KENWOOD

KDC-BT41U
KDC-BT31U
KDC-4751SD

CD-RECEIVER
INSTRUCTION MANUAL

Kenwood Corporation

Designed for
Windows Media™

AAC

Bluetooth®

SDHC™

Made for
iPod iPhone

B64-4799-00/00 (EW/E0/E2W/E20)

CONTENTS

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 sounds outside the car. Driving with the volume too high 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.
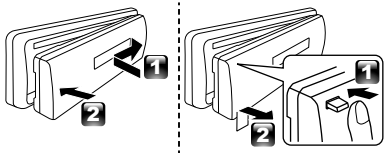
> ### Maintenance
>
> **Cleaning the unit:** Wipe off the dirt on the panel with a dry silicon or soft cloth. Failure to observe this precaution may result in damage to the monitor or unit.
> **Cleaning the connector:** Wipe off dirt on the connector of the unit and faceplate. Use a cotton swab or cloth.

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 piece of equipment 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
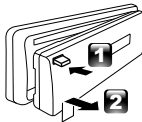
If this unit fails to operate properly, press the reset button.
The unit returns to factory settings when the reset button is pressed.
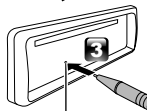
Reset button

Remote controller

KDC-BT41U/ KDC-4751SD can also be remotely controlled with an optionally purchased remote controller.

Basic Operations

Display window

KDC-BT41U/ KDC-4751SD

KDC-BT31U

Volume knob

Ejects the disc

KENWOOD
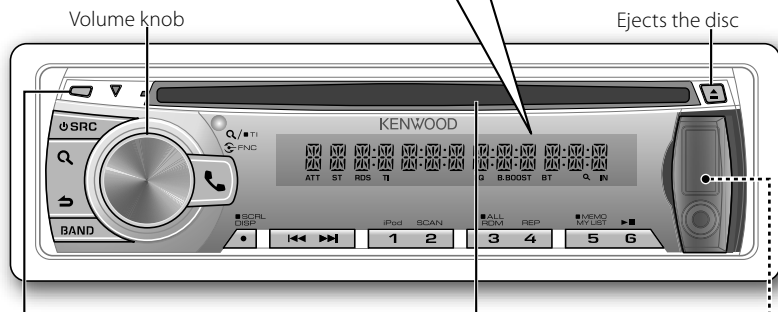
Detaches the faceplate

Loading slot

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.

EQ: [SYSTEM Q] is set to an EQ mode other than **[NATURAL]**. (page 26)

B.BOOST: [BASS BOOST] is set to **[1]** or **[2]**. (page 26)

Q: Indicates that the Music Search mode is selected now.

BT: Bluetooth cell-phone connection status.
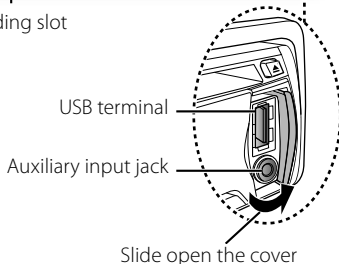
USB terminal

Auxiliary input jack

Slide open the cover

The illustration and button names used for explanation in this manual are of **KDC-BT41U/ KDC-BT31U** (unless mentioned otherwise). Refer to the table below for the difference:

KDC-BT41U/ KDC-BT31U	📞
KDC-4751SD	SD

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, 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.
BAND	▪ Selects the FM bands (FM1/ FM2/ FM3) or MW/ LW. ▪ Selects the next folder.
6 (►II)	Pauses/resumes playback of a disc/ USB device/ SD/ iPod.
I◄◄ / ►►I	▪ Searches for radio station. ▪ Selects track/file. ▪ Fast-forwards/reverses 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 (page 6) if pressed and held while in clock display screen.
📞	KDC-BT41U/ KDC-BT31U only: ▪ Enters Bluetooth mode. (page 16) ▪ Press to answer an incoming call. ▪ Enters Bluetooth easy pairing mode if pressed and held. (page 19)
SD	KDC-4751SD only: Selects "SD" source.
⬑	▪ Returns to the previous item. ▪ Exit from setting mode. • *Press and hold ⬑ on the main unit will also exit from the setting mode.*

Muting upon the reception of a phone call (KDC-4751SD only)

To use this feature, connect the MUTE lead to your telephone using a commercial telephone accessory. (See "Installation Manual" on a separate volume.)

When a call comes in, "CALL" appears.

▪ The audio system pauses.

▪ To continue listen to the audio system during a call, press ⏻ **SRC**. "CALL" disappear and the audio system resumes.

When a call ends, "CALL" disappear.

▪ The audio system resumes.

