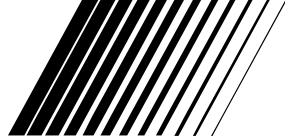


JVC



CD RECEIVER

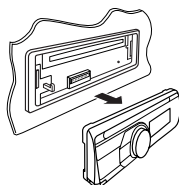
KD-R606/KD-R605

ENGLISH

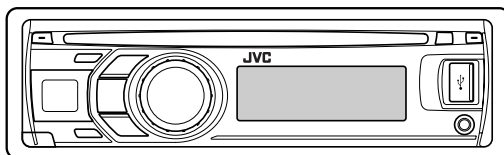
เครื่องเล่น CD

KD-R606/KD-R605

ไทย



**MP3
WMA**



For canceling the display demonstration, see page 7.

ดูที่หน้า 7 เพื่อยกเลิกการสาธิตภาพประกอบ

For installation and connections, refer to the separate manual.

กรุณาดูคู่มือที่แยกต่างหาก ในการติดตั้งและการเชื่อมต่อ

INSTRUCTIONS

คำแนะนำ

GET0577-001A
[U/UH]

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	AVISO RADIACIÓN LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	VARNING SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING. KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	注意 ここを開くと可視 及び/または不可視 のクラス1M レーザー放射が 出ます。 光学装置で直接 見ないでください。 (JPN)	CAUTION VISIBLE AND/OR INVISIBLE CLASS 1 LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG)
---	---	--	--	---	--



[European Union only]

This mark is used to indicate...



Turn the control dial to make a selection, then press to confirm the selection.

Warning:

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

Caution on volume setting:

Digital devices (CD/USB) produce very little noise compared with other sources. Lower the volume before playing these digital sources to avoid damaging the speakers by sudden increase of the output level.

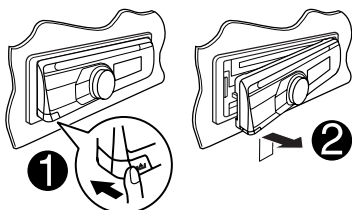
For safety...

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

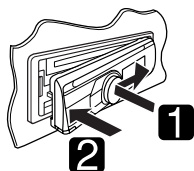
Temperature inside the car...

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

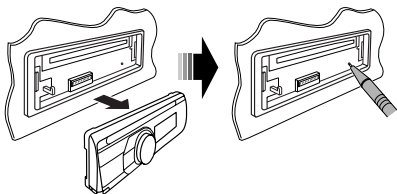
■ Detaching the control panel



■ Attaching the control panel

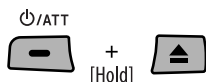


■ How to reset your unit



- Your preset adjustments will also be erased (except the registered Bluetooth device, see pages 12 and 13).

■ How to forcibly eject a disc



- You can forcibly eject the loaded disc even if the disc is locked. To lock/unlock the disc, see page 9.
- Be careful not to drop the disc when it ejects.
- If this does not work, reset your unit.

CONTENTS

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Attaching the control panel	3
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How to forcibly eject a disc.....	3

OPERATIONS

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SETTINGS

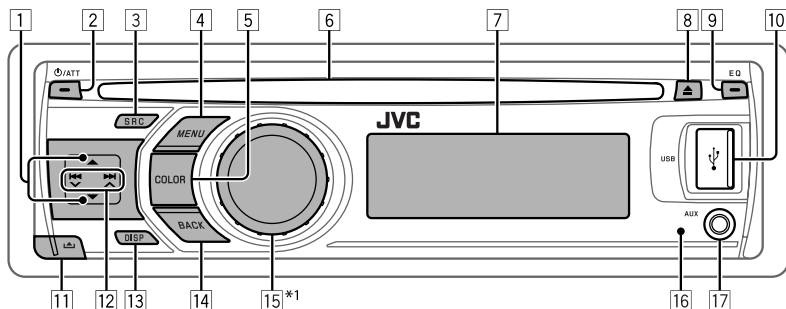
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Basic operations

Using the control panel



- 1 • **FM/AM**: Select preset station.
• **CD/USB/CD-CH**: Select folder.
• **IPOD**: Enter the main menu/Pause playback/Confirm selection.
• **BT-PHONE/BT-AUDIO**: Enter/go back to previous Bluetooth menu.
- 2 • Turn on the power.
• Attenuate the sound (if the power is on).
• Turn off the power [Hold].
- 3 • Select the source.
FM → **AM***2 → **CD***3 → **USB/USB-IPOD***3,*4 → **CD-CH***3/**IPOD***3 (or **EXT INPUT**) → **BT-PHONE***3 → **BT-AUDIO***3 → **AUX IN***2 → (back to the beginning)
- 4 • Enter list operations.
• Enter Menu setting [Hold].
• **USB-IPOD**: Enter the main menu.
- 5 • Select the display and button illumination color.
- 6 • Loading slot
- 7 • Display window
- 8 • Eject disc.
- 9 • Select the sound mode.
- 10 • USB (Universal Serial Bus) input jack
- 11 • Detach the panel.
- 12 • **FM/AM**: Search for station.
• **CD/USB/USB-IPOD/CD-CH**: Select track.
• **IPOD**: Select category/track.
• **BT-PHONE/BT-AUDIO**: Select setting item/registered device.
- 13 • Change the display information.
- 14 • Return to the previous menu.
• **USB-IPOD**: Switch the setting between "HEAD MODE" and "IPOD MODE"*5 [Hold].
- 15 • Control the volume*6 or select items [Turn].
• Confirm the selection [Press].
• **FM**: Enter SSM preset mode [Hold].
• **CD/USB/USB-IPOD**: Pause/resume playback*6 [Press].
• **CD/USB/USB-IPOD/CD-CH/IPOD**: Enter playback mode [Hold].
- 16 • Remote sensor
- 17 • AUX (auxiliary) input jack

*1 Also known as "Control dial" in this manual.

*2 You cannot select these sources if they were disabled in the Menu (see "SRC SELECT" in "Menu operations" on page 25).

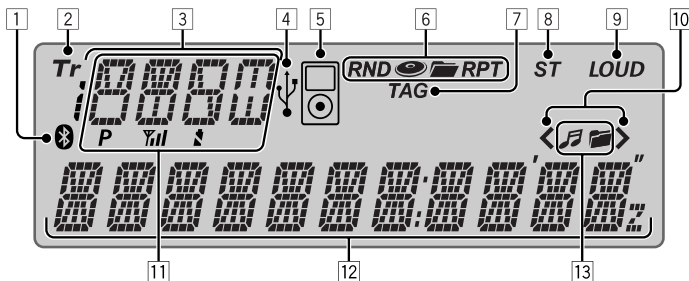
*3 You cannot select these sources if they are not ready or not connected.

*4 When connecting the iPod/iPhone to the USB input jack for the first time, "USB" appears on the display first, then "USB-IPOD."

*5 You can use this function only when "IPOD MODE" is available for the connected iPod (see page 30).

*6 You can still adjust the volume during pause when the selected source is CD/USB/USB-IPOD. Before resume playback, check to be sure that you have not raise the volume level too much.

Display window

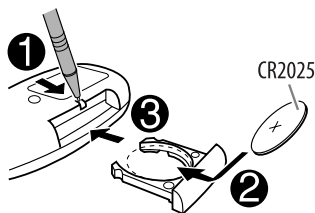


- | | |
|---|--|
| <p>1 Bluetooth indicator</p> <p>2 Tr (track) indicator</p> <p>3 Source display / Disc number / Track number / Folder number / Time countdown indicator / Setting and list operation information</p> <p>4 USB indicator</p> <p>5 iPod indicator</p> <p>6 Playback mode / item indicators—RND (random), (disc), (folder), RPT (repeat)</p> <p>7 TAG (Tag information) indicator</p> <p>8 ST (stereo) indicator</p> <p>9 LOUD (loudness) indicator</p> | <p>10 Menu hierarchy position indicator—◀ (bottom), ▶ (top), ◀ ▶ (middle)</p> <p>11 Status of Bluetooth device (Device number, [P: 1 – 5]; signal strength, [Yil: 0 – 3]*; battery reminder, [🔋: 0 – 3]*)</p> <p>12 Main display</p> <p>13 Disc/device information indicators— (track/file), (folder)</p> |
|---|--|

* As the number increases, the signal/battery power becomes stronger.

Using the remote controller (RM-RK50)

Installing the lithium coin battery (CR2025)



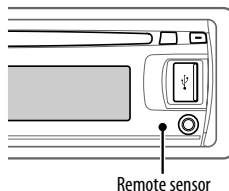
Caution:

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

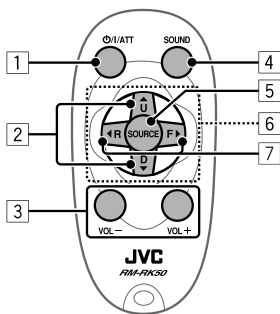
If the effectiveness of the remote controller decreases, replace the battery.

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the unit.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).



Continued on the next page



- 1 • Turns the power on if pressed briefly or attenuates the sound when the power is on.
- Turns the power off if pressed and held.

- 2 • Changes the preset stations.
- Changes the folder of the MP3/WMA.
- While playing an MP3 disc on an MP3-compatible CD changer:
 - Changes the disc if pressed briefly.
 - Changes the folder if pressed and held.
- While listening to an Apple iPod:

Connected with the interface adapter:

- Pauses or resumes playback with D ▼.
 - Enters the main menu with ▲ U.
- (Now ▲ U/D ▼/◀ R/F ▶ work as the menu selecting buttons.)*

* ▲ U : Returns to the previous menu.

D ▼ : Confirms the selection.

- 3 Adjusts the volume level.
- 4 Selects the sound mode.
- 5 Selects the source.
- 6 For Bluetooth cellular phone:
 - Answers calls if pressed briefly.
 - Rejects calls if pressed and held.

- 7 • Searches for stations if pressed briefly.
- Fast-forwards or reverses the track if pressed and held.
- Changes the tracks if pressed briefly.
- While listening to an iPod (in menu selecting mode):

Connected with the interface adapter:

- Selects an item if pressed briefly. (Then, press D ▼ to confirm the selection.)
- Skips 10 items at a time if pressed and held.
- Reverse skip/forward skip for Bluetooth audio player.

Warning (to prevent accidents and damage):

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

Preparation

■ Canceling the display demonstration and setting the clock

• See also page 23.

1		Turn on the power.
2	 [Hold] Press and hold until the main menu is called up.  [Turn] → [Press] • Repeat this procedure.	Cancel the display demonstrations Select "DEMO," then "DEMO OFF." Set the clock Select "CLOCK" → "CLOCK SET." Adjust the hour, then press control dial once to proceed to adjust the minute. • To return to the previous menu, press BACK.

Changing the display information

DISP

When the power is turned off: The current clock time is displayed if "CLOCK DISP" is set to "CLOCK OFF," (see page 23).

When the power is turned on: The display information of the current source changes as follows:

FM/AM	Frequency → Clock → Station name*1 → (back to the beginning)
CD/CD-CH	Audio CD/CD Text: Disc title/performer*2 → Track title*2 → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning)
CD/USB/USB-IPOD/CD-CH	MP3/WMA*5: Album name/performer (folder name)*3,*4 → Track title (file name)*3,*4 → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning)
IPOD	Album name/Artist name → Track name → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning)

*1 If no title is assigned to a station, "NO NAME" appears. To assign a title to a station, see page 21.

