KENWOOD

KDC-BT47SD

CD-RECEIVER
INSTRUCTION MANUAL

JVC KENWOOD Corporation

Before reading this manual, click the button below to check the latest edition and the modified pages.
http://manual.kenwood.com/edition/im349/

Designed for Windows Media™

Bluetooth®

SDHC™

Made for
iPod iPhone

CONTENTS

12eAIO_IM349_Ref_E_en_00

Safety

⚠️**WARNING**

Stop the car before operating the unit.

Important to know...

■ To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.

■ **Caution:** Adjust the volume so that you can hear the sound outside the car. Driving with the volume adjusted to a too high level may cause an accident.

■ **Condensation:** When the car is air-conditioned, moisture may collect on the laser lens. This may cause disc read errors. In this case, remove the disc and wait for the moisture to evaporate.

■ The illustrations in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the illustrations may differ from what appears on the actual equipment.

■ If you experience problems during installation, consult your Kenwood dealer.

■ When you purchase external components, check with your Kenwood dealer to make sure that they work with your model and in your area.

Maintenance

Cleaning the unit: Wipe off the dirt on the panel with a dry silicon or soft cloth. Failure to observe this precaution may result in damage to the monitor or unit.
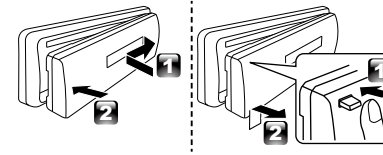
Cleaning the connector: The unit may not function properly if the connectors between the unit and faceplate are dirty. Detach the faceplate and clean the connector with a cotton swab gently, being careful not to damage the connector.


Connector (on the reverse side of the faceplate)

Preparation

How to attach/detach the faceplate

■ Do not expose the faceplate to direct sunlight, excessive heat, or humidity. Also avoid places with too much dust or the possibility of water splashing.

■ Keep the faceplate in its casing while detached.

■ The faceplate is a precision component of the unit and can be damaged by shocks or jolts.

■ To prevent deterioration, do not touch the terminals of the unit and faceplate with your fingers.

How to reset your unit
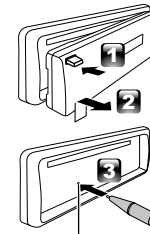
If this unit fails to operate properly, press the reset button.
The unit returns to the factory settings when the reset button is pressed.

Reset button

Remote controller

KDC-BT47SD can also be remotely controlled with an optionally purchased remote controller.

■ The "AAC" logo is a trademark of Dolby Laboratories.

■ SDHC Logo is a trademark of SD-3C, LLC.

■ The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by JVC KENWOOD Corporation is under license. Other trademarks and trade names are those of their respective owners.

■ "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, or iPhone may affect wireless performance.

■ iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

■ "Adobe Reader" is a trademark of Adobe Systems Incorporated.

Basic Operations

Loading slot

Ejects the disc

Volume knob

Display window
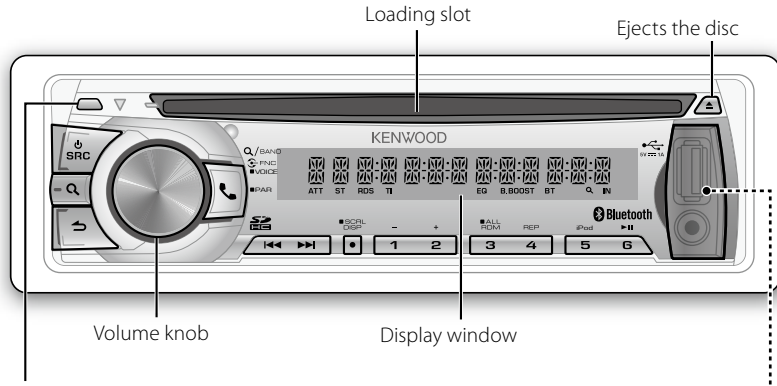
Detaches the faceplate

The following indicator lights up when...
ST: A stereo broadcast is received.
RDS: Radio Data System service is available.
TI: Traffic Information function is turned on.
IN: A disc is in the unit.
ATT: The sound attenuates.
EQ: [PRESET EQ] is set to an EQ mode other
    than **[NATURAL]**. (page 28)
B.BOOST: [BASS BOOST] is set to **[LV1]**,
        [LV2] or **[LV3]**. (page 28)
: Indicates that the Music Search mode is
    selected now.
BT: Bluetooth cell-phone connection status.
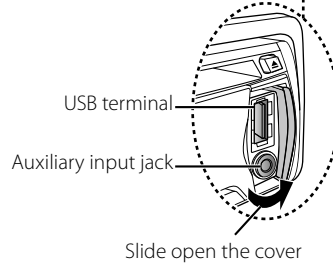
USB terminal

Auxiliary input jack

Slide open the cover

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

Main unit	General operation
⏻ **SRC**	■ Turns on. ■ Turns off if pressed and held. ■ Selects the available sources (TUNER, BT AUDIO, USB or iPod, SD, CD, AUX, STANDBY), if the power is turned on. • *If the source is ready, playback also starts.* • *"iPod", "SD" and "CD" are selectable only when an iPod is connected, an SD card is inserted or a disc is loaded.*
Volume knob (turn)	■ Adjusts the volume level. ■ Selects items.
Volume knob (press)	■ Confirms selection. ■ Enters **[FUNCTION]** settings. ■ Start voice recognize of cell-phone if pressed and held.
🔍	■ Selects the FM bands (FM1/ FM2/ FM3) or MW/ LW when "TUNER" is selected as the source. ■ Enters Music Search mode.
1 (−)/ 2 (+)	■ Selects the previous/ next folder.
6 (►II)	Pauses/resumes playback of a disc/ USB device/ SD/ iPod/ Bluetooth Audio.
⏮ / ⏭	■ Searches for radio station. ■ Selects track/file. ■ Fast-forwards/fast-backwards tracks/files if pressed and held.
SCRL DISP	■ Changes the display information. ■ Scrolls the display information if pressed and held. ■ Enters clock adjustment mode directly if pressed and held while in clock display screen. (page 6)
📞	■ Enters Bluetooth mode. (page 18) ■ Press to answer an incoming call. ■ Enters Bluetooth easy pairing mode if pressed and held. (page 16)
↩	■ Returns to the previous item. ■ Exit from setting mode. • *Press and hold ↩ on the main unit will also exit from the setting mode.*

Getting Started

Canceling the display demonstration

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

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 as the initial setup.
2 Press the volume knob again to confirm.
   [DEMO OFF] appears.

■ If no operation is done for about 15 seconds or if you turn the volume knob to select [NO] in step 2, [DEMO MODE] appears and the display demonstration starts.

Setting the demonstration mode

1 Press the volume knob to enter [FUNCTION].
2 Turn the volume knob to select [DEMO MODE], then press to enter.
3 Turn the volume knob to select [ON] or [OFF].
   If [ON] is selected, display demonstration starts if no operation is done for about 20 seconds.
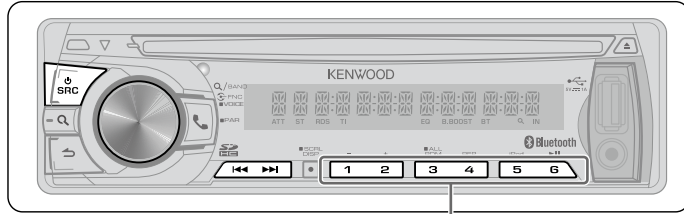4 Hold ⤴ to finish the procedure.

Adjusting the clock

1 Press the volume knob to enter [FUNCTION] mode.
2 Turn the volume knob to select [SETTINGS], then press to enter.
3 Turn the volume knob to select [CLOCK], then press to enter.
4 Turn the volume knob to select [CLOCK ADJUST], then press to enter.
   Clock hour flashes on the display.
5 Turn the volume knob to adjust the hour, then press to enter minute adjustment.
   Clock minutes flashes on the display.
6 Turn the volume knob to adjust the minute, then press to confirm.
   Press |◄◄ / ►►| to move between the hour and minute adjustment.
7 Hold ⤴ to finish the procedure.

Initial settings before operations

1 Press ⏻ SRC to enter [STANDBY] mode.
2 Press the volume knob to enter [FUNCTION] mode.
3 Turn the volume knob to select [INITIAL SET], then press to enter.
4 Turn the volume knob to make a selection, then press to confirm.
   See table below for selection.
5 Hold ⤴ to finish the procedure.

Item	Selectable setting (Preset: *)
PRESET TYPE	NORMAL *: Memorizes one station for each preset button in each band (FM1/ FM2/ FM3/ MW/ LW). ; MIX: Memorizes one station for each preset button regardless of the selected band (FM1/ FM2/ FM3/ MW/ LW).
KEY BEEP	ON */ OFF: Activates/deactivates the keypress tone.
RUSSIAN SET	ON: Displayed in Russian (if applicable). (Folder name/ file name/ song title/ artist name/ album name/ SMS user message) ; OFF *: Cancels.
P-OFF WAIT	Sets the duration when the unit will automatically turns off (while in standby mode) to save the battery. ––– : Cancels ; 20M *: 20 minutes ; 40M: 40 minutes ; 60M: 60 minutes
BUILT-IN AUX	ON *: Enables "AUX" in source selection. Sound of the connected external component is produced through the car speakers. ; OFF: Disables "AUX" in source selection.
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 the speaker size for optimum performance.
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/

Listening to the Radio

■ Press and hold to memorize the current station.
■ Press briefly to recall memorized station.

