

KENWOOD

KDC-U556BT

CD-RECEIVER

INSTRUCTION MANUAL

JVC KENWOOD Corporation



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How to read this manual

- Operations explained mainly using buttons on the faceplate.
- [XX] indicates the selected items.
- (→ XX) indicates references are available on the stated page number.

BEFORE USE

⚠ 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.
- If a disc error occurs due to condensation on the laser lens, eject the disc and wait for the moisture to evaporate.

Remote control (RC-406):

- 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.

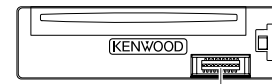
Maintenance

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, being careful not to damage the connector.

Handling discs:

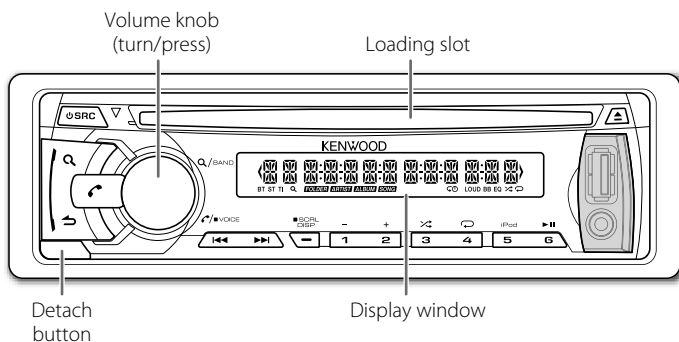
- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use any accessories for the disc.
- Clean from the center of the disc and move outward.
- Clean the disc with a dry silicon or soft cloth. Do not use any solvents.
- When removing discs from this unit, pull them out horizontally.
- Remove burrs from the center hole and disc edge before inserting a disc.



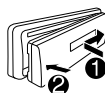
Connector (on the reverse side of the faceplate)

BASICS

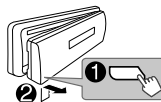
Faceplate



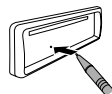
Attach



Detach

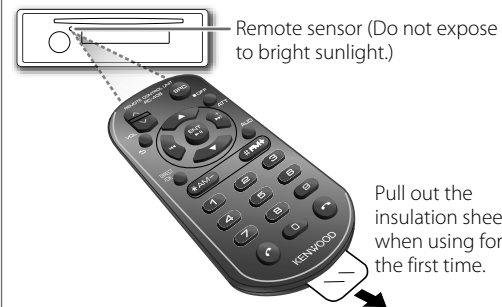


How to reset

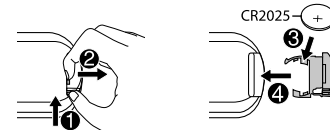


Your preset adjustments will also be erased.

Remote control (RC-406)

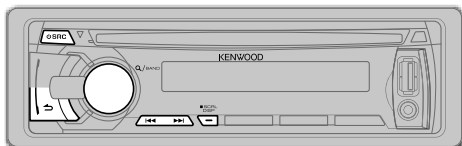


How to replace the battery



To	Do this (on the faceplate)	Do this (on the remote control)
Turn on the power	Press SRC . • Press and hold to turn off the power.	Press and hold SRC to turn off the power. (Pressing SRC does not turn on the power.)
Adjust the volume	Turn the volume knob.	Press VOL \wedge or VOL \vee . Press ATT during playback to attenuate the sound. • Press again to cancel.
Select a source	Press SRC repeatedly.	Press SRC repeatedly.
Change the display information	Press SCRL DISP repeatedly. • Press and hold to scroll the current display information.	(not available)

GETTING STARTED



1 Cancel the demonstration

When you turn on the power (or after you reset the unit), the display shows: "CANCEL DEMO" → "PRESS" → "VOLUME KNOB"

- 1 Press the volume knob.
[YES] is selected for the initial setup.
- 2 Press the volume knob again.
"DEMO OFF" appears.

2 Set the clock

- 1 Press the volume knob to enter [FUNCTION].
- 2 Turn the volume knob to select [SETTINGS], then press the knob.
- 3 Turn the volume knob to select [CLOCK], then press the knob.
- 4 Turn the volume knob to select [CLOCK ADJUST], then press the knob.
- 5 Turn the volume knob to adjust the hour, then press the knob.
- 6 Turn the volume knob to adjust the minute, then press the knob.
Press ◀/▶ to move between the hour and minute adjustment.
- 7 Press and hold ↵ to exit.

(or)

Press and hold **SCRL DISP** to enter clock adjustment mode directly while in clock display screen.
Then, perform steps **5** and **6** above to set the clock.

3 Set the initial settings

- 1 Press **SRC** to enter [STANDBY].
- 2 Press the volume knob to enter [FUNCTION].
- 3 Turn the volume knob to select [INITIAL SET], then press the knob.
- 4 Turn the volume knob to make a selection (see the following table), then press the knob.
- 5 Press and hold ↵ to exit.

• To return to the previous hierarchy, press ↵.

Default: **XX**

PRESET TYPE **NORMAL**: Memorizes one station for each preset button in each band (FM1/ FM2/ FM3/ MW/ SW1/ SW2). ; **MIX**: Memorizes one station for each preset button regardless of the selected band.

KEY BEEP **ON**: Activates the keypress tone. ; **OFF**: Deactivates.

TDF ALARM **ON**: Activates the alarm if you forgot to detach the faceplate when ACC is set to OFF. ; **OFF**: Deactivates.

BUILT-IN AUX **ON**: Enables AUX in source selection. ; **OFF**: Disables. (→ 7)

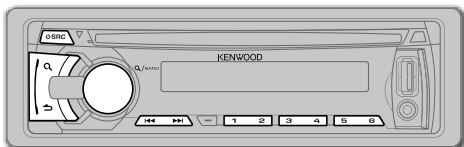
CD READ **1**: Automatically distinguishes between audio file disc and music CD. ; **2**: Forces to play as a music CD. No sound can be heard if an audio file disc is played.