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

*3 If an MP3/WMA file does not have Tag information or "TAG DISPLAY" is set to "TAG OFF" (see page 23), folder name and file name appear.

*4 Not applicable for "USB-IPOD."

*5 WMA is not applicable for "CD-CH."

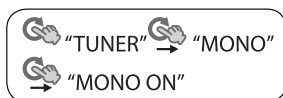
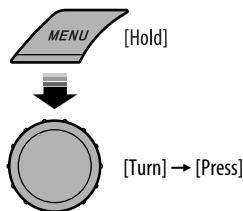
Listening to the radio

1		Select "FM" or "AM."
2		Search for a station to listen—Auto Search. When a station is tuned in, searching stops. To stop searching, press the same button again. - You can also search for a station manually—Manual Search. Hold either one of the buttons until "M" flashes on the display, then press it repeatedly. - When receiving an FM stereo broadcast with sufficient signal strength, the ST indicator lights up on the display.

Improving the FM reception

When an FM stereo broadcast is hard to receive, activate monaural mode for better reception.

- See also page 24.



Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure to select "MONO OFF."

Storing stations in memory

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

You can preset up to 18 stations for FM.

1 While listening to a station...

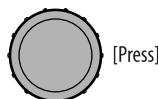


2 Select the preset number range you want to store.



SSM 01–06 ↔ SSM 07–12 ↔ SSM 13–18

3



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

- To stop searching, press ◀◀ ◻ ▶▶ ▶.

To preset other 6 stations, repeat from step 1 again.

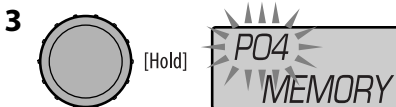
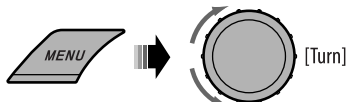
Manual presetting (FM/AM)

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

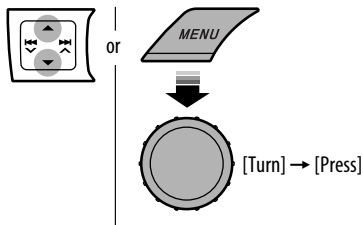
Ex.: Storing FM station of 92.50 MHz into preset number "04."



2 Select preset number "04."



Selecting preset station



Disc/USB operations

Playing a disc

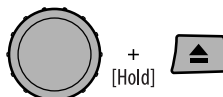
1		Turn on the power.
2		Insert a disc. All tracks will be played repeatedly until you change the source or eject the disc.

Stop playing and ejecting the disc



- "NO DISC" appears. Press SRC to listen to another playback source.

Prohibiting disc ejection



To cancel the prohibition, repeat the same procedure.

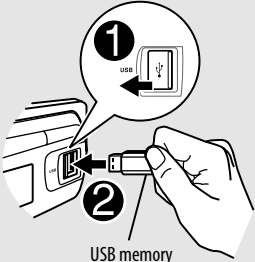
Continued on the next page

Playing a file on a USB device

This unit can play MP3/WMA files stored on a USB mass storage class device.

You can connect a USB mass storage class device such as a USB memory, Digital Audio Player, portable HDD, etc. to the unit.

- You can also connect an Apple iPod/iPhone to the USB input jack. For details of the operations, see pages 17 – 19.

1		Turn on the power.
2	 USB memory	Connect a USB. All tracks will be played repeatedly until you change the source or disconnect a device.

If a USB device has been attached...

SRC

Playback starts from where it has been stopped previously.

- If a different USB device is currently attached, playback starts from the beginning.

Stop playing and detaching the USB device

Straightly pull it out from the unit.

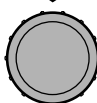
- "NO USB" appears. Press SRC to listen to another playback source.

Cautions:

- Avoid using the USB device if it might hinder your safety driving.
- Do not pull out and attach the USB device repeatedly while "READING" is shown on the display.
- Do not start the car engine if a USB device is connected.
- This unit may not be able to play the files depending on the type of USB device.
- Operation and power supply may not work as intended for some USB devices.
- You cannot connect a computer to the USB input terminal of the unit.
- Make sure all important data has been backed up to avoid losing the data.
- Do not leave a USB device in the car, expose to direct sunlight, or high temperature to avoid deformation or cause damages to the device.
- Some USB devices may not work immediately after you turn on the power.
- For more details about USB operations, see page 29.

Disc/file operations

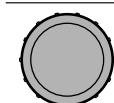
Selecting a track/folder



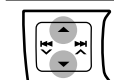
[Turn] → [Press]

- For MP3/WMA discs, select the desired folder, then the desired track by repeating the control dial procedures.
- To return to the previous menu, press BACK.

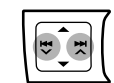
Pressing (or holding) the following buttons allows you to...



[Press] Pause/resume playback.



MP3/WMA: Select folder

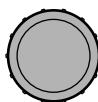


[Press] Select track
[Hold] Reverse/fast-forward track

Selecting the playback modes

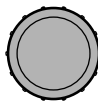
You can use only one of the following playback modes at a time.

1



[Hold]

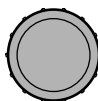
2



[Turn] → [Press]

REPEAT ↔ RANDOM

3



[Turn] → [Press]

REPEAT	TRACK RPT : Repeats current track
	FOLDER RPT : MP3/WMA: Repeats current folder
RANDOM	FOLDER RND : MP3/WMA: Randomly plays all tracks of current folder, then tracks of next folders
	ALL RND : Randomly plays all tracks

- To cancel repeat play or random play, select "RPT OFF" or "RND OFF."
- To return to the previous menu, press BACK.

Using the Bluetooth® devices

For Bluetooth operations, it is required to connect the **Bluetooth adapter** (KS-BTA200) (not supplied) to the CD changer jack on the rear of this unit.

- Refer also to the instructions supplied with the Bluetooth adapter and the Bluetooth device.
- Refer to the list (included in the box) to check the countries where you may use the Bluetooth® function.

To use a Bluetooth device through the unit ("BT-PHONE" and "BT-AUDIO") for the first time, you need to establish Bluetooth wireless connection between the unit and the device.

- Once the connection is established, it is registered in the unit even if you reset your unit. Up to five devices can be registered in total.
- Only one device can be connected at a time for each source ("BT-PHONE" and "BT-AUDIO").

See pages 29 and 30 about warning messages for Bluetooth operations.

■ Registering a Bluetooth device

Registration (Pairing) methods

Use either of the following items in the Bluetooth menu to register and establish the connection with a device.

- Select "BT-PHONE" or "BT-AUDIO" as the source to operate the Bluetooth menu.

OPEN	Make the unit ready to establish a new Bluetooth connection. Connection is established by operating the Bluetooth device.
SEARCH	Make the unit ready to establish a new Bluetooth connection. Connection is established by operating the unit.

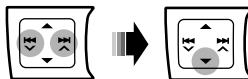
Registering using "OPEN"

Preparation: Operate the device to turn on its Bluetooth function.

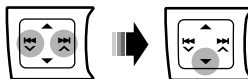
1 Select "BT-PHONE" or "BT-AUDIO."

SRC

2 Select "NEW DEVICE."



3 Select "OPEN."



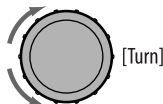
4 Enter a PIN (Personal Identification Number) code to the unit.

- You can enter any number you like (1-digit to 16-digit number). [Initial: 0000]
- Some devices have their own PIN code. Enter the specified PIN code to the unit.

- 1 Move to the next (or previous) number position.



- 2 Select a number.



- 3 Repeat steps 1 and 2 until you finish entering a PIN code.
- 4 Confirm the entry.



"OPEN.." flashes on the display.

5 Use the Bluetooth device to search and connect.

On the device to be connected, enter the same PIN code you have just entered for this unit. "CONNECTED" appears on the display. Now connection is established and you can use the device through the unit.

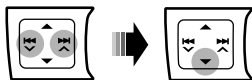
The device remains registered even after you disconnect the device. Use "CONNECT" (or activate "AUTO CNNECT") to connect the same device from next time on. (See the following and page 22.)

Connecting a device

1 Select "BT-PHONE" or "BT-AUDIO."

SRC

2 Select "NEW DEVICE."

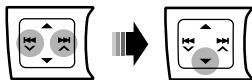


3 To search for available devices: Select "SEARCH."

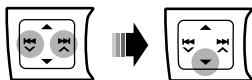
The unit searches and displays the list of the available devices. If no available device is detected, "UNFOUND" appears.

To connect a special device: Select "SPECIAL."

The unit displays the list of the preset devices.



4 Select a device you want to connect.



5 For available devices...

- 1 Enter the specific PIN code of the device to the unit. Refer to the instructions supplied with the device to check the PIN code.
- 2 Use the Bluetooth device to connect. Now connection is established and you can use the device through the unit.

For special device...

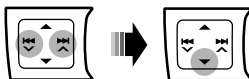
Use "OPEN" or "SEARCH" to connect.

Connecting/disconnecting/deleting a registered device

1 Select "BT-PHONE" or "BT-AUDIO."

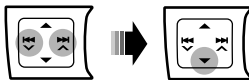
SRC

2 Select a registered device you want to connect/disconnect/delete.



3 To connect/disconnect the selected device: Select "CONNECT" or "DISCONNECT."

To delete the selected device: Select "DELETE," then "YES."



You can set the unit to connect the Bluetooth device automatically when the unit is turned on. (See "AUTO CNNECT" on page 22.)

Continued on the next page

Using the Bluetooth cellular phone

1		Select "BT-PHONE."
2		Enter the Bluetooth menu.
3	—	Make a call or setting using the Bluetooth setting menu. (See the following and page 22.)

When a call comes in....

The source is automatically changed to "BT-PHONE."

- The display will flash in blue (see "RING COLOR" on page 24 for setting).

When "AUTO ANSWER" is activated....

The unit answers the incoming calls automatically, see page 22.

- When "AUTO ANSWER" is deactivated, press any button (except ϕ /ATT/ $\blacktriangle$) to answer the incoming call.
- You can adjust the microphone volume level (see "MIC SETTING" on page 22).

To end the call

Hold any button (except ϕ /ATT/ $\blacktriangle$).

When a text message comes in....

If the cellular phone is compatible with text message (notified through JVC Bluetooth adapter) and "MSG INFO" (message info) is set to "AUTOMATIC" (see page 22), the unit rings to inform you of the message arrival.

- "RCV MESSAGE" (receiving message) appears on the display and the display illuminate in blue (see "RING COLOR" on page 24 for setting).

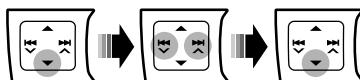
Making a call

You can make a call using the following methods.

Select "BT-PHONE," then follow the following steps to make a call:

- To return to the previous menu, press $\blacktriangle$.

1 Enter the "DIAL" menu.

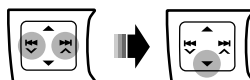


2 Select a calling method.



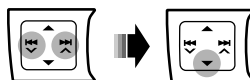
Call history:

- 1 Select a call history (REDIAL*, RECEIVED*, MISSED*).
- 2 Then select a name (if it is acquired) or phone number.