1 Press ⏻ **SRC** to select "TUNER".
2 Press ⌕ repeatedly to select a band (FM1, FM2, FM3, MW/LW).
3 Press I◄◄ / ►►I to search for a station.
■ The tuning mode can be changed. Refer to <SEEK MODE> (page 8).

Adjust [SETTINGS] mode settings

While listening to the radio...
1 Press the volume knob to enter [FUNCTION] mode.
2 Turn the volume knob to select [SETTINGS], then press to enter.
3 Turn the volume knob to make a selection, then press to confirm.
   See table below for selection.
4 Hold ⮌ to finish the procedure.

Item	Selectable setting (Preset: *)
LOCAL SEEK	**ON:** Searches only FM stations with good reception. ; **OFF *:** Cancels.
SEEK MODE	**AUTO1 *:** Automatically search for a station. ; **AUTO2:** Search in the order of the stations in the preset memory. ; **MANUAL:** Manually search for a station.
AUTO MEMORY	**YES:** Automatically starts memorizing 6 stations with good reception. ; **NO *:** Cancels (automatic memorizing is not activated). (Selectable only if [NORMAL] is selected for [PRESET TYPE].) (page 7)
MONO SET	**ON:** Improves the FM reception (but the stereo effect may be lost). ; **OFF *:** Cancels (stereo effect resumes).
PTY SEARCH	Selects the available Program Type (page 9). Then, press I◄◄ / ►►I to start searching. Press the volume knob to enter PTY language selection. Turn the volume knob to select the PTY language (**ENGLISH */ FRENCH/ GERMAN**), then press to confirm.
TI	**ON:** The traffic information automatically when the traffic bulletin starts. ; **OFF *:** Cancels. (Not applicable if "MW/LW" is selected)
NEWS SET	**00M – 90M:** Sets the time for receiving the next news bulletin. ; **OFF *:** Cancels.
AF SET	**ON *:** Automatically searches for another station broadcasting the same program in the same Radio Data System network with better reception when the current reception is poor. ; **OFF:** Cancels.
REGIONAL	**ON *:** Switches to another station only in the specific region using the "AF" control. ; **OFF:** Cancels.

Item	Selectable setting (Preset: *)
AUTO TP SEEK	**ON *:** Automatically searches for a station with better reception when the traffic information's reception is poor. ; **OFF:** Cancels.

■ [TI/ NEWS SET/ AF SET/ REGIONAL/ AUTO TP SEEK] is selectable only when the source is "FM". If other playback source is selected, these settings are selectable under [TUNER SET] item. (page 29)
■ [LOCAL SEEK/ MONO SET/ PTY SEARCH] is selectable only when the source is "FM".
■ **Available Program Type:**
SPEECH; *MUSIC*; NEWS; AFFAIRS; INFO; SPORT; EDUCATE; DRAMA; CULTURE; SCIENCE; VARIED; *POP M (music)*; *ROCK M (music)*; *EASY M (music)*; *LIGHT M (music)*; *CLASSICS*; *OTHER M (music)*; WEATHER; FINANCE; CHILDREN; SOCIAL; RELIGION; PHONE IN; TRAVEL; LEISURE; *JAZZ*; *COUNTRY*; *NATION M (music)*; *OLDIES*; *FOLK M (music)*; DOCUMENT
The unit will search for the Program type categorized under [SPEECH] or [*MUSIC*] if selected.
[SPEECH] : Roman typeface item. ; [*MUSIC*] : Italic typeface item.

■ The Radio Data System feature won't work where the service is not supported by any broadcasting station.
■ If the volume is adjusted during reception of traffic information, the adjusted volume is memorized automatically. It will be applied the next time Traffic Information function is turned on.

Listening to the other external components

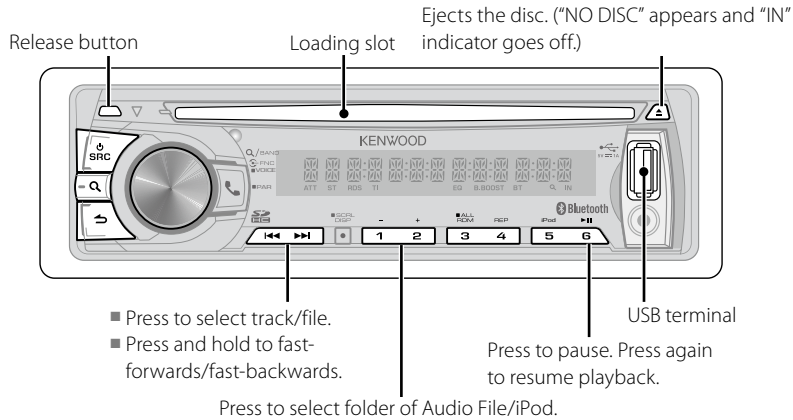**Preparation :** Make sure [ON] is selected for [BUILT-IN AUX]. (page 7)
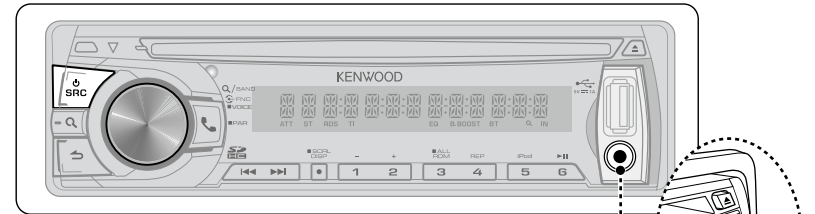
1 Press ⏻ **SRC** to select "AUX".
2 Turn on the external component and start playing.
3 Turn the volume knob to adjust the volume.

Auxiliary input jack

Portable audio device (commercially available)

3.5 mm stereo mini plug (commercially available)

Listening to a Disc/ USB device/ SD/ iPod

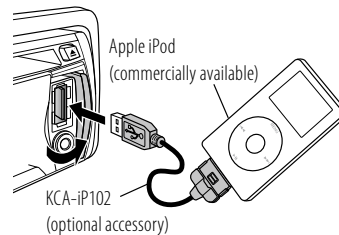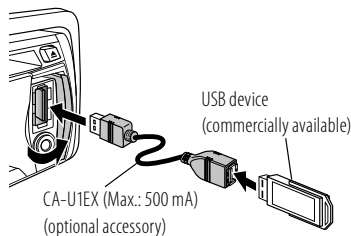Release button   Loading slot   Ejects the disc. ("NO DISC" appears and "IN" indicator goes off.)

■ Press to select track/file.
■ Press and hold to fast-forwards/fast-backwards.

USB terminal

Press to pause. Press again to resume playback.

Press to select folder of Audio File/iPod.

Start playing a disc

1 Press ⏻ **SRC** to turn on the power.
2 Insert a disc into the loading slot.
Playback starts automatically.

Start playing a USB device or iPod

1 Press ⏻ **SRC** to turn on the power.
2 Slide open the cover.
3 Connect a USB device or iPod to the USB terminal.
The source automatically switches, and playback starts.

USB device (commercially available)

CA-U1EX (Max.: 500 mA) (optional accessory)

Apple iPod (commercially available)

KCA-iP102 (optional accessory)

Removing the USB device or iPod

1 Press ⏻ **SRC** to select a source other than "USB" or "iPod".
2 Remove the USB device or iPod.

Start playing an SD

1 Press ⏻ **SRC** to turn on the power.
2 Press the Release button to Detach the faceplate.
3 Hold the SD card with the label side up and the notched section on the right, and insert it into the slot until it clicks.
4 Reattaching the Faceplate
5 Press ⏻ **SRC** to select "SD".

SD card (commercially available)
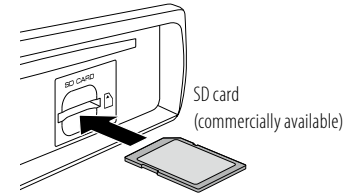
Removing the SD card

1 Press the Release button to Detach the faceplate.
2 Push the SD card until it clicks and then remove your finger from the card.
The card pops up so that you can pull it out with your fingers.
3 Reattaching the Faceplate.

Selecting Repeat Play

Press number button **4 (REP)** repeatedly to make a selection.
Audio CD : TRACK REPEAT, REPEAT OFF
Audio File :
  FILE REPEAT, FOLDER REPEAT, REPEAT OFF
iPod :
  FILE REPEAT, REPEAT OFF

Selecting Random Play

Press number button **3 (ALL RDM)** repeatedly to make a selection.
Audio CD : DISC RANDOM, RANDOM OFF
Audio File/ iPod :
  FOLDER RANDOM, RANDOM OFF

All Random Play

Press and hold number button **3 (ALL RDM)**.
Pressing this button again plays songs in the normal mode starting.
Audio File/ iPod :
  ALL RANDOM, RANDOM OFF
■ Changes the iPod browsing item to "songs".

Selecting a folder/track/file

1 Press 🔍 to enter Music Search mode.
"SEARCH" appears, then the current file name appears on the display.
2 Turn the volume knob to select a folder/ track/ file, then press to confirm.
■ To skips songs, press ⏮/ ⏭. Holding ⏮/ ⏭ skips songs at 10% regardless of the setting made. (page 12)
This operation is effective only for the iPod or Kenwood Music Editor media.
■ To return to the root folder (audio file), top menu (iPod) or first track (audio CD), press **5**.
■ To return to the previous folder, press ⤺.
■ To cancel the Music Search mode, press and hold ⤺.
■ < or > on the display indicates that preceded/next item is available.