SP SELECT **OFF/ 5/4/ 6 × 9/6/ OEM**: Selects according to the speaker size (5 inches or 4 inches, 6×9 inches or 6 inches) or OEM speakers for optimum performance.

F/W UPDATE

F/W UP xx.xx **YES**: Starts upgrading the firmware. ; **NO**: Cancels (upgrading is not activated).
For details on how to update the firmware, see: www.kenwood.com/cs/ce/

RADIO



Search for a station

- 1 Press **SRC** to select TUNER.
 - 2 Press **Q** repeatedly (or press ***AM-** / **#FM+** on RC-406) to select FM1/ FM2/ FM3/ MW/ SW1/ SW2.
 - 3 Press **◀◀** / **▶▶** (or press **◀◀** / **▶▶** (+) on RC-406) to search for a station.
- **To store a station:** Press and hold one of the number buttons (**1** to **6**).
 - **To select a stored station:** Press one of the number buttons (**1** to **6**) (or press one of the number buttons (**1** to **6**) on RC-406).

Change the frequency steps

You can change the frequency step from 50 kHz to 200 kHz for FM and 9 kHz to 10 kHz for MW.

- 1 Press and hold **SRC** to turn off the power.
 - 2 While pressing number buttons **1** and **5**, press **SRC**.
Release your fingers from the buttons after the display appears.
- To restore the initial setting, repeat the same procedure.
 - When the frequency step is changed, the previously stored stations in the memory are deleted.

Direct Access Tuning (using RC-406)

- 1 Press ***AM-** / **#FM+** to select a band.
 - 2 Press **DIRECT** to enter Direct Access Tuning.
“- - - . -” (for FM), “- - - -” (for MW/ SW1) or “- - - - -” (for SW2) appears on the display.
 - 3 Press the number buttons to enter a frequency.
 - 4 Press **◀◀** / **▶▶** (+) to search for a frequency.
- To cancel, press **↵**.
 - If no operation is done for 10 seconds after step **3**, Direct Access Tuning is automatically canceled.

Other settings

- 1 Press the volume knob to enter **[FUNCTION]**.
- 2 Turn the volume knob to select **[SETTINGS]**, then press the knob.
- 3 Turn the volume knob to make a selection (see the following table), then press the knob.
- 4 Press and hold **↵** to exit.

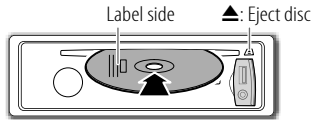
Default: **XX**

LOCAL SEEK	ON: Searches only MW/ SW1/ SW2 stations with good reception. ; OFF: Cancels.
SEEK MODE	Selects the tuning method for the ◀◀ / ▶▶ buttons. AUTO1: Automatically searches for a station. ; AUTO2: Searches for a preset station. ; MANUAL: Manually search for a station.
AUTO MEMORY	YES: Automatically starts memorizing 6 stations with good reception. ; NO: Cancels. (Selectable only if [NORMAL] is selected for [PRESET TYPE] .) (→ 4)
MONO SET	Selectable only when the source is FM. ON: Improves the FM reception, but the stereo effect may be lost. ; OFF: Cancels.

CD / USB / iPod

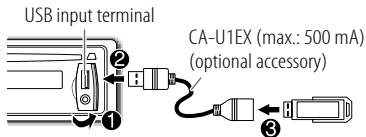
Start playback

CD



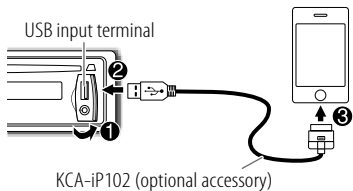
The source changes to CD and playback starts.

USB



The source changes to USB and playback starts.

iPod/iPhone



The source changes to iPod and playback starts.

Press **5 iPod** to select the control mode while in iPod source.

MODE ON: From the iPod*1.

MODE OFF: From the unit.

*1 You can still control play/pause, file selection, fast-forward or reverse files from the unit.

Note:

Pairing request (via Bluetooth) is automatically activated if an iPhone/iPod touch is connected through the USB input terminal. (→ 8, 10)



✓ : Applicable
— : Not applicable

To	Do this	CD	USB	iPod
Pause or resume playback	Press 6 ►► (or ENT ►► on RC-406).	✓	✓	✓
Select a track/file	Press ◀◀ / ▶▶ (or ◀◀ / ▶▶ (+) on RC-406).	✓	✓	✓
Select a folder	Press 1 - / 2 + (or *AM- / #FM+ on RC-406).	✓*2	✓	—
Reverse/Fast-forward	Press and hold ◀◀ / ▶▶ (or ◀◀ / ▶▶ (+) on RC-406).	✓	✓	✓
Select a track/file from a list	<ol style="list-style-type: none"> Press Q. Turn the volume knob to make a selection, then press the knob. <ul style="list-style-type: none"> MP3/WMA file: Select the desired folder, then a file. iPod or KENWOOD Music Editor Light (KME Light)/ KENWOOD Music Control (KMC) file*4: Select the desired file from the list (PLAYLISTS, ARTISTS, ALBUMS, SONGS, PODCASTS*5, GENRES, COMPOSERS*5). <ul style="list-style-type: none"> To return to the root folder (or first file), press number button 5 iPod. To return to the previous hierarchy, press ↶. To cancel, press and hold ↶. 	✓	✓	✓*3
	<ul style="list-style-type: none"> To skip songs at a specific ratio, press ◀◀ / ▶▶. (→ 7) 	—	✓*4	✓*3
Repeat play	<p>Press 4 ↻ repeatedly.</p> <ul style="list-style-type: none"> Audio CD: TRACK REPEAT, REPEAT OFF MP3/WMA file: FILE REPEAT, FOLDER REPEAT, REPEAT OFF iPod or KME Light/ KMC file: FILE REPEAT, REPEAT OFF 	✓	✓	✓*3
Random play	<p>Press 3 ⚡ repeatedly.</p> <ul style="list-style-type: none"> Audio CD: DISC RANDOM, RANDOM OFF MP3/WMA/iPod or KME Light/ KMC file: FOLDER RANDOM, RANDOM OFF <p>Press and hold 3 ⚡ to select "ALL RANDOM."</p>	✓	✓	✓*3
		✓*2	✓	✓*3

*2 Only for MP3/WMA files.