Phone book:

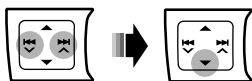
- 1 Select "PHONE BOOK*".
The list of phone number appears.
- 2 Select a name from the list.



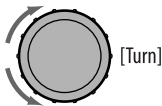
* Displays only when your cellular phone is equipped with these functions and is compatible with this unit.

Direct dialing:

- 1 Select "NUMBER."



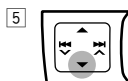
- 2 Select a number.



- 3 Move to the next (or previous) number position.

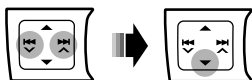


- 4 Repeat steps 2 and 3 until you finish entering the phone number.



Voice dialing:

- 1 Select "VOICE DIAL."



"SAY NAME" appears on the display.

- 2 Speak the name you want to call.
- If your cellular phone does not support the voice recognition system, "ERROR" appears on the display.
 - Using "VOICE DIAL" may be difficult in a noisy environment or during an emergency.

Using the Bluetooth audio player

SRC

Select "BT-AUDIO."

If playback does not start, operate the Bluetooth audio player to start playback.

- Operate the Bluetooth audio player to pause (if playback does not pause when you change the source).



Reverse skip/forward skip



Pause/start playback*



Enter the Bluetooth menu (see page 22)

* Operation may be different according to the connected Bluetooth audio player.

- Refer also to page 13 for connecting/disconnecting/deleting a registered device.
- If the sound is stopped or interrupted while using a Bluetooth device, turn off, and turn on the unit again to restore the sound.
If this does not work, reconnect the device (see page 13).

Bluetooth Information:

If you wish to receive more information about Bluetooth, visit the following JVC web site:
<<http://www.jvc.co.jp/english/car/>> (English website only)

Listening to the CD changer

It is recommended to use a JVC MP3-compatible CD changer (not supplied) with your unit. You can connect a CD changer to the CD changer jack on the rear of the unit.

- You can only play conventional CDs (including CD Text) and MP3 discs.

Preparation: Make sure "CH/IPOD" is selected in the "SRC SELECT" → "EXT IN" setting, see page 25.

1		Select "CD-CH."
2		Enter the list mode.
3	 [Turn] → [Press]	Select a disc, folder, then the track. Playback starts automatically. If there is no disc on the selected tray, the unit beeps.

- To select another folder/track while playing (for MP3 discs), repeat step **2** and **3** above until the desired folder/track is selected. The selection always start from disc number first.
- If another disc/folder is selected, playback starts from the 1st track of the selected disc/folder.

Pressing (or holding) the following buttons allows you to...

	MP3: Select folders
	[Press] Select track [Hold] Reverse/fast-forward track

Selecting the playback modes

-  [Hold]
-  [Turn] → [Press]

REPEAT ↔ RANDOM
-  [Turn] → [Press]

REPEAT	TRACK RPT	: Repeats current track
	FOLDER RPT	: MP3: Repeats all tracks of current folder
	DISC RPT	: Repeats all tracks of the current disc
RANDOM	FOLDER RND	: MP3: Randomly plays all tracks of the current folder, then tracks of the next folder
	DISC RND	: Randomly plays all tracks of current disc
	ALL RND	: Randomly plays all tracks of the discs in the magazine

- To cancel repeat play or random play, select "RPT OFF" or "RND OFF."
- To return to the previous menu, press BACK.

Listening to the iPod/iPhone

You can connect the iPod/iPhone using the following cable or adapter:

Cable/adapter	To operate
USB 2.0 cable (supplied with the iPod/iPhone) to the USB input jack on the control panel	See "When connected with the USB cable" below.
Interface adapter for iPod, KS-PD100 (not supplied) to the CD changer jack on the rear of the unit	See "When connected with the interface adapter" on page 18.

- Disconnecting the iPod/iPhone will stop playback. Press SRC to listen to another playback source.
- For details, refer also to the manual supplied with your iPod/iPhone.

Caution:

- Avoid using the iPod/iPhone if it might hinder your safety while driving.
- Make sure all important data has been backed up to avoid losing the data.

When connected with the USB cable

There are 2 control terminals in "USB-IPOD" source.

- "HEAD MODE" : Control by this unit.
- "IPOD MODE" : Control by the connected iPod/iPhone.

Preparation: Select the controlling terminal, "HEAD MODE" or "IPOD MODE" for iPod playback:

- Press and hold BACK button.
- Make the selection from "IPOD SWITCH" setting, see page 26.

The operations explained below are under "HEAD MODE."

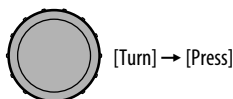
1		Select "USB-IPOD." Playback starts automatically.
2		Select a song.

Selecting a track from the menu

1 Enter the main menu.

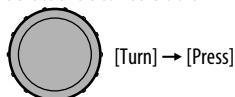


2 Select the desired menu.



PLAYLISTS ↔ ARTISTS ↔ ALBUMS ↔
SONGS ↔ PODCASTS ↔ GENRES ↔
COMPOSERS ↔ AUDIOBOOKS

3 Select the desired track.



- To return to the previous menu, press BACK.

Continued on the next page

Pressing (or holding) the following buttons allows you to...

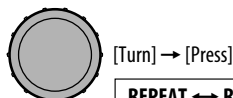
	[Press] Pause/resume playback.
	[Press] Select track [Hold] Reverse/fast-forward track

Selecting the playback modes

1

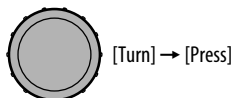


2



REPEAT ↔ RANDOM

3



REPEAT	ONE RPT	: Functions the same as "Repeat One" of the iPod.
	ALL RPT	: Functions the same as "Repeat All" of the iPod.
RANDOM	ALBUM RND	: Functions the same as "Shuffle Albums" of the iPod.
	SONG RND	: Functions the same as "Shuffle Songs" of the iPod.

- To cancel repeat play or random play, select "**RPT OFF**" or "**RND OFF**."
- "ALBUM RND" is not available for some iPod.
- To return to the previous menu, press BACK.

When connected with the interface adapter

Preparation: Make sure "CH/IPOD" is selected in the "SRC SELECT" → "EXT IN" setting, see page 25.

1		Select "IPOD." Playback starts automatically.
2		Select a song.

Selecting a track from the menu

1 Enter the main menu.



This mode will be canceled if no operations are done for about 5 seconds.

2 Select the desired menu.



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

3 Confirm the selection.



- Pressing and holding      skips 10 items at a time.
- If a track is selected, playback starts automatically.
- Press ▲ to return to the previous menu.

Pressing (or holding) the following buttons allows you to...

	Pause/resume playback
	[Press] Select track [Hold] Reverse/fast-forward track

Selecting the playback modes

See page 18 for operations.

- "ALBUM RND" functions only if you select "ALL" for "ALBUMS" in the main menu.

Listening to the other external components

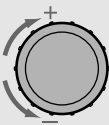
You can connect an external component to:

- **EXT INPUT:** CD changer jack on the rear of this unit using the following adapters (not supplied):
 - **KS-U57:** For connecting the component with pin jacks
 - **KS-U58:** For connecting the component with stereo mini jack

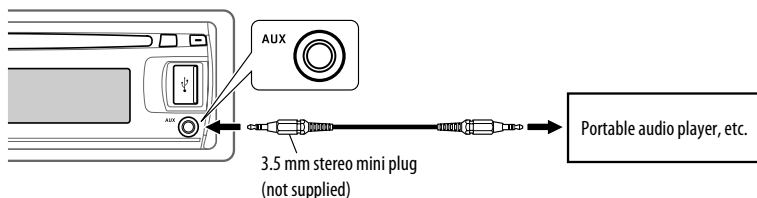
Preparation: Make sure "EXT INPUT" is selected in the "SRC SELECT" → "EXT IN" setting, see page 25.

- **AUX IN:** AUX (auxiliary) input jack on the control panel.

Preparation: Make sure "AUX ON" is selected in the "SRC SELECT" → "AUX IN" setting, see page 25.

1		Select "EXT INPUT" or "AUX IN."
2	—	Turn on the connected component and start playing the source.
3	 [Turn]	Adjust the volume.
4	—	Adjust the sound as you want (see pages 20 and 21).

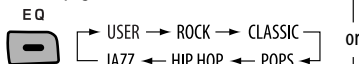
Connecting an external component to the AUX input jack



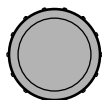
Selecting a preset sound mode

You can select a preset sound mode suitable to the music genre.

- See also page 23.



Selecting from Menu.



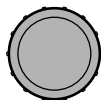
“EQ” → “USER/ROCK/CLASSIC /POPS/HIP HOP/JAZZ”

- See the following for “USER” settings.

Storing your own sound mode

You can store your own adjustments in memory.

1 Select “USER.”

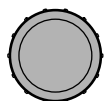


“EQ” → “USER”

2 While “USER” is shown on the display...

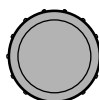


3 Select a tone.



← BASS ↔ MIDDLE ↔ TREBLE →

4 Adjust the sound elements of the selected tone.



- 1 Adjust the frequency.
- 2 Adjust the level.
- 3 Adjust the Q-slope.

Sound elements	Range/selectable items		
	BASS	MIDDLE	TREBLE
Frequency	60 Hz	0.5 kHz	10.0 kHz
	80 Hz	1.0 kHz	12.5 kHz
	100 Hz	1.5 kHz	15.0 kHz
	200 Hz	2.5 kHz	17.5 kHz
Level	−06 to +06	−06 to +06	−06 to +06
Q	Q1.0	Q0.75	Fix
	Q1.25	Q1.0	
	Q1.5	Q1.25	
	Q2.0		

5 Repeat steps 3 and 4 to adjust other sound characteristics.

The adjustment made will be stored automatically.

Preset value setting for each sound mode

Sound mode	Preset value									
	BASS			MIDDLE			TREBLE			LOUD (loudness)
	Freq.	Level	Q	Freq.	Level	Q	Freq.	Level	Q	
USER	60 Hz	00	Q1.25	1.0 kHz	00	Q1.0	10.0 kHz	00	—	OFF
ROCK	100 Hz	+03	Q1.0	1.0 kHz	00	Q1.25	10.0 kHz	+02	—	
CLASSIC	80 Hz	+01	Q1.25	1.0 kHz	00	Q1.25	10.0 kHz	+03	—	
POPS	100 Hz	+02	Q1.25	1.0 kHz	+01	Q1.25	10.0 kHz	+02	—	
HIP HOP	60 Hz	+04	Q1.0	1.0 kHz	-02	Q1.0	10.0 kHz	+01	—	
JAZZ	80 Hz	+03	Q1.25	1.0 kHz	00	Q1.25	10.0 kHz	+03	—	

Freq.: Frequency Q: Q-slope

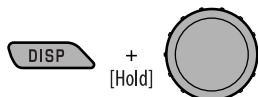
Title assignment

You can assign titles to 30 station frequencies (FM and AM) using 8 characters (maximum) for each title.

1 Select "FM" or "AM."



2 Show the title entry screen.



3 Assign a title.

1 Select a character.



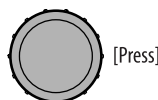
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3
4	5	6	7	8	9	-	/	<	>	space				

2 Move to the next (or previous) character position.



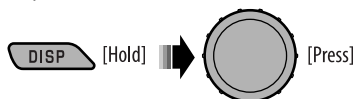
3 Repeat steps 1 and 2 until you finish entering the title.

