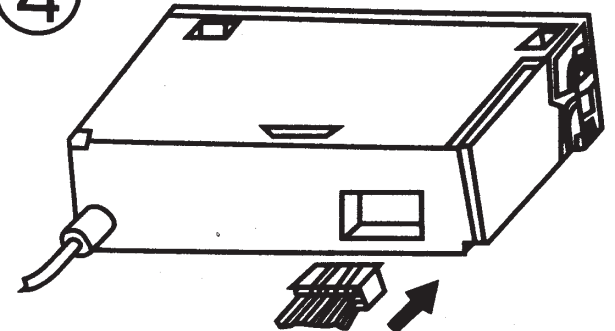
③

CONNECT ANTENNA TERMINAL



④

**CONNECT POWER CORD TO
THE UNIT**



CANADA
ONLY

JVC

CANADA
SEULEMENT

OWNER'S COPY OF WARRANTY CARD COPIE D'ENREGISTREMENT DE LA GARANTIE DU PROPRIÉTAIRE

(Save sales docket together with this warranty card, as a proof of date of purchase.
La facture et cette garantie sont vos preuves de la date d'achat; rangez-les.)

MODEL MODÈLE	SERIAL NO. NO DE SÉRIE	
Purchase from Acheté chez	Date purchased Date acheté	
Dealer's Address Adresse du Vendeur		
No. No	Street Rue	
City or Town Ville	Prov. Prov.	Postal Code Code Postal
Owner's Name Nom du Propriétaire		
Owner's Address Adresse du Propriétaire		
No. No	Street Rue	Apt. App.
City or Town Ville	Prov. Prov.	Postal Code Code Postal

BT-52009-1
(0912)

Printed in Indonesia

Product Registration/Enregistrement du produit

We suggest that you register your product since it will enable us to contact you directly if it is ever necessary to correct a safety related condition in your product.

You can register at <http://www.jvc.ca/www/Support/Warranty.aspx>

Nous vous conseillons d'enregistrer votre produit, car il nous permettra de vous contacter directement

si jamais elle est nécessaire pour corriger un problème lié à la sécurité de votre produit.

Vous pouvez vous inscrire à <http://www.jvc.ca/www/Support/Warranty.aspx>

Warranty applies only to PRODUCT distributed in Canada by JVC Canada Inc.

JVC

La garantie s'applique seulement aux PRODUITS distribués au Canada par JVC Canada Inc.

WARRANTY GARANTIE

JVC CANADA INC.

6070 kestrel Road, Mississauga, Ontario, L5T 1S8 Canada

TEL: (905) 670-3381 FAX: (905)670-7244

<http://www.jvc.ca>

JVC CANADA INC. (hereafter called "JVC") gives the following express warranty for each new JVC product distributed in Canada by JVC and sold by an authorized JVC dealer.

JVC warrants that this JVC product is free, under normal use and maintenance, from any defects in material and workmanship subject to the following terms and conditions:

1. To Obtain Warranty Service:

- JVC Product requiring service must be Presented together with Proof of purchase.
- The JVC product must be brought in for service to an authorized JVC Service Centre.

2. Limitation:

This Warranty shall not apply to:

- Repair or replacement of any cabinets, batteries, plates, connection cords, antennas, dust covers, knobs, speaker grills, speaker cones, projection screens, projection screen savers, and all accessories.
- Any defects caused or repairs required as a result of misuse, abusive operation, negligence, improper use and/or insufficient care.
- Any defect caused or repairs required as a result of not following the instructions in the operation manual.
- Any JVC product tampered with, adjusted or repaired by any party other than JVC or authorized JVC Service Centre personnel.

JVC CANADA INC. (ci-après appelé "JVC") énonce la garantie expresse suivante pour tout nouveau produit JVC distribué au Canada par JVC et vendu par un détaillant JVC autorisé.

JVC vous garantit que ce produit est dégagé, sous utilisation et entretien normal, de tout défaut matériel et de fabrication sous réserve des modalités et conditions suivantes :

1. Pour obtenir un service de garantie :

- Les produits jvc nécessitant un service doit être présentée avec la prenvce d'achat
- Le produit JVC doit être apporté pour service chez un centre de service JVC autorisé.