*3 Applicable only when [MODE OFF] is selected.

*4 Only for files registered in the database created with KME Light/ KMC. (→ 13)

*5 Only for iPod.

Direct Music Search (using RC-406)

- 1 Press **DIRECT**.
- 2 Press the number buttons to enter a track/file number.
- 3 Press **◀◀ / ▶▶ (+)** to search for music.
 - To cancel, press **↵**.
 - Not available if Random Play is selected.
 - Not applicable for iPod, KME Light/ KMC file. (→ 13)

Select a song by name

While listening to iPod...

- 1 Press **Q**.
- 2 Turn the volume knob to select a category, then press the knob.
- 3 Press **Q** again.
- 4 Turn the volume knob to select the character to be searched for.
- 5 Press **◀◀ / ▶▶** to move to the entry position. You can enter up to three characters.
- 6 Press the volume knob to start searching.
- 7 Turn the volume knob to make a selection, then press the knob.

Repeat step 7 until the desired item is selected.

 - To search for a character other than A to Z and 0 to 9, enter only ******.
 - To return to the previous hierarchy, press **↵**.
 - To return to the top menu, press number button **5 iPod**.
 - To cancel, press and hold **↵**.

Set the skip ratio

While listening to iPod or KME Light/ KMC file...

- 1 Press the volume knob to enter **[FUNCTION]**.
- 2 Turn the volume knob to select **[SETTINGS]**, then press the knob.
- 3 Turn the volume knob to select **[SKIP SEARCH]**, then press the knob.
- 4 Turn the volume knob to make a selection, then press the knob.

0.5% (default)/ **1%**/ **5%**/ **10%**: Sets the skip ratio when searching for a song.
(Holding **◀◀ / ▶▶** skips songs at 10% regardless of the setting made.)
- 5 Press and hold **↵** to exit.

Muting upon the reception of a phone call

Connect the MUTE wire to your telephone using a commercial telephone accessory. (→ 17)

When a call comes in, "CALL" appears.

- The audio system pauses.
- To continue listening to the audio system during a call, press **⏻ SRC**. "CALL" disappears and the audio system resumes.

When the call ends, "CALL" disappears.

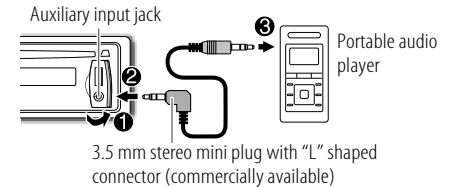
- The audio system resumes.

Preparation:

Select **[ON]** for **[BUILT-IN AUX]**. (→ 4)

Start listening

- 1 Connect a portable audio player (commercially available).



- 2 Press **⏻ SRC** to select AUX.
- 3 Turn on the portable audio player and start playback.

Set the AUX name

While listening to AUX...

- 1 Press the volume knob to enter **[FUNCTION]**.
- 2 Turn the volume knob to select **[SETTINGS]**, then press the knob.
- 3 Turn the volume knob to select **[AUX NAME SET]**, then press the knob.
- 4 Turn the volume knob to make a selection, then press the knob.

AUX (default)/ **DVD**/ **PORTABLE**/ **GAME**/ **VIDEO**/ **TV**
- 5 Press and hold **↵** to exit.

BLUETOOTH®

You can operate Bluetooth devices using this unit.

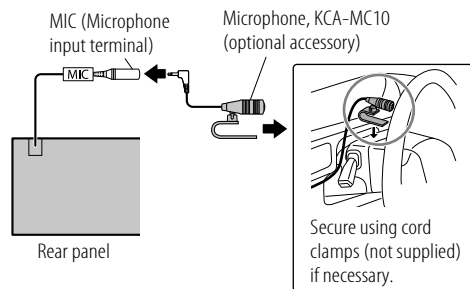
You can either use the built-in microphone located on the faceplate or connect the external microphone.

- For microphone selection, (→ 10, MIC SELECT)

Built-in microphone position



Connect the microphone



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

Supported Bluetooth profiles

- Hands-Free Profile (HFP)
- Serial Port Profile (SPP)
- Phonebook Access Profile (PBAP)
- Object Push Profile (OPP)
- Advanced Audio Distribution Profile (A2DP)
- Audio/Video Remote Control Profile (AVRCP)

Pair a Bluetooth device

When connecting a Bluetooth device to the unit for the first time, perform pairing between the unit and the device. Once the pairing is completed, the Bluetooth device will remain registered in the unit even if you reset the unit.

- Up to five devices can be registered (paired) in total.
- A maximum of two Bluetooth phones and one Bluetooth audio device can be connected at any time.
- This unit supports Secure Simple Pairing (SSP).
- Some Bluetooth devices may not automatically 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.

1 Press **⏻ SRC** to turn on the unit.

2 Search and select this unit model name (KDC-U5**BT) on the Bluetooth device.

"PAIRING" → "PASS XXXXXX" → Device name → "PRESS" → "VOLUME KNOB" scrolls on the display.

3 Press the volume knob to start pairing.

"PAIRING OK" appears when pairing is completed and "BT" will light up when the Bluetooth connection is established.

- For some Bluetooth devices, you may need to enter the Personal Identification Number (PIN) code immediately after searching.
- Pairing request (via Bluetooth) is automatically activated if an iPhone/iPod touch is connected through the USB input terminal. (Applicable only if **[AUTO PAIRING]** is set to **[ON]**.) (→ 10)
Press the volume knob to pair once you have confirm the passcode.

Bluetooth test mode

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

1 Press **⏻** to enter Bluetooth mode.

2 Turn the volume knob to select **[BT TEST MODE]**, then press the knob.

"PLEASE PAIR YOUR PHONE" appears.

3 Search and select this unit model name (KDC-U5**BT) on the Bluetooth device.

4 Press the volume knob to start pairing and begin the test mode.

"PAIRING" flashes on the display.