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/ CLOCK ADJ]**, 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/ NORM** *: 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:** Folder name, file name, song title, artist name, album name are displayed in Russian (if applicable). ; **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/ BUILTIN AUX	**ON1** *: Outputs sound of the connected external component through the car speakers when "AUX" is selected as the source. ; **ON2:** Outputs sound from the connected external component when "AUX" is selected as the source. When you turn on the power, the sound attenuates (to prevent noise when no external component is connected). Turn the volume knob clockwise to return to the previous volume level. ; **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.
SWITCH PREOUT/ SWITCH PRE	**REAR** */ **SUB-W:** Selects whether rear speakers or a subwoofer are connected to the line out terminals on the rear of the unit (through an external amplifier).
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

Hold to turn on or off the Traffic Information function (not applicable if "MW/LW" is selected).
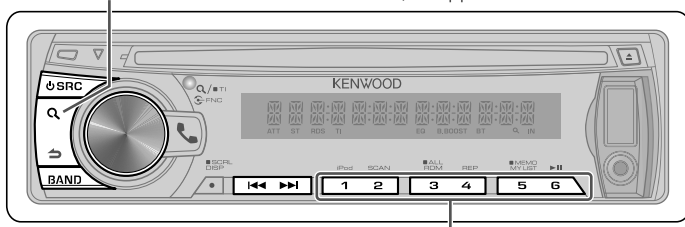
- Hold for about 2 seconds to memorize the current station or the selected Program Type. (Refer to **[PTY SEARCH]** on the table below to select the Program Type.)
- Press briefly to recall memorized station (or Program Type after entering the PTY search mode).

1 Press ⏻ **SRC** to select "TUNER".
2 Press **BAND** repeatedly to select a band (FM1, FM2, FM3, MW/LW).
3 Press I◄◄ / ►►I to search for a station.

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	Selects the tuning mode for I◄◄ / ►►I buttons. **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/ NORM]** 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.
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/ ATP SEEK	**ON *:** Automatically searches for a station with better reception when the traffic information's reception is poor. ; **OFF:** Cancels.

- [NEWS SET/ AF SET/ REGIONAL/ AUTO TP SEEK/ ATP SEEK] is selectable only when the source is "FM". If other playback source is selected, these settings are selectable under [TUNER SET] item. (page 27)

- **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 a Disc/ USB/ SD/ iPod

Detach the faceplate

Ejects the disc.
("NO DISC" appears and "IN" indicator goes off.)
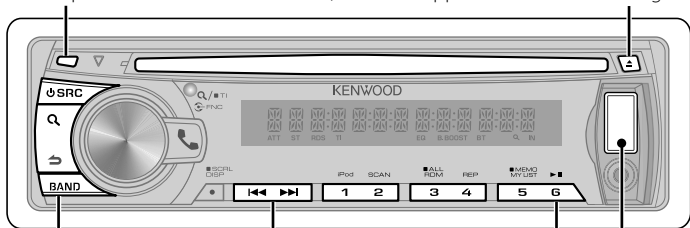
■ Press to select track/file.
■ Hold to fast-forwards/reverses.

USB terminal

Press to pause. Press again to resume playback.

Press to select next 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
(optional accessory)

Apple iPod
(commercially available)

KCA-iP102
(optional accessory)
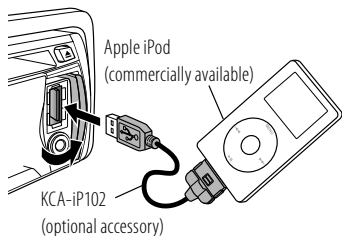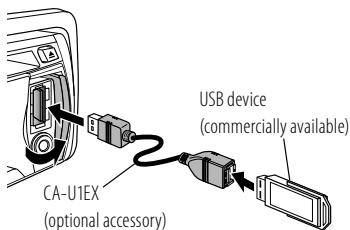
Removing the USB device or iPod

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

Start playing an SD

• *Function of KDC-4751SD.*

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)
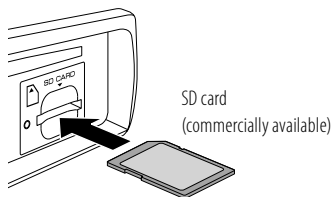
Removing the SD card

• *Function of KDC-4751SD.*

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/TRAC (track) REPEAT,
REPEAT OFF
Audio File :
FILE REPEAT, FOLDER/FOLD (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/FOLD (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 Scan Play

Press number button **2 (SCAN)** repeatedly to make a selection.
Audio CD : TRACK/TRAC SCAN, SCAN OFF
Audio File : FILE SCAN, SCAN OFF
■ If scan play is selected, the unit starts playing the first 10-second intro of the music in the disc/current folder.
If "SCAN OFF" is selected, the unit resumes normal play of the current song.

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 I◄◄/ ►►I. Holding I◄◄/ ►►I skips songs at 10% regardless of the setting made. (page 13)
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 **BAND**.
■ 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

• *Function of KDC-BT41U/ KDC-4751SD.*

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 ◄◄ / ►►◄ 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.

My Playlist for iPod

• *Function of KDC-BT41U/ KDC-4751SD.*

Registering songs in the playlist

1 Select and play the song you want to register. (page 11)

2 Press and hold number button **5 (MEMO MY LIST)** to register.
"## STORED" (registration number) appears.
You can register up to 10 songs. "MEMORY FULL" appears, if you try to register the eleventh song.

▪ If you attempt to register a song from a different iPod, "NO INFO" followed by "MPLIST DELETE" appears.
To delete the playlist, turn the volume knob to select "YES", then press to confirm.

▪ You can also register the song displayed in the Music Search mode by following the same procedure.

▪ Do not register Podcasts.

Playing a song on the playlist

1 Press number button **5 (MEMO MY LIST)** to display the playlist.
"MY PLAYLIST" appears.

2 Turn the volume knob to select the song you want, then press to confirm.

▪ Random play cannot be performed during playback of a song in the playlist.

Deleting a song on the playlist

1 Press number button **5 (MEMO MY LIST)** to display the playlist.
"MY PLAYLIST" appears.

2 Turn the volume knob to select the song you want to delete, then press and hold the volume knob.

3 Turn the volume knob to select **[DELETE ONE]** or **[DELETE ALL]**, then press to confirm.
Select "DELETE ALL" to delete all the songs in the playlist.

4 Turn the volume knob to select **[YES]**, then press to confirm.
"COMPLETED" appears.

iPod control by Hand mode

• *Function of KDC-BT41U/ KDC-4751SD.*
Press number button **1 (iPod)** repeatedly to make a selection.

HANDS ON :
Control iPod from the iPod.

▪ This mode is not compatible with music information display. The display will show "iPod MODE".

HANDS OFF: Control iPod 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 make a selection, then press to confirm.
   See the following table for selection.
4 Hold ⬑ to finish the procedure.

Item	Selectable setting (Preset: *)
SKIP SEARCH	**0.5% */ 1%/ 5%/ 10%:** Sets the ratio of skip when searching for a song in Music Search mode.
MPLIST DELETE	**YES:** Deletes the saved My Playlist. ; **NO *:** Cancels.

◾ [MPLIST DELETE] is selectable only when the source is "iPod".

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 the rims from the center hole and disc edge before inserting a disc.

Discs that cannot be used
◾ This unit can only play the CDs with:

◾ Discs that are not round.
◾ Discs with coloring on the recording surface or discs that are dirty.
◾ You cannot play a Recordable/ReWritable disc that has not been finalized. (For the finalization process refer to your disc writing software, and your disc recorder instruction manual.)
◾ 3-inch CD cannot be used. Attempt to insert using an adapter can cause malfunction.

About Audio file
◾ Playable Audio file
  : AAC-LC (.m4a), MP3 (.mp3), WMA (.wma)
◾ Playable disc media: CD-R/RW/ROM
◾ Playable disc file format: ISO 9660 Level 1/2, Joliet, Romeo, Long file name.
◾ Playable USB device or SD card file system: 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 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 and 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.
- A USB connection cable, CA-U1EX (optional accessory) is required for connecting a USB device.

About SD card (KDC-4751SD only)
- 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 4
  – iPhone 3GS
  – iPhone 3G
  – iPhone
                              (As of January 2011)
- Latest compatible list of iPod/iPhone.
  For details, see:
  www.kenwood.com/cs/ce/ipod
- Type of control available varies depending on the type of connected iPod. For details, see above URL.

- You can connect an Apple iPod/iPhone with **KDC-BT41U/ KDC-4751SD**.
  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 iPod if "KENWOOD" or "✓" displayed on 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 a file by title, album or artist name using 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.

Listening to the other external components

Preparation : Make sure **[ON1]** or **[ON2]** is selected for **[BUILT-IN AUX/ BUILTIN AUX]**. (page 7)
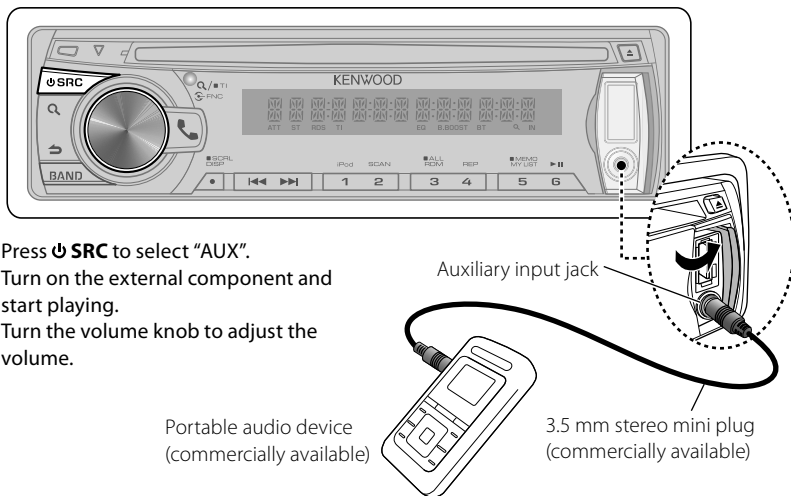
1 Press ⏻ **SRC** to select "AUX".
2 Turn on the external component and start playing.
3 Turn the volume knob to adjust the volume.

Auxiliary input jack

Portable audio device
(commercially available)

3.5 mm stereo mini plug
(commercially available)

Operation of Hands-Free Phoning

Function of KDC-BT41U/ KDC-BT31U

■ Press to enter Bluetooth mode.
■ Press to answer an incoming call.

■ Press and hold for about 2 seconds to memorize the current phone number.
■ Press briefly to recall memorized phone number.

Getting Started

Before use the cell-phone, you need to connect cell-phone to this unit.

1 Press and hold 📞 to enter easy pairing mode
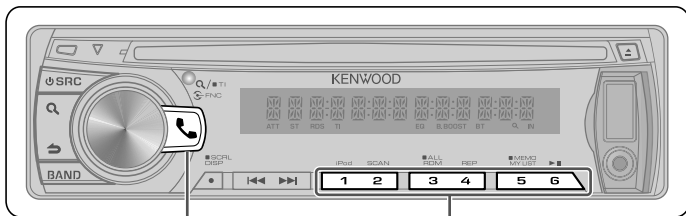 "PAIRING" is displayed.

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

3 Turn the volume knob to select a cell-phone name, press to confirm.

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.
  If "PAIRING OK" is displayed, registration is completed.
  When "CONFIRM PHONE" is displayed, confirm connection with a cell-phone operation.

6 The receiver is connected to a cell-phone, with "HF CONNECT" displayed, and exits the easy pairing mode.

■ For more details, see <Easy Pairing function> (page 19).
■ If an error code is displayed during paring,

see <Troubleshooting> (page 33).

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"/"MIS-CALL": Calling a Number in the Call Log
    - "NUMBER DIAL": Dial a Number
    - "VOICE RECOG": Make a Voice Dialing Call
    - Speed Dialing (Preset Dial)

■ Switches between name and phone number, press **DISP**.
■ To return to the Bluetooth mode, press and hold ⬑.
■ To exit 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.
  "SEARCH <– – –>" appears.

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

- To move to the next row, press **BAND**.
- 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 18).
- 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"/"MIS-CALL" (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 the incoming call list, and the missed call list are the lists of calls originated from and received at this unit. They are not the ones stored in the cell-phone memory.

Dial 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 25 digits.

Speed Dialing (Preset Dial)

2 Press number button (**1 – 6**).

3 Press the volume knob to make a call.

Registering to the Preset Dial Number (Preset Memory)

2 Enter the phone number with reference to the following:
Dial a number/ Calling a number in the call log/ Calling a number in the Phone Book

3 Press and hold number button (**1 – 6**) for about 2 seconds.

Make a Voice Dialing Call

2 Turn the volume knob to select "VOICE RECOG", then press to enter.
"V-RECG READY"/ "VR READY" is displayed.

3 Press the volume knob to start voice recognize.

4 "PB NAME" is displayed.
When a beep is heard, say the name within 2 seconds.

5 "PN TYPE" is displayed.
When a beep is heard, say the category name within 2 seconds.
The recognized phone number (name) is displayed.

6 Press the volume knob to make a call.
- This step is the same as step 4 of the procedure in <Calling a Number in the Phone Book> (page 16). You can make a call or select a category.

- If your voice cannot be recognized, a message is displayed. Pressing the Volume knob allows you to retry voice input. Refer to <Troubleshooting> (page 33).
- Both the name and category require registration of a voice tag. Refer to <Setting a Voice Command> (page 21).
- Audio sound is not output during voice recognition.

Receiving a Call

Answering a Phone Call
Press 📞 or the volume knob.

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"/ "PV TALK") and Hands-free talk ("HANDS FREE"/ "HF TALK").

Call Waiting

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

Continuing the Current Call
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.

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 automatic download of phone book data. 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 1000 phone numbers can be registered for each registered cell-phone.
- Up to 25 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.

Bluetooth Setup

Function of KDC-BT41U/ KDC-BT31U

Easy Pairing function

1 Press and hold 📞 to enter easy pairing mode
  "PAIRING" is displayed.
  - Any of the following is displayed depending on cell-phone registration condition:
    - "SEARCHING": When registering a cell-phone for the first time.
    - "(cell-phone name)": When a cell-phone has already been registered.
    - "DEVICE FULL": When maximum of five cell-phones have already been registered.

When registering a cell-phone for the first time, registering a cell-phone

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

3 Turn the volume knob to select a cell-phone name, press to confirm.

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.
  If "PAIRING OK" is displayed, registration is completed.
  When "CONFIRM PHONE" is displayed, confirm connection with a cell-phone operation.

6 The receiver is connected to a cell-phone, with "HF CONNECT" displayed, and exits the easy pairing mode.
  - If an error code is displayed during paring, see <Troubleshooting> (page 33).

When a cell-phone has already been registered, or maximum of five cell-phones have already been registered/ selecting a cell-phone

2 "(cell-phone name)" or "DEVICE FULL" is displayed.

3 Turn the volume knob to select a cell-phone name.
  - To register a new cell-phone, select "[DVC SEARCH]" or "[DV SEARCH]", then go to "When registering a cell-phone for the first time."

4 Press the volume knob to set up the cell-phone.
  - "✱(cell-phone name)": The selected Bluetooth device is busy.
  - "-(cell-phone name)": The selected Bluetooth device is on standby.
  - " (cell-phone name)": The Bluetooth device is deselected.
  - If a cell-phone is already selected, deselect it, and then select a different one.

5 Press 📞 to exit easy pairing mode.

Deleting the registered cell-phone

2 "(cell-phone name)" or "DEVICE FULL" is displayed.

3 Turn the volume knob to select a cell-phone name.

4 Press and hold the volume knob to delete the selected cell-phone.
  "DELETE" is displayed.

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

Registering Bluetooth Device (Pairing)

Registering from Bluetooth devices

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 (pairing). Select "KENWOOD BT CD/R-3P1" from the list of connected 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]**/ **[PIN EDIT]** under <Bluetooth Setup> (page 22).
4 By operating the Bluetooth device, start hands-free connection.

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 volume knob to select **[DEVICE REGIST]**/ **[DVC REGIST]**, then press to enter.
5 Press the volume knob to search for the Bluetooth device.
   When search is completed, "FINISHED" is displayed.
6 Turn the volume knob to select a Bluetooth device name, press to confirm.
7 Input the PIN code
   ■ Turn the volume knob to select the number.
   ■ To move to the next digit, press ▶▶I.
   ■ To delete the last digit, press I◀◀.
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 Registering Special Bluetooth device.

9 Hold ⬑ to finish the procedure.
■ To exit Bluetooth mode, press 📞.
■ If there are 5 or more Bluetooth devices registered, you cannot register a new Bluetooth device.

Registering 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]**/ **[S-DVC SEL]**, 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]**/ **[PHONE SEL]**, 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.
   ■ " (Device name)": The Bluetooth device is deselected.
   ■ If a cell-phone is already selected, deselect it, and then select a different one.
7 Hold ⬑ to finish the procedure.

■ To exit Bluetooth mode, press 📞.

Setting a Voice Command
Registering Phone Book Name

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 **[VOICE TAG]**, then press to enter.

4 Turn the volume knob to select **[PB NAME EDIT]**/ **[PB NAME EDT]**, then press to enter.

5 Search for the Phone Book name to register
Select the name to register with reference to 5 in <Calling a Number in the Phone Book> (page 16).
If a voice tag has already been registered for a name, "*" is displayed before the name.

6 Turn the volume knob to select **[PB NAME REG]**, then press to enter.
  ■ To select "PB NAME CHK", play the registered voice.
  ■ To select "PB NAME DEL", delete a voice tag. Turn the volume knob to select "YES", then press to confirm.

7 "ENTER 1" is displayed. When a beep is heard, say a voice tag within 2 seconds.

8 "ENTER 2" is displayed. When a beep is heard, say the same voice tag as that you said in step 7 within 2 seconds.
"COMPLETE" is displayed.

9 Press the volume knob to return to step 5.

■ To exit Setting mode, press ⬑.
■ To exit Bluetooth mode, press ⏻ **SRC**.
■ You can register up to 35 voice tags.
■ Audio sound is not output during voice tag registration.

Registering Phone Book Name Type

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 **[VOICE TAG]**, then press to enter.

4 Turn the volume knob to select **[PN TYPE EDIT]**/ **[PN TYPE EDT]**, then press to enter.

5 Turn the volume knob to select **[GENERAL]**, **[HOME]**, **[OFFICE]**, **[MOBILE]**, or **[OTHER]**, then press to enter.

6 Turn the volume knob to select **[PN TYPE REG]**, then press to enter.

7 "ENTER 1" is displayed. When a beep is heard, say a voice tag within 2 seconds.

8 "ENTER 2" is displayed. When a beep is heard, say the same voice tag as that you said in step 7 within 2 seconds.
"COMPLETE" is displayed.

9 Press the volume knob to return to step 5.

■ Set the voice tag for all the 5 categories. If the voice tag is not registered for all the categories, the Phone book may not be recalled by voice command.

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 exit Bluetooth mode, press 📞.

| Item		Selectable setting (Preset: *)
PAIRING		
	DEVICE REGIST/ DVC REGIST	Registers a Bluetooth device (pairing). (For details, see page 20.)
	PHONE SELECT/ PHONE SEL	Selects a cell-phone connection. (For details, see page 20.)
	S-DVC SELECT/ S-DVC SEL	(For details, see page 20.)
	DEVICE DELETE/ DVC 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.
SMS DOWNLOAD/ SMS DL		Download a short message. (For details, see page 24.)
VOICE TAG		
	PB NAME EDIT/ PB NAME EDT	Registers voice for voice recognition and voice to select the Phone number category in Phone book. (For details, see page 21.)
	PN TYPE EDIT/ PN TYPE EDT	
DETAILED SET/ DETAIL SET		
	PIN CODE EDIT/ PIN 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/ RECONCT	**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]/ [PHONE SELL].
	BT HF	**FRONT *:** Outputs audio from the front-left and front-right speakers. ; **ALL:** Outputs audio from the all speakers.
	CALL BEEP	**ON *:** You can output a beep from the speaker when a call comes in. ; **OFF:** Cancels.

Item	Selectable setting (Preset: *)
BT F/W UPDATE/ BT UPDATE	Display the firmware version and update the firmware.
MIC GAIN	**−3 — 0 * — +3:** Adjust the sensitivity of the built-in microphone for a telephone call. Adjust the voice of caller. Setting to "+" increases the voice volume.
NR LEVEL	**−3 — 0 * — +3:** Reduce the noises generated by surrounding environment without changing the built-in microphone volume. Adjust the voice of caller when it is not clear. Setting to "+" increases the noise reduction.
EC LEVEL	**−2 — 0 * — +2:** Adjust the level of echo cancellation. Setting to "+" increases the echo cancel reduction.
MIC SELECT	KDC-BT41U only Determines whether the built-in or external microphone is to be used when the receiver incorporates a microphone. **IN *:** Use the built-in microphone. ; **EXT:** Use the external microphone.

About the Cell-Phone
■ Version: Bluetooth Standard Ver. 2.0
■ Profile:
  HFP (Hands Free Profile)
  OPP (Object Push Profile)
  PBAP (Phone book Access Profile)
  SYNC (Synchronization 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.

SMS (Short Message Service)

Function of KDC-BT41U/ KDC-BT31U
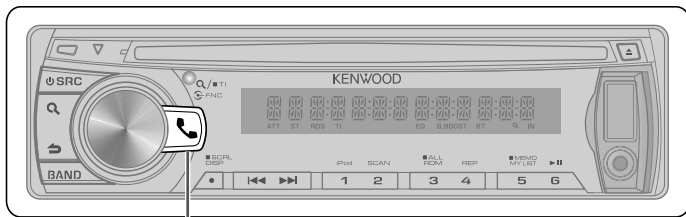
Press to enter Bluetooth mode.

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 DOWNLOAD]**/ **[SMS DL]**, then press to enter.
4 Start downloading
  - During downloading: "DOWNLOADING" is displayed.
  - After completion of downloading: "COMPLETE" is displayed.
5 Hold ◄ to finish the procedure.
- To exit 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 SMS function, the SMS download item in Function Control mode is not displayed.
- When the SMS is downloaded from the cell-phone, the unopened messages in the cell-phone are opened.
- The already-read and unread short messages can be respectively downloaded up to 75.

Display the SMS

⚠️

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

When a new message arrives
"SMS RECEIVED"/ "NEW SMS" 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 exit 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. Download the SMS.
- The short message cannot be displayed during downloading the SMS.
- Unread messages are prefixed with an asterisk (*).

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/ AUDIO CTRL]** 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 3 until the desired item is selected/activated.
   ■ Press ⬑ to return to the previous item.
5 Hold ⬑ to finish the procedure.

[AUDIO CONTROL/ AUDIO CTRL] : 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 BOOST	**B.BOOST LV1 */ B.BOOST LV2:** Selects your preferred bass boost level. ; **OFF:** Cancels.
SYSTEM Q	**NATURAL */ USER/ ROCK/ POPS/ EASY/ TOP40/ JAZZ/ GAME:** Selects a preset sound mode suitable to the music genre. (Selects **[USER]** to use the customized bass, middle, and treble settings.)
BASS ADJUST	
BASS CTR FRQ/ BASS C FRQ	**40/ 50/ 60/ 70/ 80/ 100 */ 120/ 150:** Selects the center frequency.
BASS LEVEL	**–8 — 0 * — +8:** Adjusts the level.
BASS Q FACTOR/ BASS Q FCTR	**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/ MID C FRQ	**0.5K/ 1.0K/ 1.5K/ 2.0K *:** Selects the center frequency.
MID LEVEL	**–8 — 0 * — +8:** Adjusts the level.
MID Q FACTOR/ MID Q FCTR	**1.00 */ 2.00:** Adjusts the quality factor.
TRE ADJUST	
TRE CTR FRQ/ TRE C FRQ	**10.0K/ 12.5K */ 15.0K/ 17.5K:** Selects the center frequency.
TRE LEVEL	**–8 — 0 * — +8:** Adjusts the level.
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/ SUB-W SET	**ON *:** Turns on the subwoofer output. ; **OFF:** Cancels.
DETAILED SET/ DETAIL SET	
HPF FRONT	**THROUGH *:** All signals are sent to the front speaker. ; **40/60/80/100/ 120/150/180/220 (HZ):** Frequencies lower than the specified value are cut off.

Item	Selectable setting (Preset: *)
HPF REAR	**THROUGH *:** All signals are sent to the rear speaker. ; **40/60/80/100/ 120/150/180/220 (HZ):** Frequencies lower than the specified value are cut off.
LPF SUBWOOFER/ LPF SUB-W	**THROUGH *:** All signals are sent to the subwoofer. ; **50/60/80/100/120 (HZ):** Frequencies higher than the specified value are cut off.
SUB-W PHASE	**REVERSE/ REV** (180°)/ **NORMAL/ NORM** (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/ LPF SUB-W]**.)
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, a USB device or a SD, except iPod.)
VOLUME OFFSET/ VOL 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, **[BASS ADJUST/ MID ADJUST/ TRE ADJUST]**.

■ **[SUB-W LEVEL/ SUB-W SET/ LPF SUBWOOFER/ LPF SUB-W/ SUB-W PHASE]** is selectable only if **[SWITCH PREOUT/ SWITCH PRE]** is set to **[SUB-W]**. (page 7)

■ **[SUB-W LEVEL/ LPF SUBWOOFER/ LPF SUB-W/ SUB-W PHASE]** is selectable only if **[SUBWOOFER SET/ SUB-W SET]** is set to **[ON]**.

[SETTINGS]

Item	Selectable setting (Preset: *)
AUX NAME SET/ AUX NAME	**AUX */ TV/ VIDEO/ GAME/ PORTABLE/ DVD:** Selects the desired name for the connected component. (Selectable only if "AUX" is selected as the source.)
CLOCK	
CLOCK ADJUST/ CLOCK ADJ	(For details, see page 6.)
TIME SYNC	**ON *:** Synchronizes the Radio Data System station time data and the unit's clock. ; **OFF:** Cancels.
DISPLAY	
DIMMER SET	**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/ DVC STATUS	You can display the connection status, signal strength, and battery level of cell-phone. **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.
TUNER SET	**NEWS SET/ AF SET/ REGIONAL/ AUTO TP SEEK/ ATP SEEK:** Selectable only if any source other than tuner source is selected. (For details, see page 8.)

Installation/connection

Part list:

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

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 30)

3 Install the unit to your car.
➡ <Installing the unit> (page 31)

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 installation.

■ 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 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 wire to a power source with a constant voltage supply, 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 unit is installed, 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 to cause a short circuit, then replace the old fuse with one that has the same rating.

■ Connect the speaker wires correctly to the terminals to which they correspond. 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 drop 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 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.

Fuse (10A)

FM/AM antenna input (JASO)

Antenna Cord

Rear output/ Sub Woofer output switchable (page 7)

Microphone (KCA-MC10 ; optional accessory) (KDC-BT41U only)

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.
(Connect to the terminal that is grounded when either the telephone rings or during conversation. KDC-4751SD only)

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.

Yellow (Battery wire)

Red (Ignition wire)

Red (A–7 Pin)

Yellow (A–4 Pin)

Connector A

Connector B

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)
Unit

Red (A–7 Pin)
Vehicle

Yellow (Battery wire)

Yellow (A–4 Pin)

Default wiring

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)

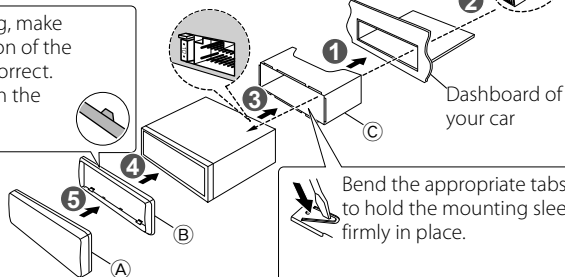**30** English

Installing the unit

1
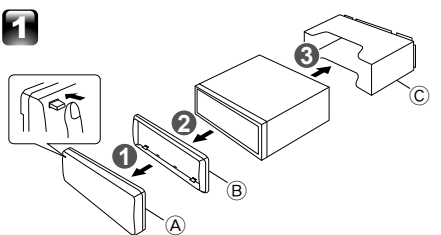
Connect the wiring harness to the unit. Other wiring connection has been completed earlier. (page 30)

Ⓒ
Ⓑ
Ⓐ

Ⓓ

2

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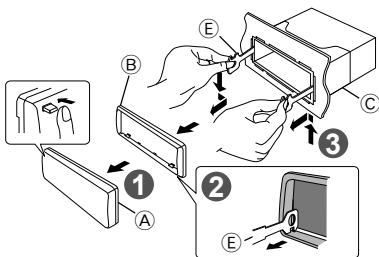
Dashboard of your car

Ⓒ
Ⓑ
Ⓐ

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.

Ⓔ
Ⓑ
Ⓒ
Ⓐ
Ⓔ

## Installation the Microphone Unit (KCA-MC10 ; optional accessory) (KDC-BT41U only)

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.

Select the external microphone
Set "SETTINGS" > "DETAILED SET" > "MIC SELECT" to "EXT" in BT mode. (page 23)

KCA-MC10
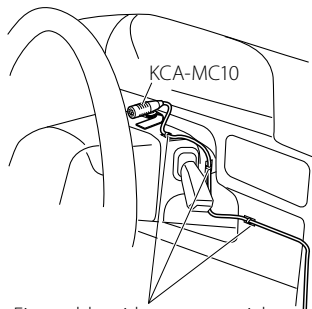
Fix a cable with a commercial item of tape.
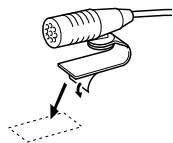
Peel the release coated paper of double-face adhesive tape to fix on the place shown above.

Adjust the direction of the microphone to 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" or "ERROR 15" appears.	The connected USB device or inserted SD card contains no playable audio file. / Media was played that does not have data recorded that the unit can play.
"NA DEVICE" appears.	■ Connect a supported USB device, and check the connections. ■ Check that the supported SD card is inserted.
"USB ERROR" appears.	Remove the USB device, turn the unit off, then turn it on again. If the unit still showing the same display, try to connect another USB device.
"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.

Symptom	Remedy/Cause
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 22).
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 22) 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.
"NO ENTRY" appears.	The cell-phone has not been registered (pairing).
"HF DISCONCT" appears.	The unit cannot communicate with the cell-phone.
"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.
"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 MARCHING" appears.	The voice tag is wrong. Voice cannot be recognized because of an unregistered voice tag, etc.
"TOO SOFT" appears.	Voice is too small and cannot be recognized.
"TOO LOUD" appears.	Voice is too large to be recognized.
"TOO LONG" appears.	The word or utterance is too long to be recognized.
"NO PHONEBOOK" appears.	Data is not contained in the phone book.
"NO MESSAGE" appears.	No short message in In Box.
"NO RECORD" appears.	The voice tag is not registered in the phone book.
"MEMORY FULL" appears.	The number of voice tags reaches the maximum number to be registered in the phone book.
"NO VOICE" appears.	No call.
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 – 281 kHz
Usable sensitivity (S/N = 20dB): 57 μV

CD player section
Laser diode: GaAlAs
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): 20 Hz — 20 kHz
Total harmonic distortion (1 kHz): 0.01 %
Signal-to-Noise ratio (1 kHz): 105 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: 500 mA
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 (KDC-4751SD only)
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 (KDC-BT41U/ KDC-BT31U only)
Technology: Bluetooth Ver. 2.0 Certified
Frequency: 2.402 – 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),
SPP (Serial Port Profile),
HSP (Headset Profile),
OPP (Object Push Profile),
PBAP (Phonebook Access Profile),
SYNC (Synchronization 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:
KDC-BT41U/ KDC-BT31U: (10.5 V — 16 V allowable): 14.4 V
KDC-4751SD: (11 V — 16 V allowable): 14.4 V
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.

This symbol mark indicates that Kenwood manufactured this product so as to decrease harmful influence on the environment.

Declaration of Conformity with regard to the EMC Directive 2004/108/EC
For KDC-BT41U/ KDC-BT31U
Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC
Manufacturer:
Kenwood Corporation
2967-3 Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525 Japan
EU Representative's:
Kenwood Electronics Europe BV
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

English

Hereby, Kenwood declares that this unit KDC-BT41U/ KDC-BT31U 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-BT41U/ KDC-BT31U est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Par la présente, Kenwood déclare que ce KDC-BT41U/ KDC-BT31U 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-BT41U/ KDC-BT31U 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-BT41U/ KDC-BT31U mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richitlinie 1999/5/EG. (Wien)

Nederlands

Hierbij verklaart Kenwood dat het toestel KDC-BT41U/ KDC-BT31U in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Bij deze verklaat Kenwood dat deze KDC-BT41U/ KDC-BT31U 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-BT41U/ KDC-BT31U 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-BT41U/ KDC-BT31U cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Português

Kenwood declara que este KDC-BT41U/ KDC-BT31U está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Polska

Kenwood niniejszym oświadcza, że KDC-BT41U/ KDC-BT31U spełnia zasadnicze wymogi oraz inne istotne postanowienia dyrektywy 1999/5/EC.

Český

Kenwood timto prohlasuje, ze KDC-BT41U/ KDC-BT31U 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-BT41U/ KDC-BT31U megfelel az 1999/5/EC irányelvben meghatározott alapvető követelményeknek és egyéb vonatkozó előírásoknak.

Svenska

Härmed intygar Kenwood att denna KDC-BT41U/ KDC-BT31U stär I överensstämelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgär av direktiv 1999/5/EG.

Suomi

Kenwood vakuuttaa täten että KDC-BT41U/ KDC-BT31U 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-BT41U/ KDC-BT31U v skladu z osnovnimi zahtevami in ostalimi ustreznimi predpisi Direktive 1999/5/EC.

Slovensky

Spoločnosť Kenwood týmto vyhlasuje, že KDC-BT41U/ KDC-BT31U spĺňa zákldné požiadavky a ďalšie prislušné ustanovenia Direktívy 1999/5/EC.

Dansk

Undertegnede Kenwood erklærer harved, at følgende udstyr KDC-BT41U/ KDC-BT31U overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Ελληνικά

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Kenwood ΔΗΛΩΝΕΙ ΟΤΙ KDC-BT41U/ KDC-BT31U ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

Eesti

Sellega kinnitab Kenwood, et see KDC-BT41U/ KDC-BT31U vastab direktiivi 1999/5/EC põhilistele nõudmistele ja muudele asjakohastele määrustele.

Latviešu

Ar šo, Kenwood, apstiprina, ka KDC-BT41U/ KDC-BT31U atbilst Direktīvas 1999/5/EK galvenajām prasībām un citiem tās nosacījumiem.

Lietuviškai

Šiuo, Kenwood, pareiškia, kad šis KDC-BT41U/ KDC-BT31U atitinka pagrindinius Direktyvos 1999/5/EB reikalavimus ir kitas svarbias nuostatas.

Malti

Hawnhekk, Kenwood, jiddikjara li dan KDC-BT41U/ KDC-BT31U jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Українська

Компанія Kenwood заявляє, що цей виріб KDC-BT41U/ KDC-BT31U відповідає ключовим вимогам та іншим пов'язаним положенням Директиви 1999/5/EC.

Turkish

Kenwood, işbu belge ile KDC-BT41U/ KDC-BT31U numaralı bu ünitenin 1999/5/EC Direktifi'nin özel gereksinimlerine ve ilgili diğer hükümlerine uygun olduğunu beyan eder.

For Turkey

Bu ürün 26891 sayılı 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".

KENWOOD