2. Restrictions:

Cette garantie ne s'applique pas aux :

- Réparation ou remplacement de tout cabinet, batteries, panneau avant, cordons de raccord, antennes, housses de protection, boutons, couverts de haut-parleur, cônes de haut-parleur, écrans de projection, protecteurs d'écran de projection et tous les accessoires.
- Tous défauts occasionnés ou réparations requises suite à une utilisation abusive, mauvaise, négligente et/ou une utilisation incorrecte.
- Tous défauts occasionnés ou réparations requises suite à l'omission de suivre les recommandations du manuel d'instruction.
- Tout produit JVC altéré, ajusté ou réparé par tout autre entreprise que JVC ou un centre de service d'entretien ou de service autorisé JVC.

- (e) Any JVC products on which the serial number has been defaced, modified or removed.
- (f) Maintenance, cleaning or periodic check-up
- (g) Conversion to foreign or domestic voltage or frequency.
- (h) Any JVC product without the Canadian Electrical Safety Regulations ID.
- (i) Any JVC products used for commercial or institutional, rental, or display purposes.
Parts.....1 year (except video head - 90 days)
Labour... 90 days
- (j) Any JVC product which has been resold and no longer owned by the original purchaser.
- (k) Product purchased from "outside Canada", "bankruptcy" or "liquidator".

- (e) Tout produit JVC dont le numéro de série a été altéré, modifié ou enlevé.
- (f) L'entretien, les vérifications périodiques et nettoyage.
- (g) La conversion à une fréquence ou une tension étrangère ou domestique.
- (h) Tout produit JVC n'ayant pas le sigle d'identification conforme aux normes électriques Canadiennes (CSA).
- (i) Pour tout produit utilisé à des fins commerciales, institutionnelles, de location ou utilisé à des fins d'étalage.
Pièces..... 1 An (Excepté les têtes vidéo- 90 jours)
Main d'œuvre... 90 Jours
- (j) Tout produit JVC ayant été revendu et qui n'est plus la propriété de l'acheteur original.
- (k) Produit acheté à "l'extérieur du Canada", provenant d'une "faillite" ou d'un "liquidateur".

- (l) Any defects caused by fire, flood, lightning, power surge, or other events beyond the control of JVC.
- (m) FOR AUTO PRODUCTS
Warranty does not cover elimination of car static or electrical interferences, cleaning of head, adjustments, or labour cost for the removal or reinstallation of the unit for repair.

- (l) Tout dommage causé par le feu, une inondation, un éclair, une surtension ou tout autre événement hors du contrôle de JVC.
- (m) POUR LES PRODUITS D'AUTOMOBILE
La garantie ne couvre pas l'élimination d'interférences statiques ou électriques de la voiture, le nettoyage de tête, les ajustements et les coûts de main d'œuvre associés à l'enlèvement ou à la réinstallation de l'unité pour réparation.

**WARRANTY TERM (VALID FROM THE DATE OF PURCHASE)
CONDITIONS DE GARANTIE (VALABLE à PARTIR DE LA DATE D'ACHAT)**

PRODUCT PRODUIT	PARTS (Years) PIECES (années)	Labour (Years) MAIN-D'OEUVRE (années)
Projection TV In-Home Service Colour TV In-Home (25" and above) D-ILA Rear Projection In-Home Service LCD TV In-Home Service (25" and above) Écrans de projection Service à Domicile Écrans de TV Couleur Service à Domicile (25" et plus) TV projection arrière D-ILA Service à Domicile Écrans de LCD Service à Domicile (25" et plus)	1	1
<p>* In-home service to be provided where available Where it is not available, the Purchaser must assume the responsibility and expense for the proper packing, shipment and all costs associated with the delivery of the equipment to and from the closest JVC Authorized Service Centre. * Service à domicile fourni par un détaillant disponible. S'il n'y a pas de service JVC disponible à proximité, l'acheteur doit assumer la responsabilité et les coûts pour un emballage adéquat, l'expédition, ainsi que tous les coûts associés à la livraison de l'équipement chez et depuis le détaillant JVC autorisé le plus près pour un service d'entretien.</p>		
Receivers and Home Speakers purchased separately, Front Projection and Car Audio "ARSENAL" Series Récepteurs et Hauts-Parleurs achetés séparément, Projecteur Avant et Audio d'Auto de Série « ARSENAL »	2	2
AC Adapters, Remote Controls, Headphones, Microphones and Projector Lamps Adaptateurs AC, Télécommande, Casque D'écoute, Microphones et Lampe de Projecteur	90 DAYS 90 JOURS	90 DAYS 90 JOURS
Wood Cone Speakers Enceinte à Cône en Bois	5	5
All Other Categories Toutes les autres catégories	1	1