The connectivity result (OK or NG) appears after the test.

PAIRING : Pairing status











HF CNT: Hands-Free Profile (HFP) compatibility

AUD CNT: Advanced Audio Distribution Profile (A2DP) compatibility

PB DL: Phonebook Access profile (PBAP) compatibility

- To cancel, press **⏻**.

Bluetooth mobile phone




To	Do this
Receive a call	<p>Press  or the volume knob or one of the number buttons (1 to 6) (or  on RC-406).</p> <ul style="list-style-type: none"> The  button illuminates and flashes in green when there is an incoming call. During a call, the button illuminates in red. When [AUTO ANSWER] is set to the selected time, the unit answers incoming call automatically. (→ 10)
Reject an incoming call	Press  SRC (or  on RC-406).
End a call	Press  or  SRC (or  on RC-406).
Switch between hands-free and private talk modes	<p>Press 6 ► during a call.</p> <ul style="list-style-type: none"> Operations may vary according to the connected Bluetooth device.
Adjust the phone volume	<p>Turn the volume knob during a call.</p> <p>Phone volume: [00] to [35] (Default: [15])</p> <ul style="list-style-type: none"> This adjustment will not affect the volume of the other sources.
Switch between two connected phones	<p>1 Press  to enter Bluetooth mode.</p> <p>2 Press and hold  to switch between the two connected phones ([MAIN]/ [SUB]).</p>

Text message notification


When the phone receives a text message, the unit rings and “SMS RECEIVE” or “NEW SMS” appears.

- You cannot read, edit, or send a message through the unit.
- To clear the message, press any button.

Bluetooth mode operations

- Press  to enter Bluetooth mode.
 - Turn the volume knob to make a selection (see the following table), then press the knob.
 - Repeat step **2** until the desired item is selected.
- To return to the previous hierarchy, press .
 - To cancel, press .



PHONE BOOK

- Turn the volume knob to select a name, then press the knob.
- Turn the volume knob to select a phone number, then press the knob to call.
 - To return to the previous hierarchy, press .
 - If the phone supports PBAP, the phonebook of the connected phone is automatically transferred to the unit when pairing. If the phone does not support PBAP, “NO DATA” appears. Transfer the phonebook manually. (→ **10, TRANSFER PB**)
 - Contacts are categorized as: GE (general), HM (home), OF (office), MO (mobile), OT (others).
 - This unit can display only non-accent letters. (Accent letters such as “Ü” is shown as “U”.)
 - If the phonebook contains many contacts, use Alphabet Search. (→ **10**)


CALL HISTORY

- Turn the volume knob to select a name or a phone number.
 - “I” indicates call received, “O” indicates call made, “M” indicates call missed.
 - Press **SCRL DISP** to change the display information (name or phone number).
 - “NO DATA” appears if there is no recorded call history.
- Press the volume knob to call.

NUMBER DIAL

- Turn the volume knob to select a number (0 to 9) or character (*, #, +).
- Press  /  to move the entry position.
 - Repeat steps **1** and **2** until you finish entering the phone number.
- Press the volume knob to call.

(or using RC-406)

- Press the number buttons (**0 to 9**) to enter the phone number.
- Press  to call.

DVC PRIORITY

MAIN-XXX/ SUB-XXX: To view which device is connected as **MAIN** and which is connected as **SUB**.

Default: **XX**

SETTINGS

PAIRING	PHONE SELECT	: Select the phone or audio device to connect or disconnect.
	AUDIO SELECT	
	DEVICE DELETE	<ol style="list-style-type: none"> 1 Turn the volume knob to select a device to delete, then press the knob. 2 Turn the volume knob to select [YES] or [NO], then press the knob.
TRANSFER PB* : "DL PB ***" appears and transfer the phonebook of the connected phone to this unit manually.		
DETAILED SET	PIN CODE EDIT (0000)	<p>Changes the PIN code (up to 8 digits).</p> <ol style="list-style-type: none"> 1 Turn the volume knob to select a number. 2 Press ◀◀ / ▶▶ to move the entry position. Repeat steps 1 and 2 until you finish entering the PIN code. 3 Press the volume knob to confirm.
	AUTO ANSWER	1 — 99 (8) : The unit answers incoming calls automatically in the selected time. ; OFF : Cancels.
	RECONNECT	ON : The unit automatically reconnect when the Bluetooth device is within range. ; OFF : Cancels.
	AUTO PAIRING	ON : The unit automatically pair supported Bluetooth device (iPhone/iPod touch) when it is connected through USB input terminal. Depending on the iOS version of the connected iPhone/iPod touch, this function may not work. ; OFF : Cancels.
	BT HF/AUDIO	FRONT : Outputs audio from the front left and right speakers. ; ALL : Outputs audio from all the speakers.
	CALL BEEP	ON : The unit beeps when there is an incoming call. ; OFF : Cancels.
	BT F/W UPDATE	BT F/W XX.XX : YES : Updates all the Bluetooth settings (including stored pairing, phonebook, and etc.). ; NO : Cancels.
	MIC GAIN	-20 — +8 (0) : The sensitivity of the microphone increases as the number increased.
	ECHO LEVEL	1 — 10 (4) : Adjust the echo cancellation delay time until the least echo is being heard during a phone conversation.
	MICSELECT	IN : Use the built-in microphone. (→ 8) ; EXT : Use the external microphone.

* Selectable only when the connected phone supports OPP.


Alphabet Search

You can search through the contacts quickly according to the first letter (A to Z), number (0 to 9), or symbol.

- The second alphabet of the contact will be searched if the first alphabet does not exist.