Alphabet Search for iPod

1 Press 🔍 to enter Music Search mode.
"SEARCH" appears.

2 Turn the volume knob to select a category, then press to confirm.

3 Press 🔍 again to enter alphabet search mode.
"SEARCH <– – –>" appears.

4 Turn the volume knob to select the character to be searched for.

5 Press ◄◄ / ►►I to move to the entry position.
You can enter up to three characters.

6 Press the volume knob to start searching.
After this step, see step 2 of <Selecting a folder/track/file> (page 11) to select a song.

■ To return to the Music Search mode, press ⬑.

■ To cancel the Music Search mode, press and hold ⬑.

■ A longer searching time is required if there are many songs or playlists in the iPod.

■ To search for a character other than A to Z and 0 to 9, enter only " * ".

■ The article (a, an, the) of songs name will be skipped during search.

Selecting App & iPod Control Mode

Press number button **5 (iPod)** repeatedly to make a selection.

MODE ON :
Control iPod from the iPod *. "APP&iPod MODE" appears on the display.

MODE OFF: Control iPod from the unit.

* You can still control play/pause, select files, fast-forward/reverse files from the unit.

Adjust [SETTINGS] mode settings

While listening to an iPod or KENWOOD Music Editor media ...

1 Press the volume knob to enter **[FUNCTION]** mode.

2 Turn the volume knob to select **[SETTINGS]**, then press to enter.

3 Turn the volume knob to select **[SKIP SEARCH]**, then press to enter.

4 Turn the volume knob to make a selection, then press to confirm.
0.5% (initial)**/ 1%/ 5%/ 10%** : Sets the ratio of skip when searching for a song in Music Search mode.
(Holding ◄◄ / ►►I skips songs at 10% regardless of the setting made.)

5 Hold ⬑ to finish the procedure.

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 the disk by moving the cloth outward from the center of the disc.
- Clean the disc with a dry silicon or soft cloth. Do not use any solvents.
- When removing a disc from this unit, pull it out horizontally.
- If the center hole or outside rim of a disc has burrs, remove them before inserting a disc.

Discs that cannot be used

- This unit can only play the CDs with:
- A disc that is not round.
- A disc with coloring on the recording surface or a disc that is dirty.
- You cannot play a Recordable/ReWritable disc that has not been finalized. (For the finalization process, refer to the instruction manual that came with your disc writing software or your disc recorder.)
- 3-inch CD cannot be used. An attempt to insert using an adapter can cause malfunction.

About the Audio file

- Playable Audio files: MP3 (.mp3), WMA (.wma), AAC-LC (.m4a)
- Playable disc media: CD-R/RW/ROM
- Playable disc file formats: ISO 9660 Level 1/2, Joliet, Romeo, Long file name.
- Playable USB devices: USB mass storage class
- Playable USB device or SD card file systems: FAT16, FAT32

Although the audio files are complied with the standards listed above, the play maybe impossible depending on the types or conditions of media or device.
- 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/

About the USB device

- This unit can play audio files stored on a USB mass storage class device.
- Install the USB device in the place where it will not prevent you from driving your vehicle properly.
- You cannot connect a USB device via a USB hub or multi card reader.
- Make sure all important data has been backed up to avoid losing the data.
- Connecting a cable whose total length is longer than 5 m can result in abnormal playback.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 500 mA.
- When connecting the USB device, use of the CA-U1EX (option) is recommended. The maximum current consumption of the CA-U1EX is 500 mA.

About the SD card

- This unit is capable of playback of SD/SDHC memory cards complying with the SD or SDHC standard. SD card (≤2 GB), SDHC card (≤32 GB)
- A special adapter is required to use a miniSD card, miniSDHC card, microSD card or microSDHC card.
- The MultiMedia Card (MMC) cannot be used.
- Data recorded in the SD audio format cannot be played back.

About compatible iPod/iPhone

Made for
- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

(As of January 2012)

- Latest compatible list of iPod/iPhone. For details, see: www.kenwood.com/cs/ce/ipod
- Types of available control vary depending on the type of connected iPod. For details, see above URL.
- The word "iPod" appearing in this manual indicates the iPod or iPhone connected to this unit with a connection cable, KCA-iP102 (optional accessory).
- 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 a correct title, etc.
- You cannot operate the iPod if "KENWOOD" or "✔" displayed on the iPod.

About "KENWOOD Music Editor"

- This unit supports the PC application "KENWOOD Music Editor Light ver1.1" or later.
- When you use the audio file with database information added by the "KENWOOD Music Editor Light ver1.1", you can search for a file by title, album or artist name using the function mentioned in Music Search (page 11).
- In the Instruction manual, the term "Music Editor media" is used to mean the device that contains audio files with database information added with KENWOOD Music Editor.
- "KENWOOD Music Editor Light ver1.1" is available from the following web site: www.kenwood.com/cs/ce/
- For further information on "KENWOOD Music Editor Light ver1.1", refer to the site above or the application help.

Getting Started of Bluetooth
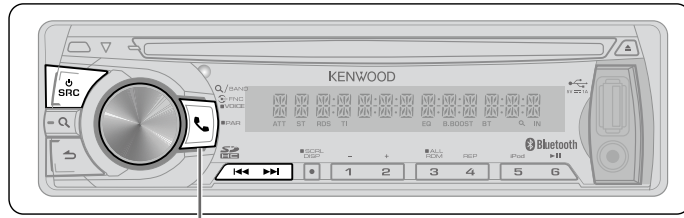
Press and hold to pairing mode.

Easy Pairing function

1 Press and hold 📞 to enter easy pairing mode

"PAIRING" is displayed.

■ Any of the following is displayed depending on Bluetooth device registration condition:
 – "SEARCHING": When registering a Bluetooth device for the first time.
 – "(device name)": When a Bluetooth device has already been registered.
 – "DEVICE FULL": When a maximum of five Bluetooth devices have already been registered.

■ To cancel the easy pairing mode, press 📞.

When registering a Bluetooth device for the first time (Registering a Bluetooth device)

2 "SEARCHING" is displayed.

Search for the Bluetooth device. When search is completed, "FINISHED" is displayed.

3 Turn the volume knob to select a Bluetooth device name, press to confirm.

4 "CONFIRM DVC" is displayed.

If "PAIRING OK" is displayed, proceed to step 7.
If "PIN CODE" is displayed, proceed to steps 5.
If "*** NG" is displayed, press the volume knob. Proceed to steps 4.

5 Input the PIN code
 ■ To select the number, turn the volume knob.
 ■ To move to the next digit, press ▶▶|.
 ■ To delete the last digit, press |◀◀.

6 Press the volume knob to transmit the PIN code.

If "PAIRING OK" is displayed, registration is completed.
When "CONFIRM DVC" is displayed, confirm connection with a Bluetooth device operation.

7 The receiver is connected to a Bluetooth device, with "HF CONNECT" or "AUD CONNECT" displayed, and exits the easy pairing mode.

■ If an error code is displayed during paring, see <Troubleshooting> (page 37).

■ If the error message appears even though the PIN code is correct, try the procedure mentioned in <Registering a Special Bluetooth device> (page 22).

When a Bluetooth device has already been registered, or maximum of five Bluetooth devices have already been registered (Selecting a Bluetooth device)

2 "(device name)" or "DEVICE FULL" is displayed.

3 Turn the volume knob to select a Bluetooth device name.

■ To register a new Bluetooth device, select "[NEW DEVICE]", then go to "When registering a Bluetooth device for the first time."

4 Press the volume knob.

5 Turn the volume knob to select the profile for the device to connect.
 ■ "HANDSFREE"/ "AUDIO": The device can be connected using either a hands-free or audio profile.
 "HF/AUD": The device is can be connected using both hands-free and audio profiles.

6 Press the volume knob to set up the Bluetooth device.
 ■ "✱H✱A (device name)": The selected Bluetooth device is busy.
 ■ "-H-A (device name)": The selected Bluetooth device is on standby.
 ■ " H A (device name)": The Bluetooth device is deselected.
 • *"H" (HFP) or "A" (A2DP) indicates the corresponding profile.*

7 Press 📞 to exit easy pairing mode.

Deleting the registered Bluetooth device

2 "(device name)" or "DEVICE FULL" is displayed.

3 Turn the volume knob to select a Bluetooth device name.

4 Press and hold the volume knob to delete the selected Bluetooth device.

"DELETE" is displayed.

5 Turn the volume knob to select "YES", then press to confirm.

"COMPLETED" is displayed.

6 Press 📞 to exit easy pairing mode.

Registering from Bluetooth devices (Pairing)

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

2 Start registering this unit by operating the Bluetooth device.

By operating the Bluetooth device, register the hands-free unit or audio unit (pairing). Select "KENWOOD BT CD/R-6P1" from the list of found units.

3 Input the PIN code ("0000") in the Bluetooth device.

Check that registration is complete on the Bluetooth device. PIN code is set to "0000" as the default. You can change this code. Refer to **[PIN CODE EDIT]** under <Bluetooth Setup> (page 24).

4 By operating the Bluetooth device, start hands-free connection.

■ If there are 5 or more Bluetooth devices registered, you cannot register a new Bluetooth device.