4 Finish the procedure.



To erase the entire title

In step 2 on the left column...



Bluetooth settings

You can change the settings listed on the right column according to your preference.

1 Select "BT-PHONE" or "BT-AUDIO."

SRC

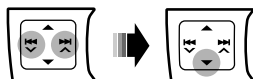
2 Enter the Bluetooth menu.



3 Select "SETTINGS."



4 Select a setting item.

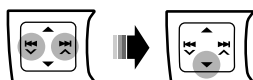


*1 Appears only when a Bluetooth phone is connected.

*2 Appears only when a Bluetooth phone is connected and it is compatible with text message (notified through JVC Bluetooth adapter).

*3 Bluetooth Audio: Shows only "Version."

5 Change the setting accordingly.



Setting menu (_ : Initial)

AUTO CNCT (connect)

When the unit is turned on, the connection is established automatically with...

OFF: No Bluetooth device.

LAST: The last connected Bluetooth device.

ORDER: The available registered Bluetooth device found at first.

AUTO ANSWER

Only for the device being connected for "BT-PHONE."

OFF: The unit does not answer the calls automatically. Answer the calls manually.

ON: The unit answers the incoming calls automatically.

REJECT: The unit rejects all incoming calls.

MSG INFO (message info)

Only for the device being connected for "BT-PHONE."

AUTOMATIC: The unit informs you of the arrival of a message by ringing and displaying "RCV MESSAGE" (receiving message).
• The display illuminate in blue (see "RING COLOR" on page 24).

MANUAL: The unit does not inform you of the arrival of a message.

MIC SETTING (microphone setting)

Only for the device being connected for "BT-PHONE."

Adjust the volume of the microphone connected to the Bluetooth adapter.

LEVEL 01/02/03

VERSION

The Bluetooth software and hardware versions are shown.

Menu operations

1 Call up the menu.  [Hold]	2 Select the desired item.  [Turn] → [Press]	3 Repeat step 2 if necessary. - To return to the previous menu, press BACK. - To exit from the menu, press DISP or MENU.
--	---	---

Initial: **Underlined**

Category	Menu items	Selectable settings, [reference page]
DEMO	DEMO Display demonstration	<u>DEMO ON</u> : Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7]. DEMO OFF : Cancels.
CLOCK	CLOCK DISP *1 Clock display	CLOCK ON : Clock time is shown on the display at all times when the power is turned off. <u>CLOCK OFF</u> : Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off, [7].
	CLOCK SET Clock setting	: Adjust the hour, then the minute, [7]. (Initial: 1:00)
EQ	EQ Equalizer	: Select a preset sound mode suitable to the music genre. <u>USER, ROCK, CLASSIC, POPS, HIP HOP, JAZZ</u>
DISPLAY	DIMMER Dimmer	<u>DIMMER AUTO</u> : Dims the display when you turn on the headlights.*2 DIMMER ON : Dims the display and button illumination. DIMMER OFF : Cancels.
	SCROLL *3 Scroll	<u>SCROLL ONCE</u> : Scrolls the displayed information once. SCROLL AUTO : Repeats scrolling (at 5-second intervals). SCROLL OFF : Cancels. Pressing DISP for more than one second can scroll the display regardless of the setting.
	TAG DISPLAY Tag display	<u>TAG ON</u> : Shows the Tag information while playing MP3/WMA tracks. TAG OFF : Cancels.

*1 If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select "CLOCK OFF" to save the car's battery.

*2 The illumination control lead connection is required. (See "Installation/Connection Manual.")

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

Continued on the next page

Category	Menu items	Selectable settings, [reference page]
TUNER	MONO *4 Monaural mode	• MONO ON : Activate monaural mode to improve FM reception, but stereo effect will be lost, [8]. • MONO OFF : Restore the stereo effect.
	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.
COLOR	COLOR 01 — COLOR 29, USER	: Select one of the preset or user color for display and button (except EQ /⏻/ATT/▲) illumination. (For customized color settings, "USER," see page 26.)
MENU COLOR	MENU COLOR Menu color	• ON : Changes the display and button (except EQ/⏻/ATT/▲) illumination during menu, list search and playback mode operations. • OFF : Cancels.
RING COLOR	RING COLOR *5 Ring color	• ON : When a call comes in, the display will flash in blue. • The display will change to the original color when you answer the call or the incoming call stops. When the unit receive a text message, the display only illuminate in blue. • OFF : Cancels.
AUDIO	FADER *6,*7 Fader	R06 – F06 : Adjust the front and rear speaker output balance. (Initial: 00)
	BALANCE *7 Balance	L06 – R06 : Adjust the left and right speaker output balance. (Initial: 00)
	LOUD Loudness	• LOUD ON : Boost low and high frequencies to produce a well-balanced sound at a low volume level. • LOUD OFF : Cancels.

*4 Displayed only when the source is "FM."

*5 Displayed only when Bluetooth adapter, KS-BTA200 is connected.

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

*7 This adjustment will not affect the subwoofer output.

Category	Menu items	Selectable settings, [reference page]
AUDIO	VOL ADJUST Volume adjust	VOL ADJ –05 — : Preset the volume adjustment level of each source (except FM), compared to the FM volume level. The volume level will automatically increase or decrease when you change the source. VOL ADJ +05 (Initial: VOL ADJ 00) • Before making an adjustment, select the source you want to adjust. • “VOL ADJ FIX” appears on the display if “FM” is selected as the source.
	L/O MODE Line output mode	• SUB.W : Select if the REAR LINE OUT terminals are used for connecting a subwoofer (through an external amplifier). • REAR : Select if the REAR LINE OUT terminals are used for connecting the speakers (through an external amplifier).
	SUB.W FREQ *8 Subwoofer cutoff frequency	• LOW : Frequencies lower than 72 Hz are sent to the subwoofer. • MID : Frequencies lower than 111 Hz are sent to the subwoofer. • HIGH : Frequencies lower than 157 Hz are sent to the subwoofer.
	SUB.W LEVEL *8 Subwoofer level	SUB.W 00 — SUB.W 08 : Adjust the subwoofer output level. (Initial: SUB.W 04)
	BEEP Key touch tone	• BEEP ON : Activates the key touch tone. • BEEP OFF : Deactivates the key touch tone.
	AMP GAIN *9 Amplifier gain control	• LOW POWER : VOLUME 00 – VOLUME 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speaker.) • HIGH POWER : VOLUME 00 – VOLUME 50
SRC SELECT	AM *10 AM station	• AM ON : Enable “AM” in source selection, [4]. • AM OFF : Disable “AM” in source selection.
	EXT IN *11, *12 External input	• CH/IPOD : To use a JVC CD changer, [16], or an Apple iPod/iPhone, [17]. • EXT INPUT : To listen to a portable audio player (connected to the CD changer jack), [19].
	AUX IN *13 Auxiliary input	• AUX ON : Enable “AUX IN” in source selection, [4]. • AUX OFF : Disable “AUX IN” in source selection.

*8 Displayed only when “L/O MODE” is set to “SUB.W.”

*9 The volume level automatically changes to “VOLUME 30” if you change to “LOW POWER” with the volume level set higher than “VOLUME 30.”

*10 Displayed only when any source other than “AM” is selected.

*11 Displayed only when one of the following sources is selected—FM, AM, CD, USB, USB-IPOD, BT-PHONE, BT-AUDIO, or AUX IN.

*12 Not required for Bluetooth.

*13 Displayed only when any source other than “AUX IN” is selected.

Continued on the next page

Category	Menu items	Selectable settings, [reference page]
AUDIOBOOKS	AUDIOBOOKS *14 Speed control of "Audiobooks"	• NORMAL : You can select the playback speed of the "Audiobook" sound file in your iPod. • FASTER • SLOWER : Initial selected item depends on your iPod setting.
IPOD SWITCH	IPOD SWITCH *15 iPod/iPhone control	• HEAD MODE : Controls iPod playback through the unit. • IPOD MODE : Controls iPod playback through the iPod/iPhone.

*14 Displayed only when an iPod is connected to the USB cable and playback is controlled from the unit.

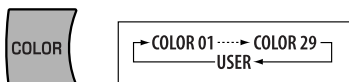
*15 Displayed only when "USB-IPOD" is selected as the source and "IPOD MODE" is available for the connected iPod/iPhone (see page 30).

Color settings

Selecting a preset color

You can select a preset color for the buttons and display.

- See also page 24.



Creating your own color —USER Color

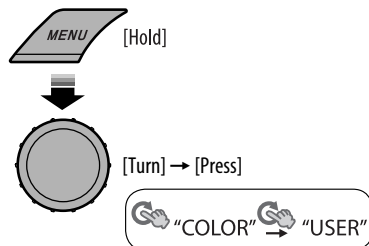
You can create your own colors—"DAY COLOR" or "NIGHT COLOR."

DAY COLOR: Color for the display and buttons.

NIGHT COLOR: Color for the display and buttons when the display is dimmed.

To dim the display, see
"DIMMER" on page 23.

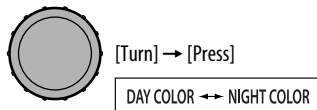
1 Select "USER."



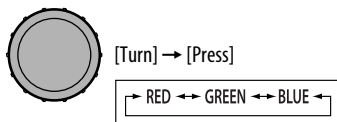
2 While "USER" is shown on the display...



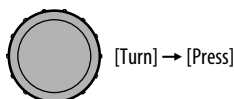
3



4 Select a primary color.



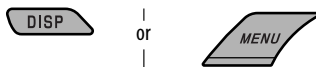
5 Adjust the level (00 to 31) of the selected primary color.



If "00" is selected for all the primary colors, nothing appear on the display.

6 Repeat steps 4 and 5 to adjust other primary colors.

7 Exit from the setting.



Select "USER" to show your own colors for the buttons and display.

More about this unit

Basic operations

Turning on the power

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

Turning off the power

- If you turn off the power while listening to a track, playback will start from where it had been stopped previously next time you turn on the power.

General

- If you change the source while listening to a disc, playback stops. Next time you select "CD" as the playback source, playback will start from where it had been stopped previously.
- If the ejected disc is not removed within 15 seconds, it is automatically inserted into the loading slot again to protect it from dust.
- After ejecting a disc or disconnect a USB device, "NO DISC" or "NO USB" appears and you cannot operate some of the buttons. Insert another disc, reconnect a USB device, or press SRC to select another playback source.
- If no operation is done for about 30 seconds after pressing MENU button or control dial, the operation will be canceled.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and the stations are stored anew.
 - When SSM is over, the station stored in the lowest preset number will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

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

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3/WMA formats.
- When a disc is inserted upside down, "PLEASE" and "EJECT" appear alternately on the display. Press ▲ to eject the disc.
- MP3 and WMA "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."
- While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Continued on the next page

Playing a CD-R or CD-RW

- Use only “finalized” CD-Rs or CD-RWs.
 - This unit can only play back files of the same type as those detected first if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
 - This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
 - Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation has occurred on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
 - The files on the CD-R/CD-RW are written using the “Packet Write” method.
 - There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
 - CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
 - Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or a protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.
- Using these discs under high temperature or high humidity may cause malfunctions or damage to the unit.