3. Standards:

If any defects should be found in a JVC product within the applicable terms, necessary repairs shall be made at no cost to the purchaser for parts or labour when JVC acknowledges that such defects are due to faulty material or workmanship.

4. Exclusion of All Other Express Warranties:

This warranty constitutes the entire express warranty given by JVC for JVC products and no dealer or service centre personnel or his, its or their agent or employee is, or are authorized to extend or enlarge this warranty on behalf of JVC.

5. Disclaimer of Consequential Damage:

To the extent the law permits JVC disclaims any responsibility for loss of time or use of its product, transportation costs, or any other indirect, incidental or consequential damage or inconvenience.

3. Critères:

Si un produit JVC s'avérait défectueux, selon les conditions applicables, les réparations nécessaires seront effectués sans coûts additionnels à l'acheteur pour les pièces et la main d'œuvre lorsque JVC reconnaît que de telles déficiences sont causées par une défectuosité de matériel ou de fabrication.

4. Exclusion de toutes autres garanties expresses :

Cette garantie constitue l'entière garantie express donnée par JVC pour les produits JVC. Nul représentant ou employé d'un détaillant ou d'un service d'entretien n'est autorisé à prolonger cette garantie au nom de JVC.

5. Dénégation des dommages indirects :

Dans la mesure permise par la loi, JVC nie toute responsabilité pour perte de temps ou d'usage de ses produits, des coûts de transport ou tout autre dommage ou inconfort indirect, accidentel et conséquent.

JVC CANADA INC.

Service toll free # : 1-800-964-2650

E-mail:service@jvc.ca

TO OUR VALUED CUSTOMER _____

THANK YOU FOR PURCHASING THIS JVC PRODUCT.
WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

**NEED HELP ON HOW TO HOOK UP?
NEED ASSISTANCE ON HOW TO OPERATE?
NEED TO LOCATE A JVC SERVICE CENTER?
LIKE TO PURCHASE ACCESSORIES?**

JVC IS HERE TO HELP!
TOLL FREE: 1(800)252-5722
<http://www.jvc.com>

Remember to retain your Bill of Sale for Warranty Service.

_____ **Do not attempt to service the product yourself** _____

Caution

To prevent electrical shock, do not open the cabinet.
There are no user serviceable parts inside.
Please refer to qualified service personnel for repairs.

PRODUCT REGISTRATION

We suggest that you register your product since it will enable us to contact you directly if it is ever necessary to correct a safety related condition in your product.

You can register at www.register.jvc.com

Please note that failure to register does not diminish any of your rights during the warranty period.



LIMITED WARRANTY

1-1 **USA ONLY**

ONLY FOR PRODUCT PURCHASED IN U.S.A.

JVC Americas Corp. (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period")

PARTS	1 YR	LABOR	1 YR
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THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 37" class or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Please do not return your product to the retailer

Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website <http://www.jvc.com>. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Care Center at 800-252-5722

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. User Removal Memory Devices/Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.
10. Loss of data resultant from malfunction of hard drive or other data storage device;

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC AMERICAS CORP.

1700 Valley Road, Wayne, New Jersey 07470
<http://www.jvc.com>

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. : _____

Serial No. : _____

Purchase date : _____

Name of dealer : _____

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