About the Cell-Phone
■ Version: Bluetooth Standard Ver. 3.0 Certified
■ Profile:
 HFP (Hands Free Profile)
 HSP (Headset Profile)
 SPP (Serial Port Profile)
 OPP (Object Push Profile)
 PBAP (Phone book Access Profile)
 A2DP (Advanced Audio Distribution Profile)
 AVRCP (Audio/Video Remote Control Profile)

For the cell-phones verified for compatibility, access the following URL:
www.kenwood.com/cs/ce/bt/
■ The units supporting the Bluetooth function have been certified for conformity with the Bluetooth Standard following the procedure prescribed by Bluetooth SIG. However, it may be impossible for such units to communicate with your cell-phone depending on its type.

Operation of Hands-Free Phoning

Preparation : You need to register your cell-phone before using it with this unit. (page 16)
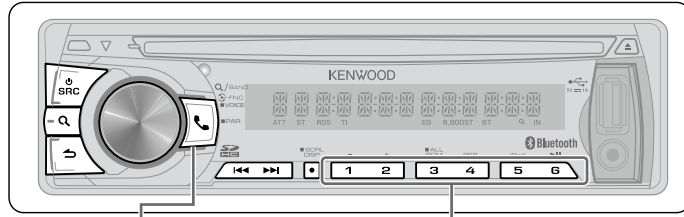
- ■ Press to enter Bluetooth mode.
- ■ Press to answer an incoming call.
- ■ Press and hold to memorize the current phone number.
- ■ Press briefly to recall memorized phone number.

Making a Call

1 Press 📞 to enter Bluetooth mode.
2 Turn the volume knob to select a dialing method, then press to enter.
- ■ Operation method of each mode is described below.
  - – "PHONE BOOK": Calling a Number in the Phone Book
  - – "OUTGOING"/ "INCOMING"/ "MISSED CALLS": Calling a Number in the Call Log
  - – "NUMBER DIAL": Dialing a Number
  - – Speed Dialing (Preset Dial)
- ■ Switches between name and phone number, press **DISP**.
- ■ To return to the Bluetooth mode, press and hold ⬑.
- ■ To cancel the Bluetooth mode, press 📞.

Calling a Number in the Phone Book
2 Turn the volume knob to select "PHONE BOOK", then press to enter.
3 Press 🔍 to enter alphabet search mode.
4 Turn the volume knob to select the character to be searched for.
- ■ To move to the next row, press ◄◄ / ►►.
- ■ To return to the Phone Book mode, press ⬑.

5 Press the volume knob to start searching.
6 Turn the volume knob to select a name and category.
- ■ To move to the next character, press ◄◄ / ►►.
7 Press the volume knob to make a call.
- ■ To use the Phone Book, it must be downloaded to this unit in advance. Refer to <Downloading the Phone Book> (page 20).
- ■ During search, a non-accent character such as "u" is searched for instead of an accent character such as "ü".
- ■ The category items in the Phone Book are displayed as follows.
  GE: General ; **HM:** Home ; **OF:** Office ; **MO:** Mobile ; **OT:** Other

Calling a Number in the Call Log
2 Turn the volume knob to select the "OUTGOING" (outgoing call), "INCOMING" (incoming call), or "MISSED CALLS" (missed call), then press to enter.
3 Turn the volume knob to select a name or phone number.
4 Press the volume knob to make a call.
- ■ The outgoing call list and incoming call list, and missed call list, are the lists of calls originated from and received by this unit.

They are not the ones stored in the cell-phone memory.

Dialing a Number
2 Turn the volume knob to select "NUMBER DIAL", then press to enter.
3 Turn the volume knob to select the phone number
- ■ To move to the next digit, press ►►.
- ■ To delete the last digit, press ◄◄.
4 Press the volume knob to make a call.
- ■ You can input max 32 digits.

Speed Dialing (Preset Dial)
2 Press number button (**1 – 6**).
3 Press the volume knob to make a call.

Registering in the preset dial number list
2 Enter the phone number with reference to the following:
  Dialing a Number/ Calling a number in the call log/ Calling a number in the Phone Book
3 Press and hold number button (**1 – 6**).

Make a Voice Dialing Call
You can make a voice call using the voice recognition function of your cell-phone.
1 Press and hold the volume knob to start voice recognize.
2 Pronounce the name registered in the cell-phone.
  Make a call.
- ■ To cancel the voice recognize, press and hold the volume knob.
- ■ If "NO SUPPORT" is displayed, your cell-phone does not support the voice recognition function.
- ■ If "N/A VOICE TAG" is displayed, your cell-phone cannot start voice recognition.
- ■ If your voice cannot be recognized, a message is displayed. Pressing the Volume knob allows you to retry voice input.
- ■ Audio sound is not output during voice recognition.

Receiving a Call

Answering a Phone Call
Press 📞 or the volume knob.
- ■ The following operations disconnect the line:
  – Insert a CD.
  – Connect a USB device.
- ■ The name of the calling party is displayed if it has already been registered in the Phone Book.

Rejecting an Incoming Call
Press ⏻ **SRC**.

During a Call

Disconnecting a Call
Press 📞 or ⏻ **SRC**.

Switching to the Private Mode
Press number button **6** to switches between Private talk ("PRIVATE TALK") and Hands-free talk ("HANDS FREE").

Adjusting the Voice Volume during a Call
Turn the volume knob.

Call Waiting

Answering Another Incoming Call with the Current Call Suspended
1 Press the volume knob.
2 Turn the volume knob to select [ANSWER], then press to enter.

Continuing the Current Call
1 Press the volume knob.
2 Turn the volume knob to select [REJECT], then press to enter.

Switching between the Current Call and Waiting Call
Press the volume knob to switches the calling party.

Clearing the disconnection message
Press 📞 to "HF DISCONCT" disappears.

Downloading the Phone Book

To download automatically

If the cell-phone supports a phone book synchronization function, the phone book is downloaded automatically after Bluetooth connection.

- Setting on the cell-phone may be required.
- If no phone book data is found in the unit even after the compete display, your cell-phone may not support a phone book data automatic downloading function. In this case, try downloading manually.

To download from the cell-phone manually

1 By operating the cell-phone, end the hands-free connection.
2 By operating the cell-phone, send the phone book data to this unit
   By operating the cell-phone, download the phone book data to this unit.
   - During downloading: "DOWNLOADING" is displayed.
   - After completion of downloading: "COMPLETE" is displayed.
3 By operating the cell-phone, start the hands-free connection.

- To clear the downloading completion message, press any button.
- Up to 600 phone numbers can be registered for each registered cell-phone.
- Up to 32 digits can be registered for each phone number along with up to 50* characters representing a name.
  (* 50: Number of alphabetical characters. Fewer characters can be input depending on the type of characters.)
- To cancel downloading of the phone book data, operate the cell-phone.

Listening to a Bluetooth Audio

Preparation : You need to register your audio player before using it with this unit. (page 16)
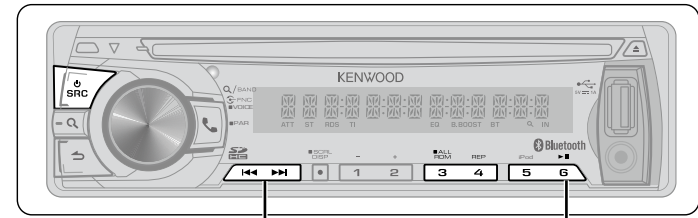
- Press to select file.
- Press and hold to fast-forwards/fast-backwards.

Press to pause. Press again to resume playback.

1 Press ⏻ **SRC** to select "BT AUDIO".
2 Press |◄◄ / ►►| to selects a file.

- Bluetooth audio players that do not support AVRCP (Audio/Video Remote Control Profile) cannot be used with this unit. Operate from the audio player.
- Some functions cannot be operated from the Bluetooth audio player.
- Speakers from which audio is output change depending on the Bluetooth setting "BT HF/AUDIO". The default is Front. (page 24)

Selecting Repeat Play

Press number button **4 (REP)** repeatedly to make a selection.
FILE REPEAT, REPEAT OFF

Selecting Random Play

Press number button **3 (ALL RDM)** repeatedly to make a selection.
RANDOM ON, RANDOM OFF

Switching between Bluetooth devices

Press number button **5**.
The currently selected device name is displayed.

Bluetooth Setup

Registering a Bluetooth Device (Pairing)

Registering from this unit

1. Press 📞 to enter Bluetooth mode.
2. Turn the volume knob to select **[SETTINGS]**, then press to enter.
3. Turn the volume knob to select **[PAIRING]**, then press to enter.
4. Turn the volume knob to select **[DEVICE SEARCH]**, then press to enter.
   Search for the Bluetooth device.
   When search is completed, "FINISHED" is displayed.
5. Turn the volume knob to select a Bluetooth device name, press to confirm.
6. "CONFIRM DVC" is displayed
   If "PAIRING OK" is displayed, proceed to step 9.
   If "PIN CODE" is displayed, proceed to steps 7.
   If "*** NG" is displayed, press the volume knob. Proceed to steps 6.
7. Input the PIN code
   ▪ To select the number, turn the volume knob.
   ▪ To move to the next digit, press ▶▶|.
   ▪ To delete the last digit, press |◀◀.
8. Press the volume knob to transmit the PIN code.
   If "PAIRING OK" is displayed, registration is completed. If the error message appears even though the PIN code is correct, try the procedure mentioned in <Registering a Special Bluetooth device>.
9. Hold ⮐ to finish the procedure.
   ▪ To cancel the Bluetooth mode, press 📞.
   ▪ If there are 5 or more Bluetooth devices registered, you cannot register a new Bluetooth device.