Playing an MP3/WMA disc

- This unit can play back MP3/WMA files with the extension code `<.mp3>` or `<.wma>` (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.

- This unit can play back MP3/WMA files meeting the conditions below:
 - Bit rate of MP3/WMA: 32 kbps — 320 kbps
 - Sampling frequency of MP3:
 - 32 kHz, 44.1 kHz, 48 kHz (for MPEG-1)
 - 16 kHz, 22.05 kHz, 24 kHz (for MPEG-2)
 - Sampling frequency of WMA: 22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz
 - Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows extension.
- The maximum number of characters for file/folder names vary depending on the disc format used (includes 4 extension characters—`<.mp3>` or `<.wma>`).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo: up to 64 characters
 - Joliet: up to 32 characters
 - Windows extension: up to 64 characters
- This unit can recognize a total of 512 files, 255 folders, and 8 hierarchical levels.
- This unit can play back files recorded in VBR (variable bit rate).

Files recorded in VBR have a discrepancy in the elapsed time display, and do not show the actual elapsed time. In particular, this difference becomes noticeable after performing the search function.
- This unit cannot play back the following files:
 - MP3 files encoded in MP3i and MP3 PRO format.
 - MP3 files encoded in an inappropriate format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded in lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - Files which have data such as AIFF, ATAC3, etc.
- The search function works but search speed is not constant.

Playing MP3/WMA tracks from a USB device

- While playing from a USB device, the playback order may differ from other players.
- This unit may be unable to play back some USB devices or some files due to their characteristics or recording conditions.
- 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.
- Connect one USB mass storage class device to the unit at a time. Do not use a USB hub.
- If the connected USB device does not have the correct files, "CANNOT PLAY" appears.
- If the files have not been formatted correctly, "NOT SUPPORT" appears.
- This unit can show Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can play back MP3/WMA files meeting the conditions below:
 - Bit rate of MP3/WMA: 32 kbps — 320 kbps
 - Sampling frequency of MP3: 32 kHz, 44.1 kHz, 48 kHz (for MPEG-1) 16 kHz, 22.05 kHz, 24 kHz (for MPEG-2)
 - Sampling frequency of WMA: 22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz
- This unit can play back MP3 files recorded in VBR (variable bit rate).
- The maximum number of characters for:
 - Folder names : 32 characters
 - File names : 32 characters
 - MP3 Tag : 64 characters
 - WMA Tag : 32 characters
- This unit can recognize a total of 5 000 files, 255 folders (255 files per folder including folder without unsupported files), and of 8 hierarchies.
- This unit does not support SD card reader.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 500 mA.
- 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 may not recognize a USB device connected through a USB card reader.

- This unit may not play back files in a USB device properly when using a USB extension cord.
- This unit cannot play back the following files:
 - MP3 files encoded with MP3i and MP3 PRO format.
 - MP3 files encoded in an inappropriate format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded in lossless, professional, and voice format.
 - WMA files not based on Windows Media® Audio.

Bluetooth operations

General

- While driving, do not perform complicated operation such as dialing the numbers, using phone book, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not be connected to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting condition may vary depending on the circumstances around you.
- When the unit is turned off, the device is disconnected.

Warning messages for Bluetooth operations

- **ERROR CNNT** (Error Connection):
The device is registered but the connection has failed. Use "CONNECT" to connect the device again. (See page 13.)
- **ERROR**
Try the operation again. If "ERROR" appears again, check if the device supports the function you have tried.
- **UNFOUND**
No available Bluetooth device is detected by "SEARCH."

Continued on the next page

• **LOADING**

The unit is updating the phone book.

• **PLEASE WAIT**

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).

• **RESET 8**

Check the connection between the adapter and this unit.

iPod/iPhone operations

- You can control the following types of iPods/iPhone:

(A) Connected with the USB cable:

- iPod with video (5th Generation)*1
- iPod classic*1, *2
- iPod nano
- iPod nano (2nd Generation)
- iPod nano (3rd Generation)*1, *2
- iPod nano (4th Generation)*1, *2
- iPod Touch*1, *2
- iPod Touch (2nd Generation)*1, *2
- iPhone/iPhone 3G*1, *2

(B) Connected with the interface adapter:

- iPod with dock connector (3rd Generation)
- iPod with Click Wheel (4th Generation)
- iPod mini
- iPod photo
- iPod with video (5th Generation)*1
- iPod classic*1
- iPod nano
- iPod nano (2nd Generation)
- iPod nano (3rd Generation)*1
- iPod nano (4th Generation)*1

*1 *It is not possible to browse video files on the "Videos" menu.*

*2 *"IPOD MODE" is available (see page 17).*

- If the iPod does not play correctly, please update your iPod software to the latest version. For details about updating your iPod, visit <<http://www.apple.com>>.

- When you turn on this unit, the iPod is charged through this unit.
- iPod shuffle cannot be used with this unit.
- The song order displayed on the selection menu of this unit may differ from that of the iPod.
- The text information may not be displayed correctly:
 - Some characters such as accented letters cannot be shown correctly on the display.
 - Communication between the iPod and the unit is not stable.
- If the text information includes more than 11 characters, it scrolls on the display. This unit can display up to 40 characters for "IPOD" and up to 64 characters for "USB-IPOD."

Note:

When operating an iPod, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:
<<http://www.jvc.co.jp/english/car/>> (English website only)

Title assignment

- If you try to assign titles to more than 30 station frequencies, "NAME FULL" appears. Delete unwanted titles before assignment.

Menu operations

- If you change the "AMP GAIN" setting from "HIGH POWER" to "LOW POWER" while the volume level is set higher than "VOLUME 30," the unit automatically changes the volume level to "VOLUME 30."

JVC bears no responsibility for any loss of data in an iPod/iPhone and/or USB mass storage class device while using this System.

Troubleshooting

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

	Symptoms	Remedies/Causes
General	• Sound cannot be heard from the speakers.	• Adjust the volume to the optimum level. • Check the cords and connections.
	• The unit does not work at all.	Reset the unit (see page 3).
	• "AUX IN" cannot be selected.	Check the "SRC SELECT" → "AUX IN" setting (see page 25).
	• Nothing appear on the display.	Check the "USER" color settings (see page 26).
FM/AM	• SSM automatic presetting does not work.	Store stations manually.
	• Static noise while listening to the radio.	Connect the antenna firmly.
	• "AM" cannot be selected.	Check the "SRC SELECT" → "AM" setting (see page 25).
Discs in general	• Disc cannot be played back.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back.	• Insert a finalized CD-R/CD-RW.
	• Tracks on the CD-R/CD-RW cannot be skipped.	• Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc can neither be played back nor ejected.	• Unlock the disc (see page 9). • Eject the disc forcibly (see page 3).
	• Disc sound is sometimes interrupted.	• Stop playback while driving on rough roads. • Change the disc. • Check the cords and connections.
	• "NO DISC" appears on the display.	Insert a playable disc into the loading slot.
MP3/WMA playback	• "PLEASE" and "EJECT" appear alternately on the display.	Press ▲, then insert a disc correctly.
	• Disc cannot be played back.	• Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. • Add the extension code <.mp3> or <.wma> to the file names.
	• Noise is generated.	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)

Continued on the next page

	Symptoms	Remedies/Causes
MP3/WMA playback	A longer readout time is required ("READING" keeps flashing on the display).	Do not use too many hierarchical levels and folders.
	Tracks do not play back in the order you have intended them to play.	The playback order is determined when the files are recorded.
	The elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.
	"NO FILE" appears on the display.	Selected folder is an empty folder* ¹ . Select another folder that contains MP3/WMA tracks.
	"NOT SUPPORT" appears on the display and track skips.	Check whether the track is a playable file format.
	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. (See page 21.)
USB device playback	Noise is generated.	The track played back is not an MP3/WMA track. Skip to another file. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	"READING" keeps flashing on the display.	- Readout time varies depending on the USB device. - Do not use too many hierarchy or folders. - Turn off the power then on again. - Do not pull out or connect the USB device repeatedly while "READING" is displayed on the display.
	"NO FILE" appears on the display.	Check whether the selected folder, the connected USB device, or the iPod/iPhone contains a playable file.
	Tracks/folders are not played back in the order you have intended.	The playback order is determined by the file name. Folders with numbers on the initial of their names are sorted in numerical order. However, folders with no numbers on the initial of their names are sorted according to the file system of the USB device.
	"CANNOT PLAY" appears on the display. "NO USB" appears on the display. - The unit cannot detect the USB device.	- Check whether the connected USB device or the iPod is compatible with this unit. - The USB device is not connected properly. Connect the USB device again.
	"NOT SUPPORT" appears on the display and track skips.	Check whether the track is a playable file format.
	Correct characters are not displayed (e.g. album name).	This unit can only display alphabets (upper case), numbers, and a limited number of symbols. (See page 21.)
	While playing a track, sound is sometimes interrupted.	The tracks have not been properly copied into the USB device. Copy tracks again into the USB device, and try again.

*¹ Folder that is physically empty or folder that contains data but does not contain valid MP3/WMA track.

	Symptoms	Remedies/Causes
Bluetooth*2	Bluetooth device does not detect the unit.	The unit can be connected with one Bluetooth cellular phone and one Bluetooth audio device at a time. While connecting a device, this unit cannot be detected from another device. Disconnect currently connected device and search again.
	The unit does not detect the Bluetooth device.	- Check the Bluetooth setting of the device. - Search from the Bluetooth device. After the device detects the unit, select "OPEN" on the unit to connect the device. (See page 12.)
	The unit does not make pairing with the Bluetooth device.	- Enter the same PIN code for both the unit and target device. - Select the device name from "SPECIAL," then try to connect again. (See page 13.) - Try to pair/connect from the Bluetooth device.
	Echo or noise occurs.	Adjust the microphone unit position.
	Phone sound quality is poor.	- Reduce the distance between the unit and the Bluetooth cellular phone. - Move the car to a place where you can get a better signal reception.
	The sound is interrupted or skipped during playback of a Bluetooth audio player.	- Reduce the distance between the unit and the Bluetooth audio player. - Disconnect the device connected for "BT-PHONE." - Turn off, then turn on the unit. - Connect the player again, when the sound is not yet restored.
CD changer	The connected audio player cannot be controlled.	Check whether the connected audio player supports AVRCP (Audio Video Remote Control Profile). (Operations depend on the connected audio player.)
	"NO DISC" appears on the display.	Insert a disc into the magazine.
	"NO MAGAZINE" appears on the display.	Insert the magazine.
	"RESET 8" appears on the display.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	"RESET 1" – "RESET 7" appears on the display.	Press the reset button of the CD changer.
	The CD changer does not work at all.	Reset the unit (see page 3).

*2 For Bluetooth operations, refer also to the instructions supplied with the Bluetooth Adapter.