- 1** Press **↻** to enter Bluetooth mode.
- 2** Turn the volume knob to select **[PHONE BOOK]**, then press the knob.
- 3** Press **Q** to enter alphabet search mode.
The first menu (ABCDEFGHIJK) appears. To go to the other menu (LMNOPQRSTUVWXYZ), press **◀◀ / ▶▶**.
- 4** Turn the volume knob to select the desired first letter, then press the knob.
 - To search with numbers, select "1".
 - To search with symbols, select "*".
- 5** Turn the volume knob to select a name, then press the knob.
- 6** Turn the volume knob to select a phone number, then press the knob to call.
 - To return to the previous hierarchy, press **↶**.
 - Contacts are categorized as: GE (general), HM (home), OF (office), MO (mobile), OT (others).
 - This unit can display only non-accent letters. (Accent letters such as "Ů" is shown as "U").

Use Voice Recognition



- 1 Press and hold .
 - 2 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. Refer to the instruction manual of the connected phone for details.
 - This unit also supports the intelligent personal assistant function of iPhone.

Store a contact in memory

You can store up to 6 contacts.















- 1 Press  to enter Bluetooth mode.
 - 2 Turn the volume knob to select [PHONE BOOK], [HISTORY], or [NUMBER DIAL], then press the knob.
 - 3 Turn the volume knob to select a contact or enter a phone number.
 - 4 Press and hold one of the number buttons (1 to 6).
"STORED" appears when the contact is stored.
- To erase a contact from the preset memory, select [NUMBER DIAL] in step 2 and store a blank number.

Make a call from memory

- 1 Press  to enter Bluetooth mode.
- 2 Press one of the number buttons (1 to 6).
- 3 Press  or the volume knob to call.
"NO MEMORY" appears if there are no contacts stored.

Bluetooth audio player

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

To	Do this
Playback	<ol style="list-style-type: none"> 1 Press  SRC (or SRC on RC-406) to select BT AUDIO. 2 Operate the Bluetooth audio player to start playback.
Pause or resume playback	Press 6  (or ENT  on RC-406).
Select group or folder	Press 1 - / 2 + (or *AM- / #FM+ on RC-406).
Reverse/forward skip	Press  /  (or  /  (+) on RC-406).
Reverse/fast-forward	Press and hold  /  (or  /  (+) on RC-406).
Repeat play	Press 4  repeatedly to make a selection. FILE REPEAT, ALL REPEAT, REPEAT OFF
Random play	Press 3  repeatedly to make a selection. FOLDER RANDOM, RANDOM OFF Press and hold 3  to select "ALL RANDOM."

AUDIO SETTINGS

While listening to any source...

- 1 Press the volume knob to enter [FUNCTION].
- 2 Turn the volume knob to select [AUDIO CONTROL], then press the knob.
- 3 Turn the volume knob to make a selection (see the following table), then press the knob.
Repeat step 3 until the desired item is selected or activated.
- 4 Press and hold **↩** to exit.

(or using RC-406)

- 1 Press **AUD** to enter [AUDIO CONTROL].
- 2 Press **▲/▼** to make a selection, then press **ENT ► II**.

- To return to the previous hierarchy, press **↩**.

Default: **XX**

SUB-W LEVEL	-15 to +15 (0)	Adjusts the subwoofer output level.
BASS LEVEL	-8 to +8 (+8)	Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.)
MID LEVEL	-8 to +8 (+2)	
TRE LEVEL	-8 to +8 (+3)	

EQ PRO

BASS ADJUST	BASS CTR FRQ	60/ 80/ 100/ 200 : Selects the center frequency.
	BASS LEVEL	-8 to +8 (+8) : Adjusts the level.
	BASS Q FACTOR	1.00/ 1.25/ 1.50/ 2.00 : Adjusts the quality factor.
	BASS EXTEND	ON : Turns on the extended bass. ; OFF : Cancels.
MID ADJUST	MID CTR FRQ	0.5K/ 1.0K/ 1.5K/ 2.5K : Selects the center frequency.
	MID LEVEL	-8 to +8 (+2) : Adjusts the level.
	MID Q FACTOR	0.75/ 1.00/ 1.25 : Adjusts the quality factor.
TRE ADJUST	TRE CTR FRQ	10.0K/ 12.5K/ 15.0K/ 17.5K : Selects the center frequency.
	TRE LEVEL	-8 to +8 (+3) : Adjusts the level.

PRESET EQ	NATURAL/ USER/ ROCK/ POPS/ EASY/ TOP40/ JAZZ/ POWERFUL : Selects a preset equalizer suitable to the music genre. (Select [USER] to use the customized bass, middle, and treble settings.)
BASS BOOST	B.BOOST LV1/ B.BOOST LV2/ B.BOOST LV3 : Selects your preferred bass boost level. ; OFF : Cancels.
LOUDNESS	LOUDNESS LV1/ LOUDNESS LV2 : Selects your preferred low and high frequencies boost to produce a well-balanced sound at a low volume level. ; OFF : Cancels.
BALANCE	L15 to R15 (0) : Adjusts the left and right speaker output balance.
FADER	R15 to F15 (0) : Adjusts the rear and front speaker output balance.
SUBWOOFER SET	ON : Turns on the subwoofer output. ; OFF : Cancels.

DETAILED SET

HPF	THROUGH : All signals are sent to the speakers. ; 100HZ/ 120HZ/ 150HZ : Audio signals with frequencies higher than 100 Hz/ 120 Hz/ 150 Hz are sent to the speakers.
LPF SUBWOOFER	THROUGH : All signals are sent to the subwoofer. ; 85HZ/ 120HZ/ 160HZ : Audio signals with frequencies lower than 85 Hz/ 120 Hz/ 160 Hz are sent to the subwoofer.
SUB-W PHASE	REVERSE (180°)/ NORMAL (0°) : Selects the phase of the subwoofer output to be in line with the speaker output for optimum performance. (Selectable only if a setting other than [THROUGH] is selected for [LPF SUBWOOFER].)
SUPREME SET	ON : Creates realistic sound by interpolating the high-frequency components that are lost in MP3/WMA audio compression. ; OFF : Cancels. (Selectable only when playing back an MP3/WMA disc or a USB device, except iPhone/iPod.)
VOLUME OFFSET (Default: 0)	-8 to +8 (for AUX) ; -8 to 0 (for other sources): Presets the volume adjustment level of each source. (Before adjustment, select the source you want to adjust.)