Registering a Special Bluetooth device

1. Press 📞 to enter Bluetooth mode.
2. Turn the volume knob to select **[SETTINGS]**, then press to enter.
3. Turn the volume knob to select **[PAIRING]**, then press to enter.
4. Turn the volume knob to select **[S-DVC SELECT]**, then press to enter.
5. Turn the volume knob to select a device name, press to confirm.
6. Go through the procedure step 4 of <Registering from this unit> and complete the registration (pairing).
   ▪ If the device name is not in the list, select "OTHER PHONE".

Selecting the Bluetooth Device

1. Press 📞 to enter Bluetooth mode.
2. Turn the volume knob to select **[SETTINGS]**, then press to enter.
3. Turn the volume knob to select **[PAIRING]**, then press to enter.
4. Turn the volume knob to select **[PHONE SELECT]** or **[AUDIO SELECT]**, then press to enter.
5. Turn the volume knob to select a Bluetooth device name.
6. Press the volume knob to set up the Bluetooth device.
   ▪ "✱ (device name)": The selected Bluetooth device is busy.
   ▪ "- (device name)": The selected Bluetooth device is on standby.
   ▪ "(blank) (device name)": The Bluetooth device is deselected.
7. Hold ⮐ to finish the procedure.
   ▪ To cancel the Bluetooth mode, press 📞.

Bluetooth Device Registration Test

You can check whether your Bluetooth device can be registered using this unit.

1. Press and hold 📞 to enter easy pairing mode
   "PAIRING" is displayed.
   Search for the Bluetooth device.
   When search is completed, "FINISHED" is displayed.
   ▪ When "(device name)" is displayed, select "[NEW DEVICE]" and press the control knob.
   ▪ When "DEVICE FULL" is displayed, delete a Bluetooth device and retry.
     1. Turn the volume knob to select the Bluetooth device, then press and hold to confirm.
     2. Turn the volume knob to select "YES", then press to confirm.
2. Turn the volume knob to select a Bluetooth device name, press and hold to confirm.
   "BT TEST MODE" is displayed.
3. "CONFIRM DVC" is displayed.
   If "PAIRING OK" is displayed, proceed to step 6.
   If "PIN CODE" is displayed, proceed to steps 4.
   If "*** NG" is displayed, press the volume knob. Proceed to steps 3.
4. Input the PIN code
   ▪ Turn the volume knob to select the number.
   ▪ To move to the next digit, press ▶▶|.
   ▪ To delete the last digit, press |◀◀.
5. Press the volume knob to transmit the PIN code.
6. The connection result, "OK" or "NG", is displayed.
   ▪ "PAIRING": Registration to this unit
   ▪ "HF CONNECT": Hands-free phoning
   ▪ "AUD CNT": Audio playback
   ▪ "PB DL": Phone Book downloading
7. Press 📞 to exit pairing mode.
   ▪ Data (Phone Book, etc.) of the cell-phone checked for connection does not remain in this unit.

Bluetooth Setup

1 Press 📞 to enter Bluetooth mode.

2 Turn the volume knob to select **[SETTINGS]**, then press to enter.

3 Turn the volume knob to make a selection, then press to confirm.
- See table below for selection.
- Repeat step 3 until the desired item is selected/activated.
- Press ⬑ to return to the previous item.

4 Hold ⬑ to finish the procedure.
- To cancel the Bluetooth mode, press 📞.

Item	Selectable setting (Preset: *)
PAIRING	
DEVICE SEARCH	Registers a Bluetooth device (pairing). (For details, see page 22.)
PHONE SELECT	Selects a cell-phone connection. (For details, see page 22.)
AUDIO SELECT	Selects a Bluetooth audio player connection. (For details, see page 22.)
S-DVC SELECT	(For details, see page 22.)
DEVICE DELETE	Cancel registration of the Bluetooth device.
	1. Turn the volume knob to select the Bluetooth device, then press to confirm.
	2. Turn the volume knob to select "YES", then press to confirm.
DETAILED SET	
PIN CODE EDIT	Specify the PIN code required when registering this unit using the Bluetooth device. By default, "0000" is specified.
	1. Turn the volume knob to select the number.
	▪ To move to the next digit, press ▶▶⏐.
	▪ To delete the last digit, press ⏐◀◀.
	2. Press the volume knob to register a PIN code
AUTO ANSWER	**OFF:** Does not answer the phone call automatically. ; **0:** Automatically answers the phone call at once. ; **1 − 8 * −99:** Automatically answers the phone call after lapse of 1 − 99 seconds.
RECONNECT	**ON *:** Automatically reconnects the selected Bluetooth device when radio wave becomes strong enough, even after it is disconnected. ; **OFF:** Cancels.
	▪ When this function is turned ON, the Bluetooth device is reconnected if it has been disconnected by selecting **[PHONE SELECT]**/ **[AUDIO SELECT]**.
BT HF/AUDIO	**FRONT *:** Outputs audio from the front speakers. ; **ALL:** Outputs audio from the all speakers.
CALL BEEP	**ON *:** Sets whether to output a beep from the speaker when a call comes in. ; **OFF:** Cancels.
BT F/W UPDATE	Display the firmware version and update the firmware.
MIC GAIN	**1 — 20 * — 30:** Adjust the sensitivity of the microphone for telephone call or adjusts the voice of the caller.
NR LEVEL	**−1 — 0 * — +1:** Reduce the noise generated by the surrounding environment without changing the built-in microphone volume or adjusts the voice of the caller when it is not clear. Setting to "+" increases the noise reduction.
EC LEVEL	**−1 — 0 * — +1:** Adjust the level of echo cancellation. Setting to "+" increases the echo cancel reduction.

SMS (Short Message Service)

Downloading the SMS

1 Press 📞 to enter Bluetooth mode.
2 Turn the volume knob to select [SETTINGS], then press to enter.
3 Turn the volume knob to select [SMS], then press to enter.
4 Turn the volume knob to select [SMS DOWNLOAD], then press to enter.
5 Start downloading
 ▪ During downloading: "DOWNLOADING" is displayed.
 ▪ After completion of downloading: "COMPLETE" is displayed.
6 Hold ⮌ to finish the procedure.

▪ To cancel the Bluetooth mode, press 📞.
▪ The cell-phone must be able to transmit the SMS using Bluetooth. Setting on the cell-phone may be required. If the cell-phone does not support an SMS function, the SMS download item is not displayed in the Settings mode.
▪ When the SMS is downloaded from the cell-phone, the unopened messages in the cell-phone are opened.
▪ Up to 149 already read and unread short messages can be downloaded.

Display the SMS

⚠️

To prevent car accidents, the driver should not read the SMS while driving.

When a new message arrives
"SMS RECEIVED" is displayed.

Displaying the SMS
1 Press 📞 to enter Bluetooth mode.
2 Turn the volume knob to select [SMS INBOX], then press to enter.
3 Turn the volume knob to select a message.
 ▪ Switches between name, phone number and message reception date, press **DISP**.
4 Press the volume knob to display the text.
 ▪ To scrolls the message, turn the volume knob.
 ▪ To return to the message list, press the volume knob.
5 Hold ⮌ to finish the procedure.

▪ To cancel the Bluetooth mode, press 📞.
▪ The unopened message is displayed at the beginning of the list. Other messages are displayed in the order of reception.
▪ The SMS that has arrived when the cell-phone is not linked with Bluetooth cannot be displayed. You need to download it.
▪ The short message cannot be displayed during downloading.
▪ Unread messages are prefixed with an asterisk (*).

Return message setting

1 Press 📞 to enter Bluetooth mode.
2 Turn the volume knob to select [SETTINGS], then press to enter.
3 Turn the volume knob to select [SMS], then press to enter.
4 Turn the volume knob to select [SMS MESSAGE], then press to enter.
5 Turn the volume knob to select a message, then press to confirm.
 ▪ When the [USER] is selected, a message is displayed. Press the volume knob again.
6 Hold ⮌ to finish the procedure.

Creating an original message

1 Press 📞 to enter Bluetooth mode.
2 Turn the volume knob to select [SETTINGS], then press to enter.
3 Turn the volume knob to select [SMS], then press to enter.
4 Turn the volume knob to select [SMS MESSAGE], then press to enter.
5 Turn the volume knob to select [USER], then press and hold to enter.
6 Turn the volume knob to select the character.
 ▪ To move to the column, press �◄ / ►►I.
 ▪ To select the character type, press **DISP**.
 ▪ To delete the character, press 🔍.
 ▪ To delete the all characters, press and hold 🔍.
 ▪ You can enter alphanumeric characters using the ten keys on the remote controller.
 ▪ To select the Cyrillic characters, set [RUSSIAN SET] to [ON]. (page 7)
7 Press the volume knob to confirm.
8 Hold ⮌ to finish the procedure.

SMS Setup

1 Press 📞 to enter Bluetooth mode.
2 Turn the volume knob to select [SETTINGS], then press to enter.
3 Turn the volume knob to select [SMS], then press to enter.
4 Turn the volume knob to make a selection, then press to confirm.
See table below for selection.
5 Hold ⮌ to finish the procedure.
▪ To cancel the Bluetooth mode, press 📞.

Item	Selectable setting (Preset: *)
SMS	
SMS DOWNLOAD	Download a short message. (For details, see page 26.)
SMS REPLY	**AUTO *** : Replies to the received SMS automatically. ; **MANUAL :** Sets whether to reply to the received SMS. ; **OFF :** Does not reply to the received SMS.
SMS MESSAGE	You can select a return message.