Continued on the next page

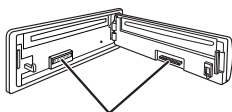
		Symptoms	Remedies/Causes
iPod/iPhone		• The iPod does not turn on or does not work.	• Check the connecting cable and its connection. • Update the firmware version of the iPod/iPhone. • Charge the battery of the iPod/iPhone. • Reset the iPod/iPhone. • Check whether "IPOD SWITCH" setting is appropriate (see page 26).
		• The sound is distorted.	Deactivate the equalizer either on this unit or the iPod/iPhone.
		• No sound can be heard in "IPOD MODE."	Check whether "IPOD SWITCH" setting is appropriate (see page 26).
		• Playback stops.	The headphones are disconnected during playback. Restart the playback operation (see pages 17 and 18).
		• "CANNOT PLAY" appears on the display.	No tracks are stored. Import tracks to the iPod/iPhone.
		• "RESTRICTED" appears on the display.	Check whether the connected iPod/iPhone is compatible with this unit (see page 30).
	Only when connecting with the interface adapter	• "NO FILES" appears on the display.	No tracks are stored. Import tracks to the iPod.
		• The iPod's controls do not work after disconnecting from this unit.	Reset the iPod.
		• "NO IPOD" appears on the display.	• Check the connecting cable and its connection. • Charge the battery.
		• No sound can be heard when connecting an iPod nano.	• Disconnect the headphones from the iPod nano. • Update the firmware version of the iPod nano.
		• "RESET 1" – "RESET 7" appears on the display.	Disconnect the adapter from both this unit and iPod. Then, connect it again.
		• "RESET 8" appears on the display.	Check the connection between the adapter and this unit.

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- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- "Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone 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.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- iPhone is a trademark of Apple Inc.

Maintenance

How to clean the connectors

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



Connectors

Moisture condensation

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

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

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

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.



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

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

- Make sure to store discs in cases after use.

To keep discs clean

A dirty disc may not play correctly.

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



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

To play new discs

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



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

Do not use the following discs:

Single CD (8 cm disc)



Warped disc



Sticker and sticker residue



Stick-on label



Unusual shape



C-thru Disc (semi-transparent disc)



Transparent or semi-transparent parts on its recording area



Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:	Front/Rear:	50 W per channel
Continuous Power Output (RMS):	Front/Rear:	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance:		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:	Bass:	± 12 dB (60 Hz, 80 Hz, 100 Hz, 200 Hz) Q1.0, Q1.25, Q1.5, Q2.0
	Middle:	± 12 dB (0.5 kHz, 1.0 kHz, 1.5 kHz, 2.5 kHz) Q0.75, Q1.0, Q1.25
	Treble:	± 12 dB (10.0 kHz, 12.5 kHz, 15.0 kHz, 17.5 kHz) Q = Fixed
Frequency Response:		40 Hz to 20 000 Hz
Signal-to-Noise Ratio:		70 dB
Line-Out Level/Impedance:		2.5 V/20 k Ω load (full scale)
Subwoofer-Out Level/Impedance:		2.5 V/20 k Ω load (full scale)
Output Impedance:		1 k Ω
Other Terminal:		USB input jack, AUX (auxiliary) input jack, CD changer jack

TUNER SECTION

Frequency Range:	FM:	87.5 MHz to 108.0 MHz
	AM:	531 kHz to 1 602 kHz
FM Tuner:	Usable Sensitivity:	9.3 dBf (0.8 μ V/75 Ω)
	50 dB Quieting Sensitivity:	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz):	65 dB
	Frequency Response:	40 Hz to 15 000 Hz
	Stereo Separation:	40 dB
AM Tuner:	Sensitivity:	20 μ V
	Selectivity:	40 dB

CD PLAYER SECTION	
Type:	Compact disc player
Signal Detection System:	Non-contact optical pickup (semiconductor laser)
Number of Channels:	2 channels (stereo)
Frequency Response:	5 Hz to 20 000 Hz
Dynamic Range:	96 dB
Signal-to-Noise Ratio:	98 dB
Wow and Flutter:	Less than measurable limit
MP3 Decoding Format: (MPEG1/2 Audio Layer 3)	Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format:	Max. Bit Rate: 320 kbps

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
Max. Current:	DC 5 V --- 500 mA

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): (approx.)	Installation Size:	182 mm × 52 mm × 160 mm
	Panel Size:	188 mm × 58 mm × 6 mm
Mass:		1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

หากมีปัญหาในการใช้งาน
กรุณากดปุ่มตั้งค่าเริ่มต้นใหม่
กรุณาดูหน่วยวิธีตั้งค่าเครื่องใหม่

JVC



EN, TH

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1208DTSMDTJEIN

JVC

KD-R606/KD-R605

Installation/Connection Manual

การติดตั้ง/คู่มือการติดตั้ง

GET0577-006A
[U/UH]

1208DTSMDTJEIN
EN, TH

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ENGLISH

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

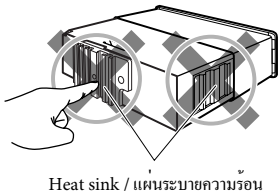
WARNINGS

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

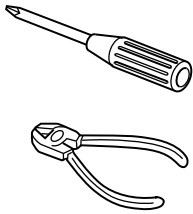
- **Be sure to ground this unit to the car’s chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change “AMP GAIN” setting to prevent the speakers from being damaged (see page 25 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Heat sink / แผ่นระบายความร้อน



ไทย

ชุดประกอบนี้ได้รับการออกแบบมาเพื่อใช้งานกับระบบ กระแสไฟฟ้าสายดินขั้วลบกระแสตรง **12 โวลต์** หากรถยนต์ของคุณไม่ใช้ระบบนี้ ต้องใช้เครื่องแปลงกระแสไฟขั้วลบ ซึ่งสามารถหาซื้อได้จากร้านขายเครื่องเสียงรถยนต์ JVC

คำเตือน

เพื่อป้องกันการเกิดไฟฟ้าลัดวงจรขอแนะนำให้ปลดขั้วแบตเตอรี่ลบออกแล้วจึงต่อสายไฟก่อนติดตั้งเครื่อง

- ตรวจสอบให้แน่ใจว่าได้เดินสายดินต่อระหว่างเครื่องกับตัวถัง รถยนต์ใหม่แล้วหลังจากติดตั้ง

หมายเหตุ:

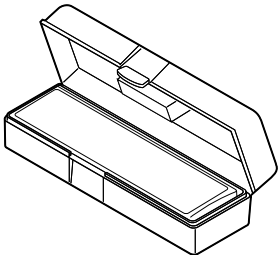
- ใช้ฟิวส์ทดแทนฟิวส์ หากฟิวส์ขาดบ่อย ให้ปรึกษาร้านขายเครื่องเสียงรถยนต์ JVC
- ขอแนะนำให้ต่อลำโพง ที่มีกำลังขับสูงสุดเกินกว่า 50 W (ทั้งด้านหน้าและด้านหลัง มีความต้านทาน **4 Ω ถึง 8 Ω**) ถ้ากำลังขับต่ำกว่า 50 W ให้เปลี่ยนค่า “AMP GAIN” เพื่อป้องกันไม่ให้ลำโพงชำรุด (ดูหน้า 25 คำแนะนำ)
- การป้องกันการลัดวงจร จะต้องพันขั้วสายตะกั่ว ที่ไม่ใช้แล้วด้วยเทปพันสายไฟ
- แผ่นระบายความร้อนจะร้อนมากหลังจากใช้ ระวังอย่าไป สัมผัสเมื่อถอดชุดประกอบนี้

Parts list for installation and connection

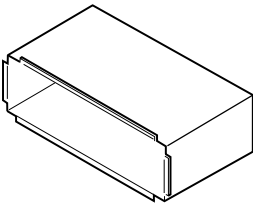
The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.

รายการส่วนประกอบสำหรับติดตั้งและเชื่อมต่อกัน

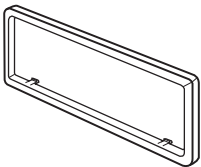
ส่วนประกอบต่อไปนี้ให้มาพร้อมกับชุดประกอบนี้ หากมีสิ่งใดไม่ครบ กรุณาปรึกษาตัวแทนจำหน่ายเครื่องเสียงติดรถยนต์ JVC โดยทันที



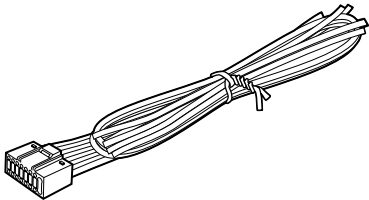
A / B
Hard case/Control panel
ถังบรรจุ/หน้าปัด



C
Sleeve
ปลอกหุ้ม



D
Trim plate
แผ่นโลหะขอบแต่ง



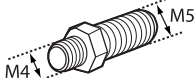
E
Power cord
สายเคเบิลกำลัง



F
Washer (ø5)
ปะเก็นวงแหวน (ø5)



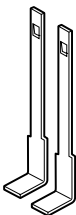
G
Lock nut (M5)
นอตล็อก (M5)



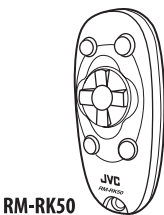
H
Mounting bolt (M4 × 5 mm; M5 × 12.5 mm)
สลักติด (M4 × 5 มม.; M5 × 12.5 มม.)



I
Rubber cushion
ยางกันกระแทก



J
Handles
คันบังคับ



K
Remote controller
รีโมตคอนโทรล



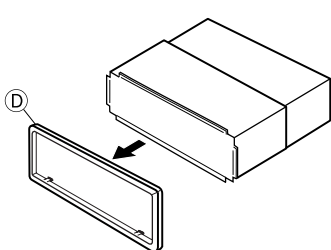
L
Battery
แบตเตอรี่

INSTALLATION (IN-DASH MOUNTING)

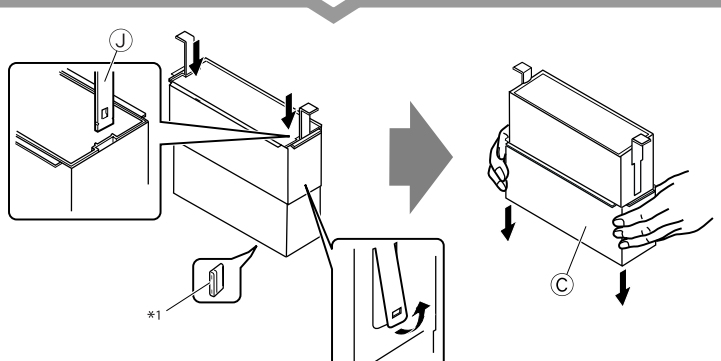
The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