DISPLAY SETTINGS

- 1 Press the volume knob to enter [FUNCTION].
 - 2 Turn the volume knob to select [SETTINGS], then press the knob.
 - 3 Turn the volume knob to make a selection (see the following table), then press the knob.
Repeat step 3 until the desired item is selected or activated.
 - 4 Press and hold ↵ to exit.
- To return to the previous hierarchy, press ↵.

Default: **XX**

DISP & KEY	
COLOR SELECT	VARIABLE SCAN/ COLOR 01 — COLOR 24/ USER : Selects your preferred key illumination color. You can create your own color (when [COLOR 01] — [COLOR 24] or [USER] is selected). The color you have created can be selected when you select [USER]. <ol style="list-style-type: none">1 Press and hold the volume knob to enter the detailed color adjustment.2 Press ◀◀ / ▶▶ to select the color (R/ G/ B) to adjust.3 Turn the volume knob to adjust the level (0 — 9), then press the knob.
DISP DIMMER	ON : Dims the display illumination. ; OFF : Cancels.
TEXT SCROLL	AUTO/ ONCE : Selects whether to scroll the display information automatically, or scroll only once. ; OFF : Cancels.
KEY DIMMER	DIMMER LV1 : Dims the key illumination. ; DIMMER LV2 : Dims the key illumination darker than DIMMER LV1 . ; DIMMER OFF : Cancels.
BT DVC STATUS	HF-CON 1/2/ 1 : Shows the connection status of the Bluetooth device. ; NO : No connection. AD-CON YES : An Bluetooth audio is connected. ; NO : No information. BATT FULL/ MID/ LOW : Shows the battery level of the Bluetooth device. ; --- : No connection. SIGNAL MAX/ MID/ LOW/ NO SIGNAL : Shows the signal strength of the Bluetooth device. ; --- : No information.

MORE INFORMATION

General

- This unit can only play the following CDs:



- Detailed information and notes about the playable audio files are stated in an online manual on the following site:
www.kenwood.com/cs/ce/audiofile/

Playable files

- Playable Audio file: MP3 (.mp3), WMA (.wma)
- Playable disc media: CD-R/RW/ROM
- Playable disc file formats: ISO 9660 Level 1/2, Joliet, Romeo, Long file name.
- Playable USB device file system: FAT16, FAT32
Although the audio files are complied with the standards listed above, playback maybe impossible depending on the types or conditions of media or device.

Unplayable discs

- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- Recordable/ReWritable discs that have not been finalized.
- 8 cm CD. Attempting to insert using an adapter may cause malfunction.

About USB devices

- This unit can play MP3/WMA files stored on a USB mass storage class device.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Connecting a cable whose total length is longer than 5 m may result in abnormal playback.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 1 A.

About iPod/iPhone

Made for

- iPod touch (1st, 2nd, 3rd, and 4th generation)
 - iPod classic
 - iPod with video
 - iPod nano (1st, 2nd, 3rd, 4th, 5th, and 6th generation)
 - iPhone, iPhone 3G, 3GS, 4, 4S
- For the latest compatible list and software versions of iPhone/iPod, see: www.kenwood.com/cs/ce/ipod
- If you start playback after connecting the iPod, the music that has been played by the iPod is played first.
- In this case, "RESUMING" is displayed without displaying a folder name, etc. Changing the browse item will display the correct title, etc.
- You cannot operate iPod if "KENWOOD" or "✓" is displayed on iPod.


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 website: www.kenwood.com/cs/ce/

About KENWOOD Music Editor Light and KENWOOD Music Control

- This unit supports the PC application KENWOOD Music Editor Light and Android™ application KENWOOD Music Control.
- When you play audio files with song data added using the KENWOOD Music Editor Light or KENWOOD Music Control, you can search for audio files by Genres, Artists, Albums, Playlists, and Songs.
- KENWOOD Music Editor Light and KENWOOD Music Control are available from the following web site:
www.kenwood.com/cs/ce/

TROUBLESHOOTING

Symptom	Remedy
Sound cannot be heard.	<ul style="list-style-type: none"> Adjust the volume to the optimum level. Check the cords and connections.
“PROTECT” appears and no operations can be done.	Check to be sure the terminals of the speaker wires are insulated properly, then reset the unit. If this does not solve the problem, consult your nearest service center.
<ul style="list-style-type: none"> Sound cannot be heard. The unit does not turn on. Information shown on the display is incorrect. 	Clean the connectors. (→ 2)
The unit does not work at all.	Reset the unit. (→ 3)
<ul style="list-style-type: none"> Radio reception is poor. Static noise while listening to the radio. 	<ul style="list-style-type: none"> Connect the antenna firmly. Pull the antenna out all the way.
“NA FILE” appears.	Make sure the media contains supported audio files. (→ 13)
“NO DISC” appears.	Insert a playable disc into the loading slot.
“TOC ERROR” appears.	Make sure the disc is clean and inserted properly.
“PLEASE EJECT” appears.	Reset the unit. If this does not solve the problem, consult your nearest service center.
Disc cannot be ejected.	Press and hold  to forcibly eject the disc. Be careful not to drop the disc when it is ejected. If this does not solve the problem, reset the unit. (→ 3)
“READ ERROR” appears.	Copy the files and folders onto the USB device again. If this does not solve the problem, reset the USB device or use another USB device.
“NO DEVICE” appears.	Connect a USB device, and change the source to USB again.
“COPY PRO” appears.	A copy-protected file is played.
“NO MUSIC” appears.	Connect a USB device that contains playable audio files.
“NA DEVICE” appears.	Connect a supported USB device, and check the connections.
“USB ERROR” appears.	<ul style="list-style-type: none"> Remove the USB device, turn the unit off, then turn it on again. Try to connect another USB device.
“iPod ERROR” appears.	<ul style="list-style-type: none"> Reconnect the iPod. Reset the iPod.
Noise is generated.	Skip to another track or change the disc.
Tracks do not play back as you have intended them to play.	Playback order is determined when files are recorded.