▪ [SMS REPLY]:
 – When "AUTO" is selected, a reply is made only to the SMS from the phone whose phone number has been registered in the Phone Book. If an SMS is received from the phone whose phone number has not been registered in the Phone Book, you can reply to it in the same manner as you selected "MANUAL".
 – When an SMS is received with "MANUAL" selected, "REPLY Y/ N" is displayed. Selecting "Y" sends the reply. Selecting "N" cancels the reply. Selecting "Y" allows you to select a message.
 – If sending of a reply message fails, "SEND ERROR" is displayed. While "RESEND Y/ N" is still displayed on the display, selecting "Y" resends the reply. Selecting "N" cancels the reply.

Function settings

1 Press ⏻ **SRC** to select a source other than "STANDBY".

2 Press the volume knob to enter **[FUNCTION]** mode.

3 Turn the volume knob to select **[AUDIO CONTROL]** or **[SETTINGS]**, then press to enter.

4 Turn the volume knob to make a selection, then press to confirm.
   - See table below for selection.
   - Repeat step 4 until the desired item is selected/activated.
   - Press ⬑ to return to the previous item.

5 Hold ⬑ to finish the procedure.

[AUDIO CONTROL] : While listening to any source except in STANDBY state or Bluetooth mode.

Item			Selectable setting (Preset: *)
SUB-W LEVEL			**−15 — 0 * — +15:** Adjusts the subwoofer output level.
BASS LEVEL			**−8 — 0 * — +8:** Source tone memory: Adjusts the level to memorize in each source. (Before making an adjustment, select the source you want to adjust.)
MID LEVEL			
TRE LEVEL			
EQ PRO			
	BASS ADJUST	BASS CTR FRQ	**60/ 80/ 100 */ 200:** Selects the center frequency.
		BASS LEVEL	**−8 — 0 * — +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 — 0 * — +8:** 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 — 0 * — +8:** Adjusts the level.
PRESET EQ			**NATURAL */ USER/ ROCK/ POPS/ EASY/ TOP40/ JAZZ/ POWERFUL:** Selects a preset sound mode suitable to the music genre. (Selects **[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 — 0 * — R15:** Adjusts the left and right speaker output balance.
FADER			**R15 — 0 * — F15:** 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 front speaker. ; **100/ 120/ 150 (HZ):** Frequencies lower than the specified value are cut off.
	LPF SUBWOOFER		**THROUGH *:** All signals are sent to the subwoofer. ; **85/ 120/ 160 (HZ):** Frequencies higher than the specified value are cut off.
	SUB-W PHASE		**REVERSE** (180°)**/ NORMAL** (0°) **:** Selects the phase angle 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]**.)

Item	Selectable setting (Preset: *)
SUPREME SET	**ON *:** Creates realistic sound by interpolating the high-frequency components that are lost in AAC/ MP3/ WMA audio compression. ; **OFF:** Cancels. (Selectable only when playback an AAC/ MP3/ WMA disc or a USB device, except iPod.) (Selectable only if "CD"/ "USB"/ "SD" is selected as the source.)
VOLUME OFFSET	**−8 — 0 * — +8** (for AUX) **; −8 — 0 *** (for other sources)**:** Presets the volume adjustment level of each source. The volume level will automatically increase or decrease when you change the source. (Before making an adjustment, select the source you want to adjust.)

- Select a source before making a source tone memory adjustment, **[EQ PRO]**.
- **[SUB-W LEVEL/ LPF SUBWOOFER/ SUB-W PHASE]** is selectable only if **[SUBWOOFER SET]** is set to **[ON]**.

[SETTINGS]

| Item		Selectable setting (Preset: *)
AUX NAME SET		**AUX */ DVD/ PORTABLE/ GAME/ VIDEO/ TV:** Selects the desired name for the connected component. (Selectable only if "AUX" is selected as the source.)
CLOCK		
	CLOCK ADJUST	(For details, see .)
	TIME SYNC	**ON *:** Synchronizes the Radio Data System station time data and the unit's clock. ; **OFF:** Cancels.
DISP&KEY		
	COLOR SELECT	**VARIABLE SCAN */ COLOR 01 — 24/ USER:** Selects your preferred key illumination color. ***Adjusting the RGB values*** You can create your own "USER" color (when **[COLOR 01]** — **[COLOR 24]** is selected). 1. Press and hold the volume knob to enter the detail color adjustment mode. 2. Press ⏮ / ⏭ to select the color (R/ G/ B) to adjust. Turn the volume knob to adjust the level (0 — 9). 3. Press the volume knob to confirm and exit.
	DISP DIMMER	**ON:** Dims the display illumination. ; **OFF *:** Cancels.
	TEXT SCROLL	**AUTO */ ONCE:** Selects to scroll the display information automatically, or scroll only once. ; **OFF:** Cancels.
	BT DVC STATUS	You can display the connection status, signal strength, and battery level of Bluetooth device. **HF-CON:** Connection status for cell-phone. ; **AD-CON:** Connection status for BT Audio. ; **BATT:** Battery level of cell-phone. ; **SIGNAL:** Signal strength of cell-phone.
	KEY DIMMER	**LV1:** Dims the key illumination. ; **LV2:** Dims the key illumination darker than LV1. ; **OFF *:** Cancels.
TUNER SET		**TI/ NEWS SET/ AF SET/ REGIONAL/ AUTO TP SEEK:** Selectable only if any source other than tuner source is selected. (For details, see .)

Using the remote controller (KCA-RC405 ; optional accessory)

Remote sensor
■ Do not expose to bright sunlight.

Changing the battery of the remote control unit

—CR2025
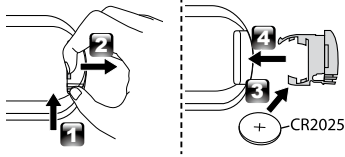
⚠ Caution:
■ Do not set the remote control in hot places such as on the dashboard.
■ Lithium battery.
  Danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
■ The battery pack or batteries shall not be exposed to excessive heat such sunshine, fire 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.

Operation of Hands-Free Phoning
Making a call:
📞   **:** Enter Bluetooth mode.
▲ / ▼   **:** Selects a dialing method.
ENT ►II : Enter dialing mode
DIRECT : Make a call
1 — 6   **:** Selects preset dial.
0 — 9   **:** Input a digit in number dial mode.
#FM+   **:** Input "#" in number dial mode.
*AM–   **:** Input "*" in number dial mode.
+►►I   **:** Input "+" in number dial mode.
I◄◄   **:** Clear the entered phone number.
Receiving a call:
📞   **:** Answer the call.
Call waiting:
📞   **:** Answer Another Incoming Call with the Current Call Suspended.
SRC   **:** Answer another Incoming Call after Terminating the Current Call.
1   **:** Continue the Current Call.
During a call:
SRC   **:** End the call.
ENT ►II : Switch between the private talk mode and the hands-free talk mode.

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

Remote controller	General operation
SRC	Selects the available sources (TUNER, BT AUDIO, USB or iPod, SD, CD, AUX, STANDBY), if the power is turned on. • *If the source is ready, playback also starts.* • *"iPod", "SD" and "CD" are selectable only when an iPod is connected, an SD card is inserted or a disc is loaded.*
VOL∧∨	Adjusts the volume level.
▲ / ▼	■ Selects items. ■ Enters Music Search mode. (page 11)
ENT ►II	■ Pauses/resumes playback of a disc/ USB device/ SD/ iPod. ■ Confirms selection.
*AM– / #FM+	■ Selects the FM bands (FM1/ FM2/ FM3) or MW/LW when "TUNER" is selected as the source. ■ Selects the previous/ next folder.
I◄◄/ +►►I	■ Searches for radio station. ■ Selects track/file. ■ Fast-forwards/fast-backwards tracks/files if pressed and held.
1 — 6	Selects preset station.
📞	■ Enters Bluetooth mode. (page 18) ■ Press to answer an incoming call.
AUD	Enters **[AUDIO CONTROL]** settings directly.
ATT	Attenuates the sound. • *To return to the previous level, press the button again.*
⬑	Returns to the previous item.
EXIT	Exit from setting mode.

Direct Access Tuning of "TUNER" source
1 Press FM+ / AM– to select a band.
2 Press **DIRECT** to enter Direct Access Tuning mode.
  "– – – –" appears.
3 Press the number buttons to enter the frequency.
4 Press I◄◄ / +►►I to search for the frequency.
■ To cancel Direct Access Tuning mode, press ⬑ or **EXIT**.

Direct Music Search of "USB"/ "SD"/ "CD" source
• *Not available if Random Play, KENWOOD Music Editor media, iPod playback is selected.*
1 Press **DIRECT** to enter Direct Music Search mode.
  "– – –" appears.
2 Press the number buttons to enter the track number.
3 Press I◄◄ / +►►I to search for the music.
■ To cancel the Direct Music Search mode, press ⬑ or **EXIT**.

Installation/connection

Part list:

Ⓐ Faceplate ....(×1)
Ⓑ Escutcheon ....(×1)
Ⓒ Mounting sleeve...(×1)
Ⓓ Wiring harness ....(×1)
Ⓔ Removal tool... (×2)
Ⓕ Microphone (3 m)......................................(×1)

Basic procedure

1 Remove the key from the ignition switch, then disconnect the ⊖ terminal of the car battery.
2 Make proper input and output wire connections.
➡ <Wiring connection> (page 34)
3 Install the unit to your car.
➡ <Installing the unit> (page 35)
4 Reconnect the ⊖ terminal of the car battery.
5 Reset the unit. (page 3)

⚠Warning

■ The unit can only be installed in a car with a 12 V DC power supply, negative ground.
■ If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
■ Disconnect the battery's negative terminal and make all electrical connections before installing the unit.
■ Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
■ Be sure to ground this unit to the car's chassis again after mounting.
■ If the power is not turned ON ("PROTECT" is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may

have been activated. Therefore, the speaker wire should be checked.