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

1

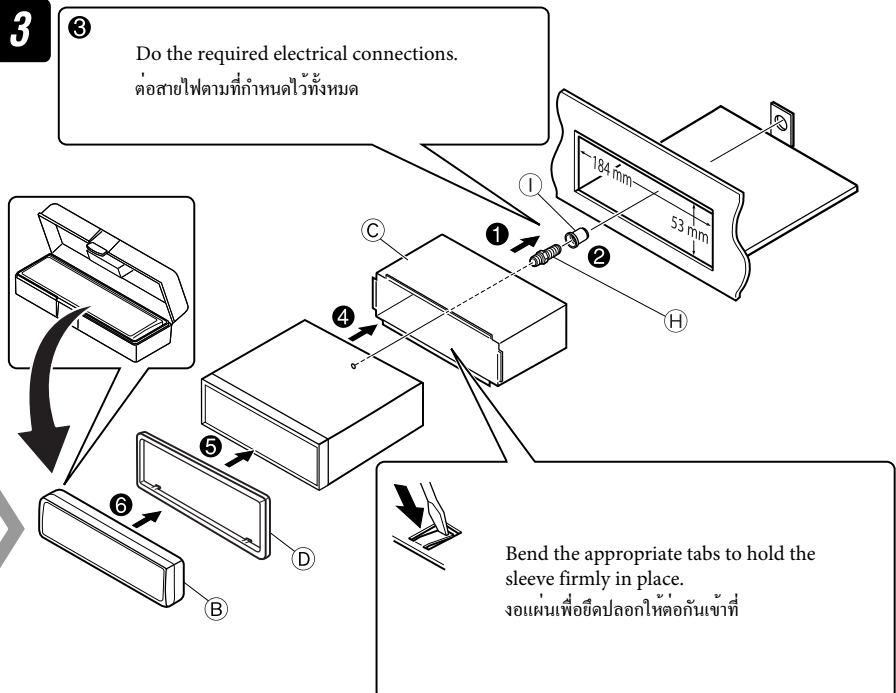


2



3

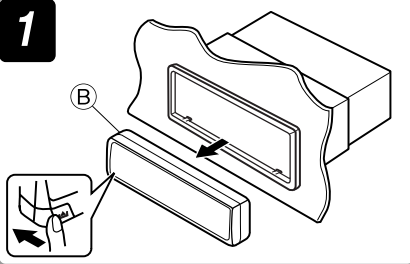
③ Do the required electrical connections.
ต่อสายไฟตามที่กำหนดไว้ทั้งหมด



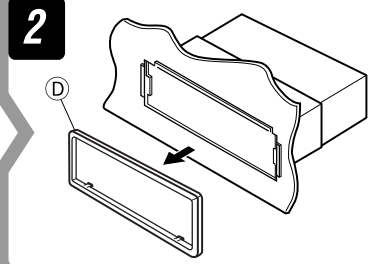
Removing the unit

Before removing the unit, release the rear section.

1

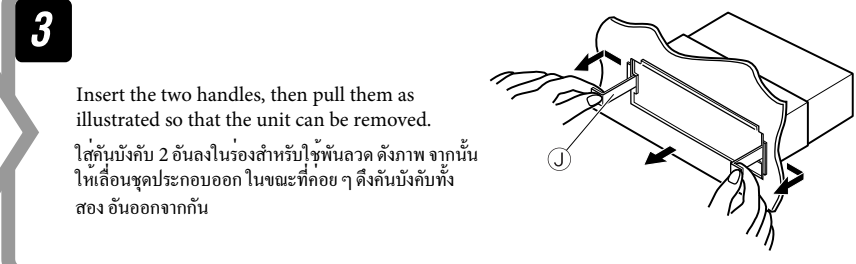


2



3

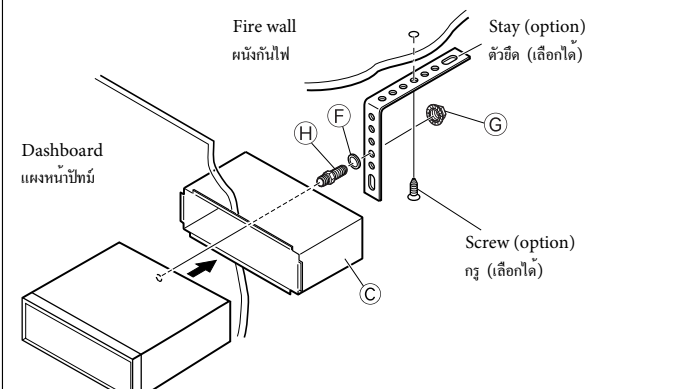
Insert the two handles, then pull them as illustrated so that the unit can be removed.
ใส่คันบังคับ 2 อันลงในร่องสำหรับใช้พื้นหลัง ดังภาพ จากนั้นให้เลื่อนชุดประกอบออก ในขณะที่ค่อย ๆ ดึงคันบังคับทั้งสอง อันออกจากกัน



การถอดชุดประกอบ

ก่อนจะถอดชุดประกอบ ให้ปลดหน้าตัดส่วนท้ายก่อน

When using the optional stay / เมื่อใช้ตัวยึดแบบเลือกได้



Fire wall
ผนังกันไฟ

Stay (option)
ตัวยึด (เลือกได้)

Dashboard
แผงหน้าปัด

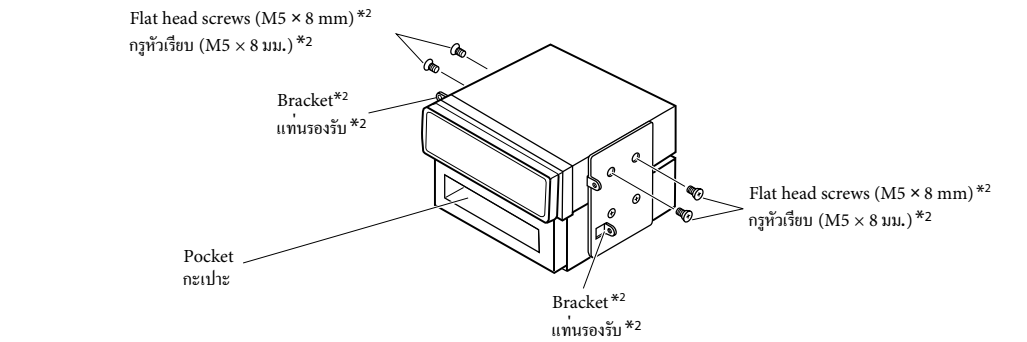
Screw (option)
กรู (เลือกได้)

Install the unit at an angle of less than 30°.
ติดตั้งชุดประกอบที่มุมต่ำกว่า 30° องศา

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

When installing the unit without using the sleeve / เมื่อติดตั้งชุดประกอบโดยไม่ใช้ปลอกหุ้ม

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



Flat head screws (M5 × 8 mm) *2
กรูหัวเรียบ (M5 × 8 มม.) *2

Bracket*2
แท่นรองรับ *2

Pocket
กะเปาะ

Flat head screws (M5 × 8 mm) *2
กรูหัวเรียบ (M5 × 8 มม.) *2

Note
หมายเหตุ

: When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
: เมื่อติดตั้งชุดประกอบลงในแท่นรองรับไว้ ให้ใช้สกรูยาวขนาด 8 มม. ถ้าใช้สกรูยาวกว่านี้อาจทำให้ชุดประกอบเสียหายได้

TROUBLESHOOTING

- The fuse blows.**
 - * Are the red and black leads connected correctly?
- Power cannot be turned on.**
 - * Is the yellow lead connected?
- No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- This unit does not work at all.**
 - * Have you reset your unit?

การตรวจสอบปัญหาขัดข้อง

- ฟิวส์ขาด**
 - * มีการเชื่อม ขั้วสายดำและสีแดงอย่างถูกต้องหรือไม่
- ไม่สามารถเปิดเครื่องได้**
 - * มีการเชื่อมสายขั้วสายสีเหลืองหรือไม่
- ไม่มีเสียงออกจากลำโพง**
 - * สายขั้วสายส่วนที่ออกจากลำโพงเกิดไฟฟ้าลัดวงจรหรือไม่
- เสียงเพี้ยน**
 - * สายขั้วสายส่วนที่ออกจากลำโพงต่อลงดินหรือไม่
 - * สายขั้วสาย “-” ของลำโพงด้านซ้ายและขวาคือลงดินตามปกติหรือไม่
- เสียงรบกวน**
 - * มีการใช้สายสั้นๆ หรือหนาๆ ต่อจากเครื่องส่วนที่ติดตั้ง ไว้บนพื้นด้านหลังกับตัวถังรถยนต์หรือไม่
- ชุดประกอบร้อนขึ้น**
 - * สายขั้วสายส่วนที่ออกจากลำโพงต่อลงดินหรือไม่
 - * สายขั้วสาย “-” ของลำโพงด้านซ้ายและขวาคือลงดินตามปกติหรือไม่
- เครื่องรับทำงานไม่**
 - * ท่านได้ตั้งเครื่องใหม่แล้วหรือยัง

ELECTRICAL CONNECTIONS

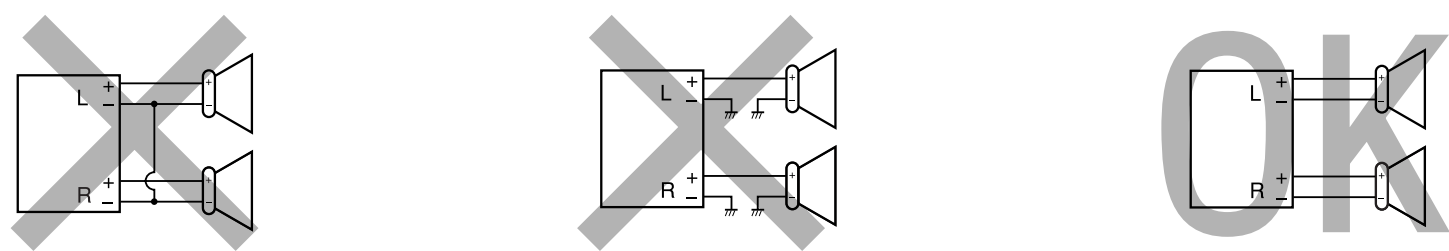
การเชื่อมต่อโดยใช้ไฟฟ้า

PRECAUTIONS on power supply and speaker connections:

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

ข้อควรระวังสำหรับการต่อแหล่งจ่ายกำลังและลำโพง:

- อย่าต่อสายตะกั่วเบ็ดกำลังของลำโพงเข้ากับแบตเตอรี่รถยนต์ มิฉะนั้น ชุดประกอบจะได้รับความเสียหายมาก
- ก่อนที่จะต่อสายตะกั่วเบ็ดกำลังของลำโพงเข้ากับลำโพง ให้ตรวจสอบการเดินสายไฟลำโพงในรถของคุณให้เรียบร้อยเสียก่อน