Symptom	Remedy	
“READING” keeps flashing.	Do not use too many hierarchical levels or folders.	
Elapsed playing time is not correct.	This is caused by how the tracks are recorded.	
The number of songs contained in the “SONGS” category of this unit is different from the iPod/iPhone.	Podcast files are not counted on this unit as this unit does not support the playback of podcast files.	
Correct characters are not displayed (e.g. album name).	This unit can only display uppercase letters, numbers, and a limited number of symbols.	
Bluetooth®	No Bluetooth device is detected.	<ul style="list-style-type: none"> Search from the Bluetooth device again. Reset the unit. (→ 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.
	“DEVICE FULL” appears.	The number of registered devices has reached its limit. Retry after deleting an unnecessary device.
	Echo or noise occurs.	Check the [ECHO LEVEL] setting. (→ 10)
	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.
	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. Make sure the same voice as the registered voice tag is used.
	“NOT SUPPORT” appears.	The connected phone does not support Voice Recognition feature.
	“ERROR” appears.	Try the operation again. If “ERROR” appears again, check if the device supports the function you have tried.
	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.
“HF ERROR” appears.	Reset the unit and try the operation again. If this does not solve the problem, consult your nearest service center.	

SPECIFICATIONS

Tuner	FM	Frequency Range	87.9 MHz to 107.9 MHz (200 kHz space) 87.5 MHz to 108.0 MHz (50 kHz space)
		Usable Sensitivity (S/N = 26 dB)	11.2 dBf (1.0 μV/75 Ω)
	Quieting Sensitivity (DIN S/N = 46 dB)	19.2 dBf (2.5 μV/75 Ω)	
	Frequency Response (±3 dB)	30 Hz to 15 kHz	
	Signal-to-Noise Ratio (MONO)	63 dB	
	Stereo Separation (1 kHz)	40 dB	
	AM	Frequency Range	Band 1 (MW) 530 kHz to 1 700 kHz (10 kHz space) 531 kHz to 1 611 kHz (9 kHz space)
			Band 2 (SW1) 2 940 kHz to 7 335 kHz (5 kHz space) Band 3 (SW2) 9 500 kHz to 10 135 kHz/ 11 580 kHz to 18 135 kHz (5 kHz space)
	Usable Sensitivity (S/N = 20 dB)	MW: 31 dBμ (36 μV) SW: 32 dBμ (40 μV)	

CD player	Laser Diode	GaAlAs
	Digital Filter (D/A)	8 times over sampling
	D/A Converter	24 Bit
	Spindle Speed	500 rpm to 200 rpm (CLV)
	Wow & Flutter	Below measurable limit
	Frequency Response (±1 dB)	20 Hz to 20 kHz
	Total Harmonic Distortion (1 kHz)	0.01 %
	Signal-to-Noise Ratio (1 kHz)	105 dB
	Dynamic Range	90 dB
	MP3 Decode	Compliant with MPEG-1/2 Audio Layer-3
WMA Decode	Compliant with Windows Media Audio	

USB	USB Standard	USB 1.1, USB 2.0 (Full speed)
	Maximum Supply Current	DC 5 V \leq 1 A
	File System	FAT16/ 32
	MP3 Decode	Compliant with MPEG-1/2 Audio Layer-3
	WMA Decode	Compliant with Windows Media Audio

Bluetooth	Version	Bluetooth Ver.2.1+EDR Certified	
	Frequency Range	2.402 GHz to 2.480 GHz	
	Output Power	+4 dBm (MAX), 0 dBm (AVE) Power Class	
	Maximum Communication Range	Line of sight approx. 10 m	
	Profile	HFP (Hands-Free Profile)	
		SPP (Serial Port Profile)	
PBAP (Phonebook Access Profile)			
OPP (Object Push Profile)			
A2DP (Advanced Audio Distribution Profile)			
AVRCP (Audio/Video Remote Control Profile)			

Audio	Maximum Output Power	50 W × 4	
	Full Bandwidth Power	22 W × 4 (at less than 1 % THD)	
	Speaker Impedance	4 Ω to 8 Ω	
	Tone Action	Bass	100 Hz ±8 dB
		Middle	1 kHz ±8 dB
		Treble	12.5 kHz ±8 dB
Preout Level / Load (CD)	2 500 mV/10 kΩ		
Preout Impedance	≤ 600 Ω		

Auxiliary	Frequency Response (±3 dB)	20 Hz to 20 kHz
	Input Maximum Voltage	1 200 mV
	Input Impedance	10 kΩ

General	Operating Voltage	14.4 V (10.5 V to 16 V allowable)
	Maximum Current Consumption	10 A
	Installation Size (W × H × D)	182 mm × 53 mm × 160 mm
	Weight	1.3 kg

Subject to change without notice.

⚠ 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 Battery wire (yellow) and Ignition wire (red) to the car chassis or Ground wire (black) to prevent a short circuit.
- Insulate unconnected wires with vinyl tape to prevent a short circuit.
- Be sure to ground this unit to the car's chassis again after installation.

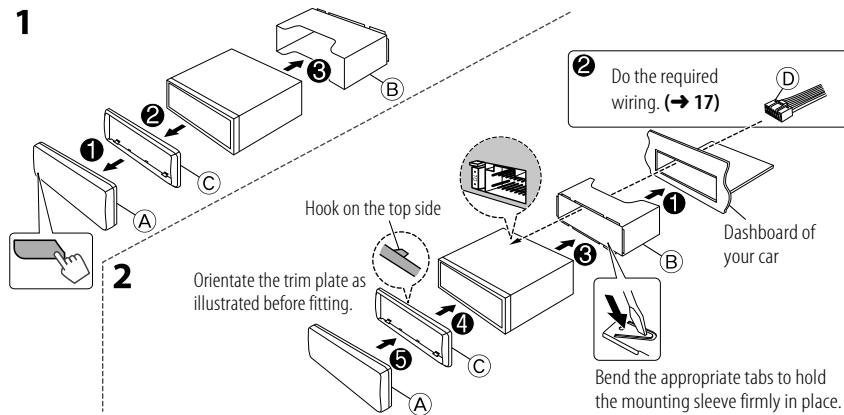
⚠ Caution

- 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 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.
- Mount the unit with the 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. on 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.

Basic procedure

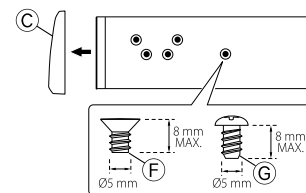
- 1 Remove the key from the ignition switch, then disconnect the \ominus terminal of the car battery.
- 2 Connect the wires properly.
See Wiring connection. (→ 17)
- 3 Install the unit to your car.
See Installing the unit (in-dash mounting).
- 4 Connect the \ominus terminal of the car battery.
- 5 Reset the unit. (→ 3)

Installing the unit (in-dash mounting)



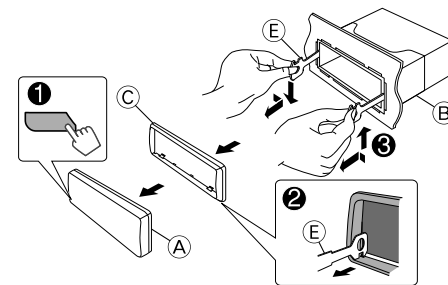
When installing without the mounting sleeve

- 1 Remove the mounting sleeve and trim plate from the unit.
- 2 Align the holes in the unit (on both sides) with the vehicle mounting bracket and secure the unit with the supplied screws.

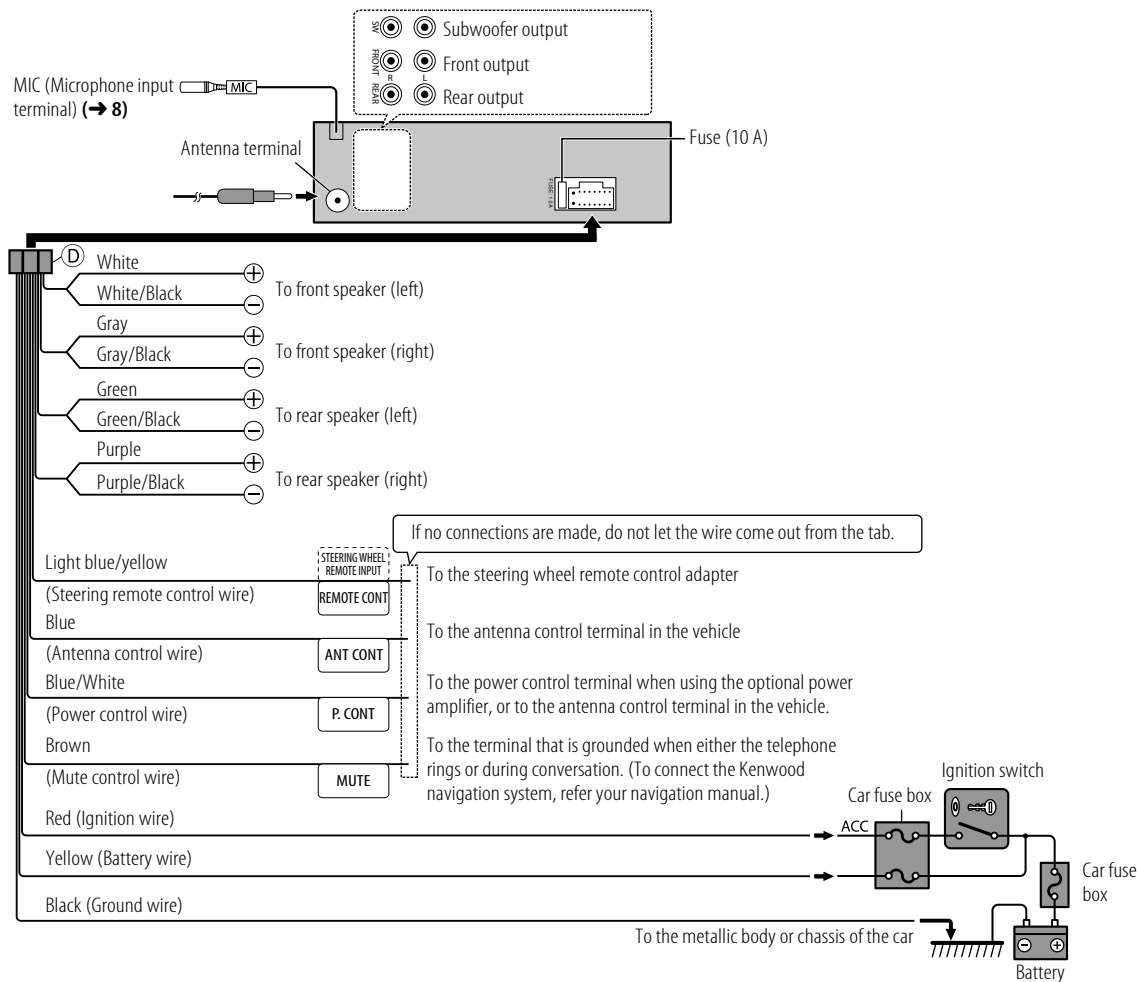


How to remove the unit

- 1 Detach the faceplate.
- 2 Fit the catch pin on the extraction keys into the holes on both sides of the trim plate, then pull it out.
- 3 Insert the extraction keys deeply into the slots on each side, then follow the arrows as shown on the right.




Wiring connection



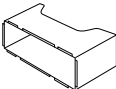
Part list for installation

- Ⓐ Faceplate




(×1)

- Ⓑ Mounting sleeve



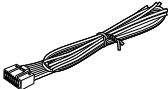
(×1)

- Ⓒ Trim plate




(×1)

- Ⓓ Wiring harness




(×1)

- Ⓔ Extraction key




(×2)

- Ⓕ Flat head screw




(×4)

- Ⓖ Round head screw



(×4)



**CLASS 1
LASER PRODUCT**

The marking of products using lasers

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

- “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.
- Android is trademark of Google Inc.
- 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.