⚠Caution

■ If your car's ignition key switch does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wires to a constant-voltage power source, as with battery wires, the battery may die.
■ Do not use your own screws. Use only the screws provided.
■ Install this unit in the console of your vehicle. Make sure the faceplate will not hit the lid of the console (if any) when closing and opening.
■ After the installing the unit, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
■ Mount the unit so that the mounting angle is 30° or less.
■ If the fuse blows, first make sure the wires are not touching other parts to cause a short circuit, and then replace the old fuse with one with a new the same rating.
■ Connect the speaker wires correctly to the corresponding terminals. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
■ When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear).
■ Mounting and wiring this product requires skills and experience. For safety's sake, leave this work to professionals. If you experience problems during installation, consult your Kenwood dealer.

■ Reception may become poor if there are metal objects near the Bluetooth antenna.

Bluetooth antenna unit

For Good Reception

To assure good reception, note the following:
■ Communicate with the cell-phone within the line-of-sight distance of 10 m (30 ft). The communication range becomes shorter depending on the surrounding environment. The communication range also becomes shorter when there is an obstacle between this unit and the cell-phone. The above maximum communication range (10 m) is not always assured.
■ A broadcast station or walkie-talkie located nearby can interfere with communication due to a too strong signal.

⚠ **CAUTION**
Install this unit in the console of your vehicle.
Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.

Wiring connection

USB connector

AUX input (Stereo)
Use the mini-plug (3.5 mm ø) cable which is stereo type and does not have any resistance.

FM/AM antenna input (JASO)

Antenna Cord

Rear output
Front output
Sub Woofer output

R   L

Fuse (10A)

Microphone Ⓕ

Wiring harness Ⓓ

If no connections are made, do not let the wire come out from the tab.

Brown
(Mute control wire)

MUTE

To connect the Kenwood navigation system, consult your navigation manual.

Light Blue/Yellow
(Steering remote control wire)

REMOTE CONT
STEERING WHEEL REMOTE INPUT

To use the steering wheel remote control feature, you need to an exclusive remote adapter (not supplied) matches your car is required.

Blue/White
(Power control/ Antenna control wire)

P.CONT
ANT. CONT

Connect either to the power control terminal when using the optional power amplifier, or to the antenna control terminal in the vehicle. (Max. 300mA, 12V)

Yellow (Battery wire)

Red (Ignition wire)

Red (A–7 Pin)

Yellow (A–4 Pin)

Connecting the ISO connectors on some VW/Audi or Opel (Vauxhall) automobiles
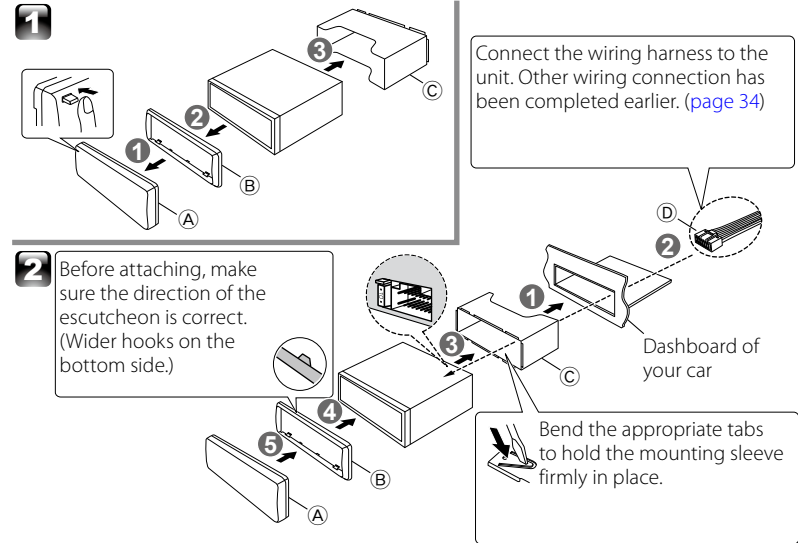You may need to modify the wiring of the supplied wiring harness as illustrated below.

Red (Ignition wire)   Red (A–7 Pin)
Unit   Vehicle
Yellow (Battery wire)   Yellow (A–4 Pin)
Default wiring

8 6 4 2
7 5 3 1   Connector A

8 6 4 2
7 5 3 1   Connector B

Pin	Color and function		Pin	Color and function	
A4	Yellow	Battery	B1 / B2	Purple ⊕ / Purple/black ⊖	Rear speaker (right)
A5	Blue/White	Power control	B3 / B4	Gray ⊕ / Gray/black ⊖	Front speaker (right)
A7	Red	Ignition (ACC)	B5 / B6	White ⊕ / White/black ⊖	Front speaker (left)
A8	Black	Earth (ground) connection	B7 / B8	Green ⊕ / Green/black ⊖	Rear speaker (left)

Installing the unit

1

Ⓒ

Ⓑ

Ⓐ

Connect the wiring harness to the unit. Other wiring connection has been completed earlier. (page 34)

Ⓓ

2 Before attaching, make sure the direction of the escutcheon is correct. (Wider hooks on the bottom side.)

Ⓒ

Ⓑ

Ⓐ

Dashboard of your car

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

Removing the unit

1 Detach the faceplate Ⓐ.
2 Engage the catch pin on the removal tools Ⓔ into the holes on both sides of the escutcheon Ⓑ, then pull it out.
3 Insert the removal tools Ⓔ deeply into the slots on each side, then follow the arrows instructions as shown on the right.

Ⓔ
Ⓑ
Ⓒ
Ⓐ
Ⓔ
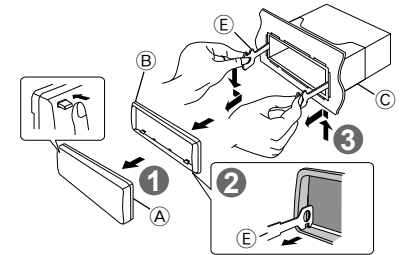
Installing the Microphone Unit

1 Check the installation position of the microphone Ⓕ.
2 Remove oil and other dirt from the installation surface.
3 Install the microphone.
4 Wire the microphone cable up to the hands-free box with it secured at several positions using tape or the like.
▪ Install the microphone as far away as possible from the cell-phone.
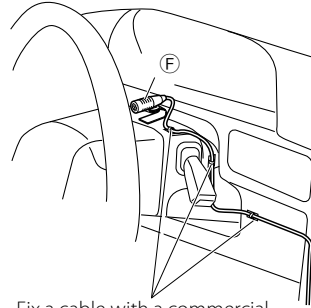
Fix a cable with a commercial item of tape.
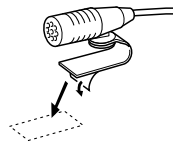
Peel off the release coated paper of double-face adhesive tape to secure the microphone on the place shown above.

Turn the microphone toward the driver.

Troubleshooting

Symptom	Remedy/Cause
Sound cannot be heard.	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 leads are covered with insulating tape properly, then reset the unit. If "PROTECT" does not disappear, consult your nearest service center.
The unit does not work at all.	Reset the unit.
Radio reception is poor. / Static noise while listening to the radio.	Connect the antenna firmly. / Pull the antenna out all the way.
"IN" flashes.	The CD player is not operating properly. Reinsert the disc properly. If the condition did not improve, turn off the unit and consult your nearest service center.
CD-R/CD-RW cannot be played back and tracks cannot be skipped.	Insert a finalized CD-R/CD-RW (finalize with the component which you used for recording).
Disc sound is sometimes interrupted.	Stop playback while driving on rough roads. / Change the disc. / Check the cords and connections.
"NA FILE" appears.	The unit is playing an unsupported audio file.
"NO DISC" appears.	Insert a playable disc into the loading slot.
"TOC ERROR" appears.	The CD is quite dirty. / The CD is upside-down. / The CD is scratched a lot. Try another disc instead.
"ERROR 99" appears.	The unit is malfunctioning for some reason. Press the reset button on the unit. If the "ERROR 99" code does not disappear, consult your nearest service center.
"COPY PRO" appears.	A copy-protected file is played.
"READ ERROR" appears.	Copy the files and folders for the USB device again. If the error message is still displayed, initialize the USB device or use other USB devices.
"NO DEVICE" appears.	▪ No USB device is connected. Connect a USB device, and change the source to USB again. ▪ SD card is not inserted properly. Insert an SD card, and change the source to SD again.
"NO MUSIC" appears.	The connected USB device or inserted SD card contains no playable audio file.
"NA DEVICE" appears.	▪ Connect a supported USB device, and check the connections. ▪ Check that the supported SD card is inserted.
"iPod ERROR" appears.	Reconnect the iPod. / Confirm that the software for the iPod is the latest version. / Reset the iPod.
Noise is generated.	Skip to another track or change the disc.
Tracks cannot play back as you have intended them to play.	Playback order is determined when files are recorded.
"READING" keeps flashing.	Longer readout time is required. Do not use too many hierarchies and folders.
Elapsed playing time is not correct.	This is caused by how the tracks are recorded.
The number of songs contained in "SONGS" category of this unit is different from that contained in "SONGS" category of iPod.	Podcast files are not counted in 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 letters (upper case), numbers, and a limited number of symbols.