A Typical connections / การเชื่อมต่อแบบปกติ

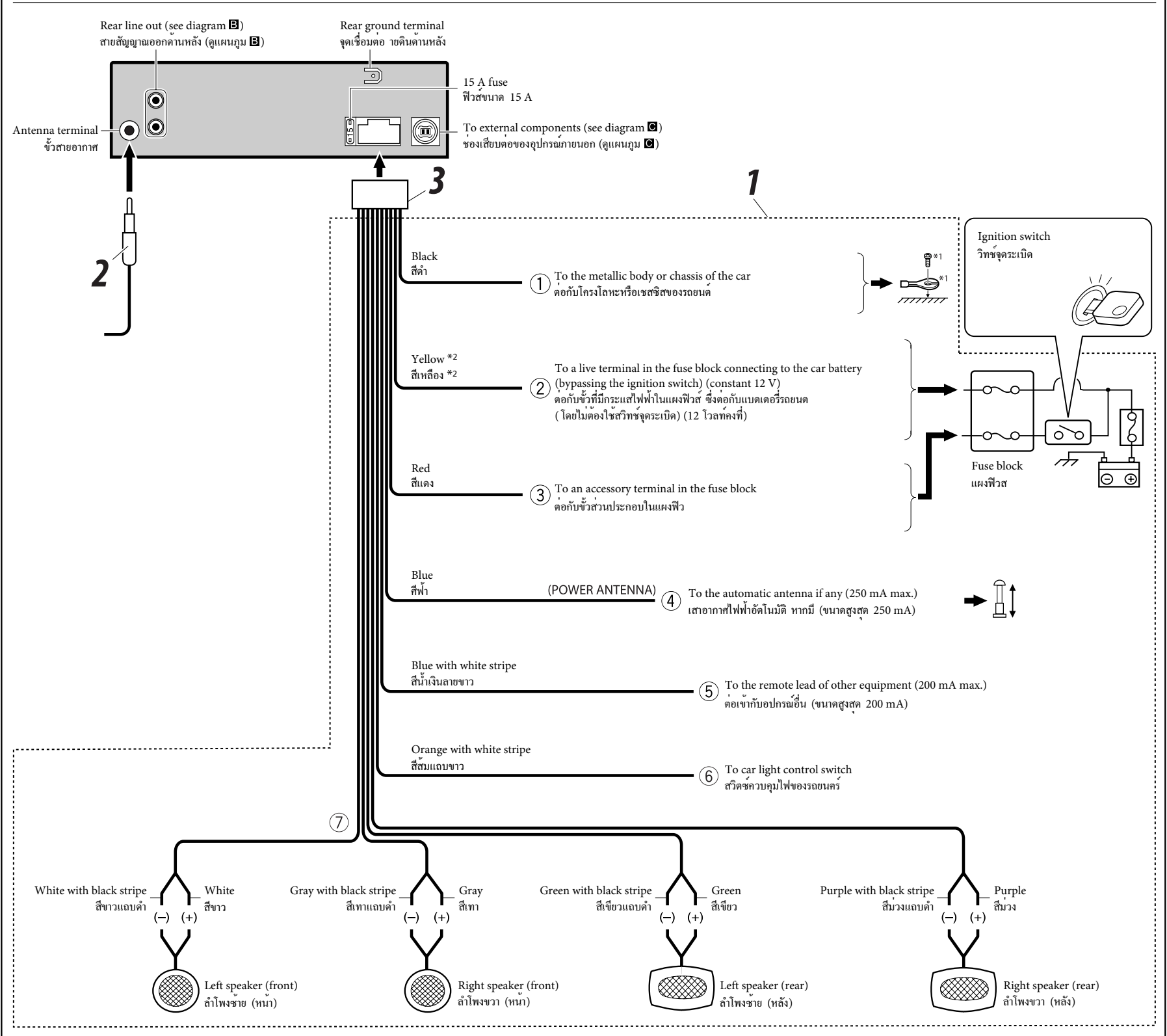
Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

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

ก่อนการเชื่อมต่อ: ตรวจสอบการเดินสายไฟในรถยนต์ให้ละเอียดถี่ถ้วน เพราะการเชื่อมต่อที่ผิดพลาดอาจทำให้เกิดความเสียหายร้ายแรงต่อชุดประกอบชุดนี้ได้

สายตะกั่วของสายไฟและของอุปกรณ์ต่อเชื่อมจากตัวถังรถยนต์อาจมีสีที่ไม่เหมือนกัน

- 1 ต่อสายไฟสีตามลำดับที่ระบุในรูปด้านล่าง
- 2 เชื่อมต่อกับสายอากาศ
- 3 สุดท้าย ต่อส่วนควบคุมการเดินสายไฟเข้ากับชุดประกอบชุดนี้



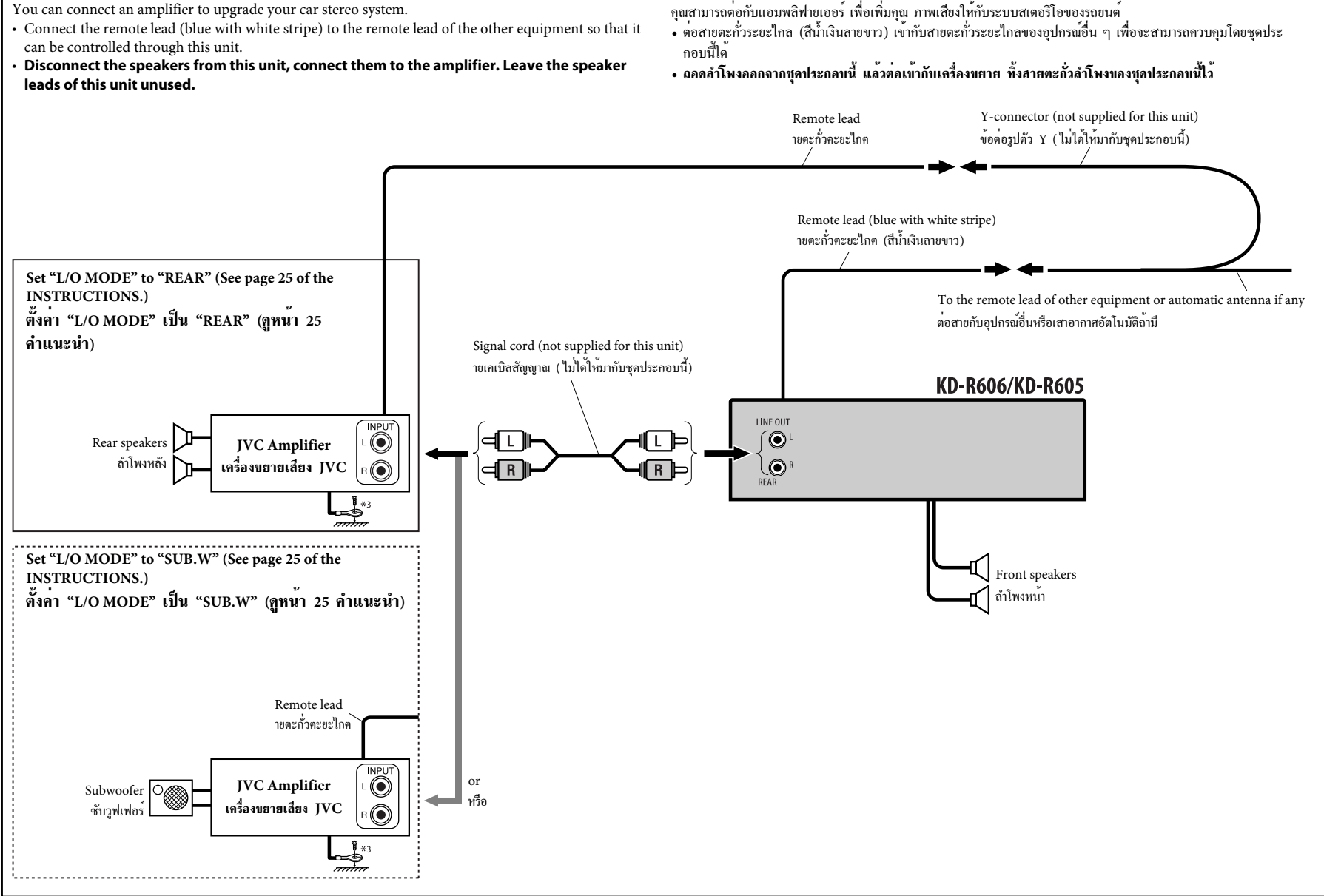
*1 Not supplied for this unit.

*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

*1 ไม่ได้ให้มากับชุดประกอบนี้

*2 ก่อนการตรวจสอบการทำงานของชุดประกอบนี้ก่อนที่จะติดตั้ง ต้องต่อสายตะกั่วนี้ก่อน มิฉะนั้นจะไม่สามารถเปิดเครื่องได้

B Connecting the external amplifier or subwoofer / การเชื่อมต่อเครื่องขยายเสียงภายนอก



C Connecting the external components / การต่อเพิ่มเติมเข้ากับอุปกรณ์อื่นๆ

When connecting the external components, refer also to the manuals supplied for the components and adapters.

เมื่อเชื่อมต่ออุปกรณ์ภายนอก ให้ดูข้อมูลเกี่ยวกับอุปกรณ์ภายนอกและอะแดปเตอร์จากคู่มือที่นำมาด้วย

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

ข้อควรระวัง:
ก่อนจะเชื่อมต่อกับอุปกรณ์ภายนอก กรุณาตรวจสอบให้แน่ใจว่าปิดเครื่องอยู่

You can connect the following JVC components to the CD changer jack.

ท่านสามารถเชื่อมต่อส่วนประกอบ JVC ต่อไปนี้เข้ากับช่องเสียบซีดีเชนเจอร์

JVC component	Model name
CD changer (CD-CH)	CH-X1500, etc.

ส่วนประกอบ JVC	ชื่อรุ่น
ซีดีเชนเจอร์ (CD-CH)	CH-X1500 ฯลฯ

You can also connect the following components through the various JVC adapters.

- Connection cords may need to be purchased separately.

เชื่อมต่อกับส่วนประกอบต่อไปนี้ผ่านอะแดปเตอร์แบบต่างๆ ของ JVC ได้เช่นกัน

- อาจต้องซื้อสายเชื่อมต่อต่างหาก

Component	Adapter	Model name
Bluetooth device	Bluetooth adapter	KS-BTA200
iPod	Interface adapter for iPod	KS-PD100
Portable audio player with line output jacks	Line input adapter	KS-U57
Portable audio player with 3.5 mm stereo mini jack	AUX input adapter	KS-U58

ส่วนประกอบ	อะแดปเตอร์	ชื่อรุ่น
อุปกรณ์บลูทูธ	อะแดปเตอร์บลูทูธ	KS-BTA200
iPod	อินเทอร์เฟซอะแดปเตอร์สำหรับ iPod	KS-PD100
เครื่องเล่นเพลงแบบพกพา พร้อมขั้วต่อ Line Output	อะแดปเตอร์ Line Input	KS-U57
เครื่องเล่นเพลงแบบพกพา พร้อมช่องเสียบแบบ 3.5 มม. Stereo Mini	อะแดปเตอร์ AUX Input	KS-U58

When connecting more than one component (maximum: two), it is recommended that you connect the components in series as explained below.

เมื่อเชื่อมต่อส่วนประกอบมากกว่าหนึ่งชิ้น (สูงสุดสองชิ้น) ขอแนะนำให้ท่านเชื่อมต่อส่วนประกอบแบบอนุกรมตามคำอธิบายข้างล่าง

When connecting two components in series / เมื่อเชื่อมต่อส่วนประกอบสองชิ้นแบบอนุกรม

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

iPod เป็นเครื่องหมายการค้าของ Apple Inc. ซึ่งจดทะเบียนการค้าในประเทศสหรัฐอเมริกาและประเทศอื่นๆ

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

*3 ต่อลวดสายดินให้แน่นเข้ากับตัวถังเหล็ก หรือตัวถังรถ—ตรงส่วน ที่ไม่มีสีเคลือบ (หากมีสีเคลือบอยู่ ให้ขูดสีออกก่อน ก่อนต่อลวดสายดิน) หากไม่ปฏิบัติตามคำแนะนำนี้ เครื่องอาจชำรุดหรือเสียหายได้

*4 To use these components, set the external input setting correctly (see page 25 of the INSTRUCTIONS).

*4 ในการใช้ส่วนประกอบเหล่านี้ ให้ตั้งค่าการรับสัญญาณอุปกรณ์ภายนอกให้ถูกต้อง (ดูหน้า 25 คำแนะนำ)