Bluetooth

Symptom	Remedy/Cause
The hands-free talk volume is low.	The hands-free talk volume can be adjusted independently. Adjust it during hands-free talk. [MIC GAIN], [NR LEVEL] and [EC LEVEL] of <Bluetooth Setup> (page 24).
No beep is heard at reception of an incoming call.	No beep is heard depending on the type of your cell-phone. The [CALL BEEP] of <Bluetooth Setup> (page 24) is set ON.
Voice is not recognized.	■ The vehicle window is open. If the surrounding noise is large, voice cannot be recognized properly. Close the vehicle windows to reduce noise. ■ Small voice. If voice is too small, it cannot be recognized properly. Speak into the microphone a little more loudly and naturally. ■ The person uttering the voice tag is not the one who registered the it. Only the voice of the person who registered the voice tag can be recognized.
"NO NUMBER" appears.	The calling party does not notify a caller ID. / There is no phone number data.
"NO DATA" appears.	There is no outgoing call list. / There is no incoming call list. / There is no missed call list. / There is no phone book list. / Data is not contained in the phone book.
"NO ENTRY" appears.	The cell-phone has not been registered (pairing).
"HF DISCONCT" appears.	The unit cannot communicate with the cell-phone.
"AUD DISCONCT" appears.	The unit cannot communicate with the audio player.
"HF ERROR 07" appears.	The memory cannot be accessed. Turn off the power and on again. If this message still appears, press the reset button on the control unit.
"HF ERROR 68" appears.	The unit cannot communicate with the cell-phone. Turn off the power and on again. If this message still appears, press the reset button on the control unit.
"HF ERROR 89" appears.	Update of the Bluetooth firmware has failed. Retry it.
"UNKNOWN" appears.	The Bluetooth device cannot be detected.
"DEVICE FULL" appears.	5 Bluetooth device have already been registered. No more Bluetooth device cannot be registered.
"PIN CODE NG" appears.	The PIN code is wrong.
"CONNECT NG" appears.	The unit cannot be connected to the device.
"PAIRING NG" appears.	Pairing error.
"NO MESSAGE" appears.	No short message in In Box.
"NO ACTIVE DVC" appears.	No cell-phone is connected. Connect your cell-phone before starting voice recognition.
The sound from the Bluetooth audio player is discontinuous.	■ Another Bluetooth device is affecting the Bluetooth communication. Turn off another Bluetooth device. Move another Bluetooth device away from this unit. ■ Another Bluetooth device or profile is used for communication. The downloading of the Phone book or the SMS disconnects the sound.

Specifications

FM tuner section
Frequency range (50 kHz space):
    87.5 MHz — 108.0 MHz
Usable sensitivity (S/N= 26 dB):
    1 µV/ 75 Ω
Quieting sensitivity (DIN S/N = 46 dB):
    2.5 µV/75 Ω
Frequency response (±3 dB): 30 Hz — 15 kHz
Signal-to-Noise ratio (MONO): 63 dB
Stereo separation (1 kHz): 40 dB

MW tuner section
Frequency range (9 kHz space): 531 kHz – 1,611 kHz
Usable sensitivity (S/N = 20dB): 36 µV

LW tuner section
Frequency range: 153 kHz – 279 kHz
Usable sensitivity (S/N = 20dB): 57 µV

CD player section
Laser diode: GaAIAs
Digital filter (D/A): 8 Times Over Sampling
D/A converter: 24 Bit
Spindle speed: 500 rpm — 200 rpm (CLV)
Wow & Flutter: Below Measurable Limit
Frequency response (±1 dB): 10 Hz — 20 kHz
Total harmonic distortion (1 kHz): 0.008 %
Signal-to-Noise ratio (1 kHz): 110 dB
Dynamic range: 93 dB
AAC decode: AAC-LC ".m4a" files
MP3 decode: Compliant with MPEG-1/2 Audio Layer-3
WMA decode: Compliant with Windows Media Audio

USB interface
USB standard: USB1.1/ 2.0 (Full speed)
Maximum supply current:
    DC 5 V ⎓ 1 A
File system: FAT16/ 32
AAC decode: AAC-LC ".m4a" files
MP3 decode: Compliant with MPEG-1/2 Audio Layer-3
WMA decode: Compliant with Windows Media Audio

SD card section
Compatible physical format: Version 2.00
Maximum memory capacity: 32 GB
File System: FAT 16/ 32

AAC decode: AAC-LC ".m4a" files
MP3 decode: Compliant with MPEG-1/2 Audio Layer-3
WMA decode: Compliant with Windows Media Audio

Bluetooth section
Technology: Bluetooth Ver. 3.0 Certified
Frequency: 2.402 GHz – 2.480 GHz
Output Power: +4 dBm (MAX), 0 dBm (AVE)
    Power Class 2
Maximum Communication range:
    Line of sight approx. 10m (32.8 ft)
Profile:
    HFP (Hands Free Profile),
    HSP (Headset Profile),
    SPP (Serial Port Profile),
    OPP (Object Push Profile),
    PBAP (Phonebook Access Profile),
    A2DP (Advanced Audio Distribution Profile),
    AVRCP (Audio/Video Remote Control Profile)

Audio section
Maximum output power: 50 W × 4
Output power (DIN 45324, +B=14.4V): 30 W × 4
Speaker impedance: 4 Ω — 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 input section
Frequency response (±3 dB): 20 Hz — 20 kHz
Input maximum voltage: 1,200 mV
Input impedance: 10 kΩ

General
Operating voltage:
    14.4 V (10.5 V — 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.

Information on Disposal of Old Electrical and Electronic Equipment and Batteries (applicable for EU countries that have adopted separate waste collection systems)

Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.

Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste byproducts.

Pb Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

Notice: The sign "Pb" below the symbol for batteries indicates that this battery contains lead.

This Product is not installed by the manufacturer of a vehicle on the production line, nor by the professional importer of a vehicle into an EU Member State.

The marking of products using lasers

CLASS 1
LASER PRODUCT

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.

English
Hereby, Kenwood declares that this unit KDC-BT47SD is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Français
Par la présente Kenwood déclare que l'appareil KDC-BT47SD est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Par la présente, Kenwood déclare que ce KDC-BT47SD est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables.

Deutsch
Hiermit erklärt Kenwood, dass sich dieser KDC-BT47SD in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet. (BMWi)
Hiermit erklärt Kenwood die Übereinstimmung des Gerätes KDC-BT47SD mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien)

Nederlands
Hierbij verklaart Kenwood dat het toestel KDC-BT47SD in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Bij deze verklaat Kenwood dat deze KDC-BT47SD voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.

Italiano
Con la presente Kenwood dichiara che questo KDC-BT47SD è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Español
Por medio de la presente Kenwood declara que el KDC-BT47SD cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Português
Kenwood declara que este KDC-BT47SD está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Polska
Kenwood niniejszym oświadcza, że KDC-BT47SD spełnia zasadnicze wymogi oraz inne istotne postanowienia dyrektywy 1999/5/EC.

Český
Kenwood timto prohlasuje, ze KDC-BT47SD je ve shode se zakladnimi pozadavky a s dalsimi prislusnymi ustanoveni Narizeni vlady c. 426/2000 Sb.

Magyar
Alulírott, Kenwood, kijelenti, hogy a jelen KDC-BT47SD megfelel az 1999/5/EC irányelvben meghatározott alapvető követelményeknek és egyéb vonatkozó előírásoknak.

Svenska
Härmed intygar Kenwood att denna KDC-BT47SD stär I överensstämelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Suomi
Kenwood vakuuttaa täten että KDC-BT47SD tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Slovensko
S tem Kenwood izjavlja, da je ta KDC-BT47SD v skladu z osnovnimi zahtevami in ostalimi ustreznimi predpisi Direktive 1999/5/EC.

Slovensky
Spoločnosť Kenwood týmto vyhlasuje, že KDC-BT47SD spĺňa základné požiadavky a ďalšie prislušné ustanovenia Direktívy 1999/5/EC.

Dansk
Undertegnede Kenwood erklærer harved, at følgende udstyr KDC-BT47SD overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Ελληνικά
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Kenwood ΔΗΛΩΝΕΙ ΟΤΙ KDC-BT47SD ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

Eesti
Sellega kinnitab Kenwood, et see KDC-BT47SD vastab direktiivi 1999/5/EC põhilistele nõudmistele ja muudele asjakohastele määrustele.

Latviešu
Ar šo, Kenwood, apstiprina, ka KDC-BT47SD atbilst Direktīvas 1999/5/EK galvenajām prasībām un citiem tās nosacījumiem.

Lietuviškai
Šiuo, Kenwood, pareiškia, kad šis KDC-BT47SD atitinka pagrindinius Direktyvos 1999/5/EB reikalavimus ir kitas svarbias nuostatas.

Malti
Hawnhekk, Kenwood, jiddikjara li dan KDC-BT47SD jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Українська
Компанія Kenwood заявляє, що цей виріб KDC-BT47SD відповідає ключовим вимогам та іншим пов'язаним положенням Директиви 1999/5/EC.

Turkish
Kenwood, işbu belge ile KDC-BT47SD numaralı bu ünitenin 1999/5/EC Direktifi'nin özel gereksinimlerine ve ilgili diğer hükümlerine uygun olduğunu beyan eder.

For Turkey
Bu ürün 26891sayılı Resmi Gazete'de yayımlanan Elektrikli ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmeliğe uygun olarak üretilmiştir.
This product complies with Directive, Number 26891 regarding "REGULATION ON THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT".