

KENWOOD

CD-RECEIVER

KDC-BT850RN


INSTRUCTION MANUAL

For instruction of KDC-BT850RN, please refer to KDC-BT6044.

Kenwood Corporation



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Before use

▲WARNING

To prevent injury or fire, take the following precautions:

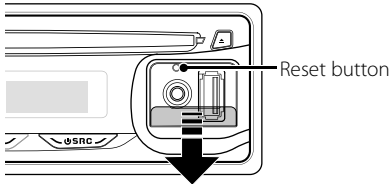
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.

Before using this unit for the first time

This unit is initially set on the Demonstration mode. When using this unit for the first time, cancel the <Demonstration mode Setting> (page 20).

How to reset your unit

- If this unit or the connected unit (disc auto changer, etc.) fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.



Cleaning the Unit

If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth. If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.



- Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erase characters.

Cleaning the Faceplate Terminals

If the terminals on the unit or faceplate get dirty, wipe them with a clean soft dry cloth.

Lens Fogging

When you turn on the car heater in cold weather, dew or condensation may form on the lens in the CD player of the unit. Called lens fogging, this condensation on the lens may not allow CDs to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your Kenwood dealer.

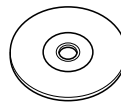
- If you experience problems during installation, consult your Kenwood dealer.
- When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
- The characters which can be displayed by this unit are A-Z 0-9 @ " ' ` % & * + - = , . / \ < > [] () ; : ^ - { } | ~ .
- The RDS feature won't work where the service is not supported by any broadcasting station.
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable.

Handling CDs

- Do not touch the recording surface of the CD.
- Do not stick tape etc. on the CD, or use a CD with tape stuck on it.
- Do not use disc type accessories.
- Clean from the center of the disc and move outward.
- When removing CDs from this unit, pull them out horizontally.
- If the CD center hole or outside rim has burrs, use the CD only after removing the burrs with a ballpoint pen etc.

CDs that cannot be used

- CDs that are not round cannot be used.



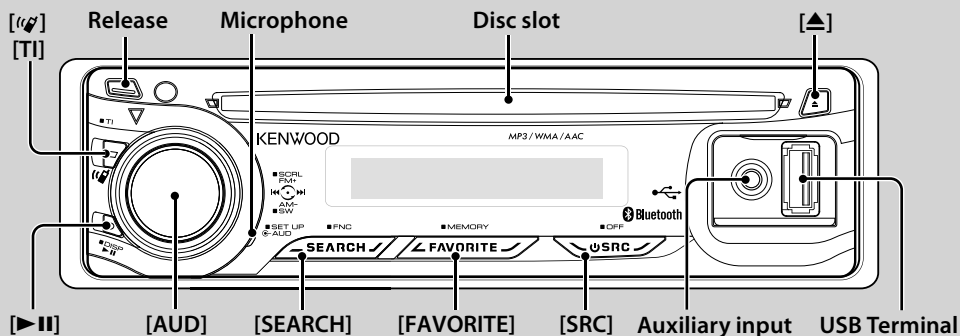
- CDs with coloring on the recording surface or CDs that are dirty cannot be used.

- This unit can only play the CDs with 

This unit may not correctly play discs which do not have the mark.

- You cannot play a CD-R or CD-RW that has not been finalized. (For the finalization process refer to your CD-R/CD-RW writing software, and your CD-R/CD-RW recorder instruction manual.)

Basic Operation



General functions

Power/Source Select button: [SRC]

Turns on the power.

When the power is on, the source switches between Tuner ("TUNER"), USB or iPod* ("USB" or "iPod"), CD ("CD"), Auxiliary input ("AUX"), and Standby ("STANDBY") each time this button is pressed. Press at least 1 second to turn off the power.



- When an optional accessory is connected, the source name for each device appears.
- When connection of the iPod is recognized, the source display changes from "USB" to "iPod".
- * Function of KDC-BT6544U/ BT6544UY/ W5544U/W5644U.

Volume control: [AUD] knob

Turn the knob to adjust the volume.

Subwoofer output: [AUD] knob

Switches between ON ("SUBWOOFER ON") and OFF ("SUBWOOFER OFF") each time pushing toward down for at least 2 seconds.

- You can do this function when "SWPRE" in <Function Control> (page 6) is set to "SW".

Auxiliary input

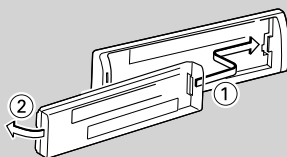
Connect a portable audio device with mini-plug cable (3.5 \emptyset).



- Use the mini-plug cable which is stereo type and does not have any resistance.
- The auxiliary input requires the setting made in "MENU" > "AUX" of <Function Control> (page 6).

Faceplate release: Release

Releases the faceplate lock so that it can be removed. Refer to the following diagram when reattaching the faceplate.



- The faceplate is a precision piece of equipment and can be damaged by shocks or jolts.
- Keep the faceplate in its faceplate case while detached.
- Do not place the faceplate (and the faceplate case) in areas exposed to direct sunlight, excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- To prevent deterioration, do not touch the terminals of the unit or faceplate with your fingers.

Text/Title scroll: [AUD] knob

Scrolls the CD, audio file, and Radio text display when pushing toward up for at least 2 seconds.

Muting volume upon reception of phone call (Function of KDC-W5544U/ W5644U)

When there is a call, "CALL" is displayed and the audio system is paused.

When the call ends, "CALL" disappears and the audio system comes back on.

The audio system comes back on when [SRC] is pressed during a call.



- To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory. Refer to <Connecting Wires to Terminals> (page 40).

Function Control: [SEARCH]

Press this button for 1 second allows you to set various functions using the [AUD] knob. Refer to <Function Control> (page 6).

Category	Function of setup item
AUTO MEMORY	Putting stations with good reception in the memory automatically.
iPodCTRL* ¹	Allows you to set up iPod Control by Hand Mode.
PLAY MODE	Allows you to set up the play mode.
DSP* ²	Allows you to set up the sound environment.
MENU	Allows you to set up the environment.
RETURN	Exit Function Control mode.

*¹ Function of KDC-BT6544U/ BT6544UY/ W5544U/ W5644U.

*² Function of KDC-BT6544U/ BT6544UY.

Favorite Control: [FAVORITE]

Registers to or retrieves from the memory the operation procedure to select your favorite broadcast station or iPod Playlists/ Artists, etc regardless of the selected source. Refer to <Favorite Control>(page 26).

Tuner functions

FM band: [AUD] knob

Switches between FM1, FM2, and FM3 each time pushing toward up.

AM band: [AUD] knob

Switches to AM when pushing toward down.

Tuning: [AUD] knob

Changes the frequency when pushing toward left or right.



- Use the "MENU" > "SEEK" of <Function Control> (page 6) to change the frequency switching.
- During reception of stereo stations the "ST" indicator is ON.

Traffic information: [TI]

• For KDC-BT6544U/ BT6544UY/ BT6044/BT6144: Turns ON or OFF the Traffic Information function when pressing for at least 2 seconds.

• For KDC-W5544U/W5644U: Turns ON or OFF the Traffic Information function when pressing.

When the function is turned ON, "TI" indicator is ON.

If traffic bulletin starts when the function is ON, "TRAFFIC" is displayed and traffic information is received.



- If the volume is adjusted during reception of traffic information, the adjusted volume is memorized automatically. The memorized volume will be applied next time the Traffic Information function is turned ON.

Disc & Audio file play functions

Disc play: Disc slot

Starts playing when a disc is inserted.

When a CD is inserted, the "IN" indicator is ON.



- 3 inch (8 cm) CD cannot be used. Attempt to insert using an adapter can cause malfunction.

Disc ejection: [▲]



- You can eject the disc for 10 minutes after switching off the engine.

USB device/iPod play: USB Terminal

(Function of KDC-BT6544U/ BT6544UY/ W5544U/ W5644U)

Connecting a USB device starts playback.



- For the playable audio file, media, and devices, refer to <About Audio file> (page 35).

Pause and play: [▶ II]

Switches between pause and play each time this button is pressed.

USB device removing: [▲]

Press this button for 2 seconds or longer to select the remove mode, and the remove the USB device.

During the remove mode, "USB REMOVE" is displayed.

Music search: [AUD] knob

Changes the music when pushing toward left or right.

Fast reverses or forwards the music while keeping pushing toward left or right. (No sound is output while playing audio file.)

Folder search: [AUD] knob

Changes the folder containing the audio file when pushing toward up or down.

- For the operation on iPod, enter <Music Search for iPod> (page 11) is first to enter the search mode.

Search mode: [SEARCH]

After pressing [SEARCH] button, you can quickly search songs with the [AUD] knob. See <Music Search> (page 11) for details.

Hands-free phoning

Microphone:












(Function of KDC-BT6544U/ BT6544UY/ BT6044/BT6144)

The microphone for the hands free phone is built in.

When your voice cannot be recognized due to the low microphone volume or noises in the vehicle, adjust the microphone settings by selecting "MENU" > "MIC GAIN" of <Function Control> and "MENU" > "NR LEVEL" of <Function Control> (page 6).

Function Control

Functions in the table below can be set up by using Function Control.

Category	Item	Setting	Entry	Setting overview	Condition	Page
AUTO MEMORY	"AUTO MEMORY"			Memorizes 6 stations with good reception automatically.	Tuner	14
iPodCTRL *1, 3	"iPodCTRL"	"ON"/"OFF"*		When set to "ON", allows you to operate iPod with the control on the iPod.	iPod	12
PLAY MODE*5	"FILE SCN"	"ON"/"OFF"*		When set to "ON", plays the intro of the music in the folder successively.	AF-2	—
	"FOLD RDM"	"ON"/"OFF"*		When set to "ON", plays the music in the folder randomly.	AF-1	—
	"ALL RDM"	"ON"/"OFF"*		When set to "ON", all songs in iPod are played at random.	iPod	12
	"FILE REP"	"ON"/"OFF"*		When set to "ON", plays the music repeatedly.	AF-1	—
	"FOLD REP"	"ON"/"OFF"*		When set to "ON", plays the music in the folder repeatedly.	AF-2	—
	"TRAC SCN"	"ON"/"OFF"*		When set to "ON", plays the intro of the music on the disc successively.	DISC	—
	"DISC RDM"	"ON"/"OFF"*		When set to "ON", plays the music on the disc randomly.	DISC	—
	"MGZN RDM"	"ON"/"OFF"*		When set to "ON", plays the music in the disc changer randomly.	CH	—
	"TRAC REP"	"ON"/"OFF"*		When set to "ON", plays the music repeatedly.	DISC	—
	"DISC REP"	"ON"/"OFF"*		When set to "ON", plays the music on the disc repeatedly.	CH	—
DSP*1	"CONTROL" "EQ"			Sets the sound quality.	SB	24
	"BASS BOOST"	"OFF"/ "STEP1"/"2"		Sets the Bass Boost level in two steps.	SB	—
	"HIGHWAY-SND"	"OFF"/ "STEP1"/"2"/ "3"*		Compensates the low volume or bass sound being lost by road noises to make vocal sound clearer.	SB	*6
	"SUPREME"	"ON"/"OFF"*		Turns ON/OFF the Supreme plus function.	AF-1	*6
	"POSITION"			Compensates the sound environment in accordance with the listening position.	SB	24
"SETUP"	"CABIN"	"COMPACT" etc.		Selects the car type to compensate the distance difference between each speaker.	SB	23
	"SPEAKER"			Sets the connected speaker, speaker size, and installation position.	SB	23
	"DTA"			Makes fine adjustment of the compensation value specified at Cabin.	SB	23
	"X'OVER"			Makes fine adjustment of the X'Over value specified at Speaker.	SB	24
"PRESET"	"RECALL"			Registering the value setup by Sound Control. Recalling the sound setup registered by <Audio Preset Memory>.	SB	25
	"MEMORY"			Registering the value setup by Sound Control.	SB	25
	"DSP BYPASS"/ "DSP THROUGH"*			Setting "BYPASS" passes the DSP function. Setting "THROUGH" activates the DSP function.	SB	—

*Factory setting

*1 Function of KDC-BT6544U/ BT6544UY.

*2 Function of KDC-BT6044/ BT6144.

*3 Function of KDC-W5544U/ W5644U.

*4 Function of KDC-BT6544UY/ BT6144/ W5644U.

















*5 iPod play mode cannot be set when <iPodCTRL> is set to "OFF".

*6 Refer to <Menu Glossary> (page 36).

Category	Item	Setting	Entry	Setting overview	Condition	Page
MENU	"SECURITY SET"/"SECURITY CLR"		1 sec.	Sets/Resets security code.	SB	19
	"SKIP SRCH" ^{*1, 3}	"0.5%" [*] / "1%" [*] / [*] "5%" [*] / "10%" [*]		Sets the ratio of skip performed with <Music Search for iPod>.	iPod	11
	"DVC REGIST" ^{*1, 2}		1 sec.	Register a Bluetooth device (pairing).	SB	28
	"S-DVC SELECT" ^{*1, 2}		1 sec.	Allow registration of a special device that cannot be registered normally.	SB	28
	"PHONE SEL" ^{*1, 2}		1 sec.	Select a cell-phone subject to hands-free connection.	SB	29
	"SMS DOWNLOAD" ^{*1, 2}		1 sec.	Download a short message.		32
	"SMS INBOX" ^{*1, 2}		1 sec.	Display the received short message.		31
	"VOICE TAG" ^{*1, 2}		1 sec.	Registers voice for voice recognition and voice to select the Phone number category in Phonebook.	Phone	30, 31
	"VOICE RECOG" ^{*1, 2}		1 sec.	Calls by recognizing the registered voice.	Phone	18
	"DEVICE DEL" ^{*1, 2}		1 sec.	Cancel registration of the Bluetooth device.	SB	30
	"DVC STATUS" ^{*1, 2}		1 sec.	Display the status of the Bluetooth device.	—	*6
	"PIN EDIT" ^{*1, 2}		1 sec.	Specify the PIN code required when registering this unit using the Bluetooth device.	SB	28
	"AUTO ANS" ^{*1, 2}	"OFF"/"0S" [*] — "8S" [*] —"99S" [*]		Answer a call automatically after lapse of the preset time interval for automatic answer.	SB	*6
	"MIC GAIN" ^{*1, 2}	"-2"—"0" [*] — "+2"		Adjusts the sensitivity of the built-in microphone for a telephone call.	—	*6
	"NR LEVEL" ^{*1, 2}	"-2"—"0" [*] — "+2"		Reduces the noises generated by the surrounding environment without changing the microphone volume.	—	*6
	"SP SEL" ^{*1, 2}	"FRONT" [*] / "F-R"/"F-L"		Specify the voice output speaker.	SB	*6
	"CALL BEEP" ^{*1, 2}	"ON" [*] / [*] "OFF"		Output a beep from the speaker when a call comes in.	SB	*6
	"BT F/W UPDATE" ^{*1, 2}		1 sec.	Display the firmware version and update the firmware.	SB	30
	"BEEP" ^{*1, 2}	"OFF"/"ON" [*]		Setting the operation check sound (beep sound) ON/ OFF.	SB	—
	"CLOCK ADJUST"		1 sec.	Sets the clock.	—	20
	"SYNC"	"OFF"/"ON" [*]		Synchronizing the RDS station time data and this unit's clock.	SB	20
	"DISPLAY"	"OFF"/"ON" [*]		Turns off the display when no operation is performed.	—	*6
	"DIMMER"	"OFF"/ "AUTO" [*]		Dims the display part in conjunction with the light switch of the vehicle.	SB	—
	"IL EFFECT"	"OFF"/"ON" [*]		Sets whether the key illumination brightness is changed in conjunction with the key operation.	SB	—
	"DOT LINE"	"OFF"/"ON" [*]		Specifies whether to display the red dotted line on the display.	SB	—

Next page ►

Function Control

Category	Item	Setting	Entry	Setting overview	Condition	Page
MENU	"SWPRE"*2, 3	"REAR"*/ "SUB-W"		Sets the preout output.	SB	*6
	"AMP"*1, 2	"OFF"/"ON"*		Turns on/off the built-in amplifier.	SB	*6
	"ZONE2"	"REAR"*/ "FRONT"		Specifies the destination of AUX input sound when the Dual Zone function is turned on.	2ZONE	*6
	"SUPREME"*2, 3	"OFF"/"ON"*		Turns ON/OFF the Supreme function.	AF2	*6
	"NEWS"	"OFF"*/"00" —"90"		Turns ON/OFF the News Bulletin Automatic Reception function and sets the news bulletin interrupt disabled time.	SB	*6
	"LOCAL S"	"OFF"*/"ON"		Only stations whose reception is good are searched in auto seek tuning.	FM	—
	"SEEK"	"AUTO1"*/ "AUTO2"*/ "MANUAL"		Selects the tuning mode of the radio.	Tuner	5, *6
	"AF"	"OFF"/"ON"*		When station reception is poor, automatically switches to the station that is broadcasting the same program over the same RDS network.	FM	*6
	"REGIONAL"	"OFF"/"ON"*		Sets whether to switch to the station only in the specific region using the "AF" control.	FM	—
	"ATPS"	"OFF"/"ON"*		When traffic information station reception is poor, automatically searches for a station that can be received better.	FM	—
	"MONO"	"OFF"/"ON"*		You can reduce the noise when stereo broadcasts are received as monaural.	FM	—
	"NAME SET"		1 sec.	Sets the display when switched to AUX source.	AUX	10
	"RUSSIAN"*4	"OFF"/"ON"*		Selects Russian as the display language.	SB	*6
	"SCROLL"	"AUTO"/ "MANUAL"*		When set to "AUTO", scrolls the screen once with the change of the displayed text.	—	4
	"FAV DELETE"		1 sec.	Deletes Favorite Preset Memory.	SB	26
	"AUX"	"OFF"/ "ON1"*/ "ON2"		Sets whether to display AUX during source selection.	SB	*6
	"POWER OFF"	"-----"/ "20M"*/ "40M"/"60M"		Turns off the power when the preset time has lapsed in the Standby mode.	SB	*6
	"CD READ"	"1"*/"2"		Sets the CD read mode.	SB	*6
	"AUDIO PRESET"*2, 3		1 sec.	Presets the setting value of the audio control. The preset value is retained after resetting.	SB	22
	"DEMO MODE"	"OFF"/"ON"*	2 sec.	Specifies whether to enable demonstration.	—	20

*Factory setting

*1 Function of KDC-BT6544U/ BT6544UY.

*2 Function of KDC-BT6044/ BT6144.

*3 Function of KDC-W5544U/ W5644U.

*4 Function of KDC-BT6544UY/ BT6144/ W5644U.

*5 iPod play mode cannot be set when <iPodCTRL> is set to "OFF".

*6 Refer to <Menu Glossary> (page 36).

Displayed item is depending on currently selected source or mode. The mark in Condition column shows the condition to which the item is displayed.

- SB** : Can be set in other than standby state.
- SB** : Can be set in standby state.
- AF₁** : Can be set while Audio file source of CD/USB/iPod.
- AF₂** : Can be set while Audio file source of CD/USB (excluding iPod).
- DISC** : Can be set while CD/ Disc changer source.
- CH** : Can be set while Disc changer source.
- Tuner** : Can be set during Tuner source.
- FM** : Can be set during FM reception.
- AUX** : Can be set while accessing AUX source.
- iPod** : Can be set only during playback of the iPod source. (USB source used when the iPod is connected)
- 2ZONE** : Can be set for sources other than the standby source by setting "2_ZONE" of <Audio Setup> (page 21) to "ON".
- Phone** : Can be set while a cell-phone is connected.
- : Refer to the reference page.
- : Can be set during all sources.



- Refer to the respective page for information on how to set the items with reference page number.
- Only the items available to the current source are displayed.

1 Enter Function Control mode

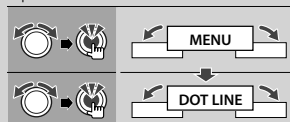
Press the [SEARCH] button for at least 1 second. "FUNCTION" is displayed.

2 Select your desired setup item

Operation type	Operation
Movement between items	Turn the [AUD] knob.
Selection of item	Press the [AUD] knob.
Return to previous item	Press the [SEARCH] button.

Repeat selection and determination until your desired setup item is selected.

Example:





In this manual, the above selection is indicated as

Select "MENU" > "DOT LINE".

3 Make a setting

Press the [AUD] knob or turn the [AUD] knob to select a setting value, and then press the [AUD] knob.

- The value of items with  mark can be set by press the [AUD] knob.
- The value of items with  mark can be set by pushing the [AUD] knob towards right or left.
- Some items require you to keep pressing the [AUD] knob for 1 or 2 seconds so that you can make a setting. For these items, the time during which you need to keep pressing the [AUD] knob is displayed in the Entry column in seconds.
- For the functions accompanied by the description of the setting procedure and so forth, the reference page numbers are displayed.

4 Exit Function Control mode

Press the [SEARCH] button for at least 1 second.

Display Settings

Text Display Selection

Changes displayed information on each source following;

In Tuner source

Information	Display
Program Service name or Frequency	"FREQUENCY/PS"
Radio text, Program Service name or Frequency	"RADIO TEXT"
Clock	"CLOCK"

In CD & External disc source

Information	Display
Disc title	"DISC TITLE"
Track title	"TRACK TITLE"
Play time & Track number	"P-TIME"
Clock	"CLOCK"

In Audio file/ iPod source

Information	Display
Music title & Artist name	"TITLE/ARTIST"
Album name & Artist name	"ALBUM/ARTIST"
Folder name	"FOLDER NAME"
File name	"FILE NAME"
Play time & Music number	"P-TIME"
Clock	"CLOCK"

In Standby/ Auxiliary input source

Information	Display
Source name	"SOURCE NAME"
Clock	"CLOCK"

1 Enter Switching Display mode

Press the [▶II] button for at least 1 second.

"DISPLAY SEL" is displayed.

2 Select the Display item

Turn the [AUD] knob.

3 Exit Switching Display mode

Press the [▶II] button.



- When you select the clock display, the display setting of each source will be changed to the clock display.
- If the selected display item does not have any information, alternative information is displayed.
- When selecting "FOLDER NAME" while playing with iPod, names will be displayed depending on currently selected browsing items.
- If the iPod Control by Hand Mode is set to on while playing the iPod, "iPod BY HAND" is displayed.
- If all characters cannot be displayed while playing with iPod, the file number in the list is displayed.

Information	Display
Music title	"TITLE****"
Folder name	"FLD****"
File name	"FILE****"

Auxiliary Input Display Setting

Selects the display when changing to Auxiliary input source.

1 Select Auxiliary input display setting item during Menu mode (In AUX mode)

Select the "NAME SET" display.

For how to select Function Control items, refer to <Function Control> (page 6).

2 Enter Auxiliary input display setting mode Press the [AUD] knob for at least 1 second.

The presently selected Auxiliary input display is displayed.

3 Select the Auxiliary input display Turn the [AUD] knob.

"AUX"/"DVD"/"PORTABLE"/"GAME"/"VIDEO"/"TV"

4 Exit Auxiliary input display setting mode Press the [SEARCH] button.



- When operation stops for 10 seconds, the name at that time is registered, and the Auxiliary input display setting mode closes.
- The Auxiliary input display can be set only when the built-in auxiliary input or the auxiliary input of optional KCA-S220A is used. On the KCA-S220A, "AUX EXT" is displayed by default.

Music disc/Audio file Operation

Function of Audio file/ Internal CD source

Music Search

Selecting the music you want to listen to from the device or media being played now.

1 Enter Music Search mode

Press the [SEARCH] button.

"SEARCH" is displayed.

Displays the current Audio file name.

2 Search for music

Audio file

Operation type	Operation
Movement between folders/files	Turn the [AUD] knob or push it towards up or down.
Selection of folder/file	Press the [AUD] knob or push it towards right.
Return to previous folder	Push the [AUD] knob towards left.
Return to root folder	Push the [AUD] knob towards left for at least 1 second.

"<" or ">" beside the displayed folder name indicates that this folder is preceded or followed by another folder.

When file name is displayed, "*" is added at the end.

Internal CD source

Operation type	Operation
Movement between track	Turn the [AUD] knob or push it towards up or down.
Selection of track	Press the [AUD] knob.
Return to first track	Push the [AUD] knob towards left for at least 1 second.

Cancelling the Music Search mode

Press the [SEARCH] button.



- Music Search cannot be performed during Random play or scan play.

Function of iPod

Music Search for iPod

Search for the song (in iPod) you want to play.

1 Enter Music Search mode

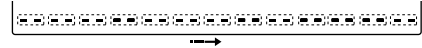
Press the [SEARCH] button.

"SEARCH" is displayed.

2 Search for music

Operation type	Operation
Movement between items	Turn the [AUD] knob.
Skip Search *1	Push the [AUD] knob towards right or left.
Selection of item	Press the [AUD] knob.
Return to previous item	Push the [AUD] knob towards up.
Return to Top menu	Push the [AUD] knob towards up for at least 1 second.
Search by initial	Press the [SEARCH] button for at least 1 second.

The position of the currently displayed item is indicated by the icon bar in 13 steps.



Cancelling the Music Search mode

Press the [SEARCH] button.

Searching for Music by Initial

You can select an alphabetic character from the list in the browse item (artist, album, etc.) selected now.

1 Enter alphabet search mode

Press the [SEARCH] button for at least 1 second.

"A B C ..." is displayed.

- If you can not search for a song by an alphabetic character in the browse item selected now, the data on the screen does not change.

2 Select the initial to be searched for

Operation type	Operation
Move to the next character.	Turn the [AUD] knob or push it towards right or left.
Move to the next row.	Push the [AUD] knob towards up or down.
Cancelling the alphabet search mode	Press the [SEARCH] button.

3 Determine the selected initial.

Press the [AUD] knob.

Start search. When search is completed, the music search mode is selected again at the selected character position.

Cancelling the Searching for Music by Initial

Press the [SEARCH] button for at least 1 second.

Next page ►

Music disc/Audio file Operation



- *1 Skip Search: The number of songs to be skipped is determined by the ratio of the total number of songs in the list which is selected now. Set the ratio with "SKIP SRCH" in <Function Control> (page 6). Keep pushing [AUD] knob for 3 seconds or longer skips songs at 10% irrespective of the setting.
- The time of search by alphabet may become long depending on the number of songs in iPod or the folder structure.
- When selecting an initial in the alphabet search mode, entering "*" searches symbols and entering "1" searches digits.
- If the first character string begins with an article "a", "an", or "the" in the alphabet search mode, it is searched for in defiance of the article.
- Characters that are included in a song name but cannot be displayed are left blank. If no character included in a song name cannot be displayed, the browse item name and digits are displayed.

Items	Display	Items	Display
Playlists	"PLIST****"	Podcasts	"PDC****"
Artists	"ART****"	Genres	"GEN****"
Albums	"ALB****"	Composers	"COM****"
Search by initial	"PRGM****"		

Function of iPod

All Random

All songs in iPod are played at random.

Enter All random mode

Select "PLAY MODE" > "ALL RDM".

For how to select Function Control items, refer to <Function Control> (page 6).



- The time required to turn on the all random function may become longer depending on the number of songs in iPod or the folder structure.
- Turning on the all random function changes the iPod browse item to "SONGS". This browse item will not change even if the all random function is turned off.
- If the browse item is changed to search for music while the all random function is on, the all random function is turned off and the songs in the browse item are played at random.

Function of iPod

iPod Control by Hand Mode

Allows you to operate iPod with the control on the iPod.

Enter iPod Control by Hand Mode Select "iPodCTRL".

For how to select Function Control items, refer to <Function Control> (page 6).



- In the iPod Control by hand mode, iPod cannot be operated using this unit.
- This mode is not compatible with music information display. The display will show "iPod BY HAND".
- iPod can be operated when it conforms to the iPod control function.

Function of remote control

Direct Music Search

Searches the music by entering the track number.

1 Enter the music number

Press the number buttons on the remote control.

2 Search the music

Press the [◀◀] or [▶▶] button.

Canceling Direct Music Search

Press the [▶II] button.



- Direct Music Search cannot be performed during playing of iPod, Random play, or scan play.

Function of disc changers with remote control

Direct Disc Search

Searchs the disc by entering the disc number.

1 Enter the disc number

Press the number buttons on the remote control.

2 Search the disc

Press the [FM+] or [AM-] button.

Cancelling Direct Disc Search

Press the [▶||] button.



- Direct Disc Search cannot be performed during playing of Random play or scan play.
- Input "0" to select disc 10.

Basic Operation of Disc Changer (Optional)

Selecting CD changer source

Press the [SRC] button.

Select the "CD CH" display.

Music search

Push the [AUD] knob towards right or left.

Disc Search

Push the [AUD] knob towards up or down.

Tuner Operation

Auto Memory Entry

Putting stations with good reception in the memory automatically.

1 Enter Auto Memory Entry mode

Select "AUTO MEMORY".

For how to select Function Control items, refer to <Function Control> (page 6).

2 Open Auto Memory Entry

Turn the [AUD] knob to select "YES", and then press the [AUD] knob.

When 6 stations that can be received are put in the memory, auto memory entry closes.



- When "AF" in <Function Control> (page 6) is ON, only RDS stations are put in the memory.

PTY (Program Type)

Selecting the Program Type below and searching for a station;

Program Type	Display	Program Type	Display
Speech	"SPEECH"	Serious Classical	"CLASSICS"
Music	"MUSIC"	Other Music	"OTHER M"
News	"NEWS"	Weather	"WEATHER"
Current Affairs	"AFFAIRS"	Finance	"FINANCE"
Information	"INFO"	Children's programs	"CHILDREN"
Sport	"SPORT"	Social Affairs	"SOCIAL"
Education	"EDUCATE"	Religion	"RELIGION"
Drama	"DRAMA"	Phone In	"PHONE IN"
Culture	"CULTURE"	Travel	"TRAVEL"
Science	"SCIENCE"	Leisure	"LEISURE"
Varied	"VARIED"	Jazz Music	"JAZZ"
Pop Music	"POP M"	Country Music	"COUNTRY"
Rock Music	"ROCK M"	National Music	"NATION M"
Easy Listening Music	"EASY M"	Oldies Music	"OLDIES"
Light Classical	"LIGHT M"	Folk Music	"FOLK M"
		Documentary	"DOCUMENT"

- Speech and Music include the Program type shown below.
Music: Black character item.
Speech: White character item.

1 Enter PTY mode

Press the [SEARCH] button.

Turn the [AUD] knob to select "PTY SEARCH", and then press the [AUD] knob.

2 Select the Program Type

Turn the [AUD] knob or push it towards up or down.

3 Search for the selected Program Type station

Push the [AUD] knob towards right or left.

4 Exit PTY mode

Press the [AUD] button.



- This function cannot be used during a traffic bulletin or AM reception.
- When the selected Program Type is not found, "NO PTY" is displayed. Select another Program Type.

Program Type preset

Putting the Program Type in the preset memory and quick recall.

Presetting the Program Type

1 Select the Program Type to preset

Refer to <PTY (Program Type)> (page 14).

2 Enter Program Type preset mode

Press the [SEARCH] button.

3 Select the number you want to put in the memory

Turn the [AUD] knob or push it towards up or down.

4 Preset the Program Type

Press the [AUD] knob for at least 2 seconds.

5 Exit Program Type preset mode

Press the [SEARCH] button.

Recalling the preset Program Type

1 Enter PTY mode

Refer to <PTY (Program Type)> (page 14).

2 Enter Program Type preset mode

Press the [SEARCH] button.

3 Select the number you want to recall from the memory

Turn the [AUD] knob or push it towards up or down.

4 Recall the Program Type

Press the [AUD] knob.

5 Exit Program Type preset mode

Press the [SEARCH] button.

Changing Language for PTY Function

Selecting the Program Type display language as follows;

Language	Display
English	"ENGLISH"
French	"FRENCH"
German	"GERMAN"

1 Enter PTY mode

Refer to <PTY (Program Type)> (page 14).

2 Enter Changing Language mode

Press the [▶ II] button.

3 Select the language

Turn the [AUD] knob or push it towards up or down.

4 Exit Changing Language mode

Press the [▶ II] button.

Preset Tuning

Recalling the stations in the memory.

1 Enter Preset Tuning Select mode

Press the [SEARCH] button.

2 Select a desired station in the memory

Turn the [AUD] knob or push it towards up or down.

3 Recall the station

Press the [AUD] knob.

Cancelling Preset Tuning

Press the [SEARCH] button.

Function of remote control

Direct Access Tuning

Entering the frequency and tuning.

1 Enter Direct Access Tuning mode

Press the [DIRECT] button on the remote control.

"- - - -" is displayed.

2 Enter the frequency

Press the number buttons on the remote control.

Example:

Desired frequency	Press button
92.1 MHz (FM)	[0], [9], [2], [1]
810 kHz (AM)	[0], [8], [1], [0]

Cancelling Direct Access Tuning

Press the [DIRECT] button on the remote control.



- You can enter the FM band frequency in steps of a minimum of 0.1 MHz.

Operation of hands-free phoning

Before Use

- For details on the Bluetooth cell-phone with the hands-free function, see <About the Cell-Phone> (page 35).
- You need to register your cell-phone before using it with this unit. For more details, see <Registering Bluetooth device> (page 28).
- If you have registered two or more cell-phones, you need to select one of them. For more details, see <Selecting the Bluetooth device You Wish to Connect> (page 29).
- To use the Phone Book, it must be downloaded to this unit in advance. For details, see <Downloading the Phone Book> (page 29).
- "BT" indicator is lit when a cell-phone is connected to this unit.

Receiving a call

Answering a Phone Call

Press the [AUD] button.



- 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 the [SRC] button or press the [(📞)] button for at least 1 second.

During a call

Disconnecting a Call

Press the [SRC] button or press the [(📞)] button for at least 1 second.

Switching to the Private Mode

Press the [▶II] button.

Switches between Private talk ("PRIVATE TALK") and Hands-free talk ("HANDS FREE") each time this button is pressed.



- Depending on the type of your cell-phone, switching to the private talk mode may select the source that was used before commencing the hands-free connection. If this happens, the source cannot be switched back to

the hands-free talk mode by operating this unit. Operate your cell-phone to return to the hands-free talk mode.

Adjusting the Voice Volume during a Call

Turn the [AUD] knob.

Call waiting

Answering Another Incoming Call with the Current Call Suspended

- 1 Press the [AUD] knob.
- 2 Turn the [AUD] knob or push it towards up or down. Select the "ANSWER" display.
- 3 Press the [AUD] knob.

Answering another Incoming Call after Terminating the Current Call

Press the [SRC] button or press the [(📞)] button for at least 1 second.

Continuing the Current Call

- 1 Press the [AUD] knob.
- 2 Turn the [AUD] knob or push it towards up or down. Select the "REJECT" display.
- 3 Press the [AUD] knob.

Answering the Waiting Call after Terminating the Current Call

Press the [SRC] button or press the [(📞)] button for at least 1 second.

Switching between the Current Call and Waiting Call

Press the [AUD] knob.

Each pressing of this knob switches the calling party.

Other functions

Clearing the Disconnection Message

Press the [(📞)] button.

"HF DISCONCT" disappears.

Switching between Display Modes

Press the [▶II] button for at least 1 second.

Pressing this button each time switches between name and telephone number.

Making a call

1 Enter dialing method mode

Press the  button.

2 Select a dialing method

Press the [AUD] knob.

“NUMBER DIAL” » “PHONE BOOK1” » “PHONE BOOK2”
» “OUT-CALL” » “IN-CALL” » “MISSED CALLS”


Methods of operations in the above modes are described below.

3 Exit the dialing method mode

Press the  button.

Dial a number

1 Enter dialing method mode

Press the  button.

2 Select the number dial mode

Press the [AUD] knob.

Select the “NUMBER DIAL” display.


3 Enter a phone number

Press the number ([1] – [0]), #[([FM])], *([AM]), or
+([▶▶]) button on the remote controller.

4 Make a call

Press the [DIRECT] button on the remote controller.

To erase the entered phone number digit by digit:


Press the [] button on the remote controller.



- You can input max 32 digits.

Speed dialing (Preset dial)

1 Enter dialing method mode

Press the  button.

2 Press the [AUD] knob.

Select the “NUMBER DIAL” display.

3 Enter preset dial mode

Press the [SEARCH] button.

4 Select the number you want to recall from the memory

Turn the [AUD] knob or push it towards up or down.

5 Press the [AUD] knob.

Phone number is displayed.

6 Make a call

Press the [AUD] knob for at least 1 second.



- You need to register the preset dial number. (page 18)

Calling a number in the Phone Book

1 Enter dialing method mode

Press the  button.

2 Select the Phone Book mode

Press the [AUD] knob.

Select the “PHONE BOOK1” display, proceed to step 3.

Select the “PHONE BOOK2” display, proceed to step 4.

3 Select the initial to be searched for

Operation type	Operation
Move to the next character.	Turn the [AUD] knob or push it towards right or left.
Move to the next row.	Push the [AUD] knob towards up or down.
Determine the selected initial.	Press the [AUD] knob for at least 1 second.

4 Select the name

Operation type	Operation
Move to the next phone number.	Turn the [AUD] knob or push it towards up or down.
Move to the next name.	Push the [AUD] knob towards right or left.

5 Make a call

Press the [AUD] knob for at least 1 second.



- During search, a non-accent character such as “u” is searched for instead of an accent character such as “ü”.

Operation of hands-free phoning

Calling a number in the call log

1 Enter dialing method mode

Press the [] button.

2 Select the call log mode

Press the [AUD] knob.

Select the "OUT-CALL" (outgoing call), "IN-CALL" (incoming call), or "MISSED CALLS" (missed call) display.

3 Select a name or phone number

Turn the [AUD] knob or push it towards up or down.

4 Make a call

Press the [AUD] knob for at least 1 second.



- 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.

Make a voice dialing call

1 Enter voice recognize mode

Select "MENU" > "VOICE RECOG".

For how to select Function Control item, refer to <Function Control> (page 6).

"V-RECOG READY" is displayed.

2 Press the [AUD] knob.

"PB NAME" is displayed.

When a beep is heard, utter the name within 1 second.

3 "PN TYPE" is displayed.

When a beep is heard, utter the category within 1 second.

4 Make a call

Press the [AUD] knob for at least 1 second.

- This step is the same as step 3 of the procedure in <Calling a number in the Phone Book>. You can make a call or select a category.



- If your voice cannot be recognized, a message is displayed. Pressing the [AUD] knob allows you to retry voice input. (page 43)
- Both the name and category requires registration of a voice tag. (page 30)
- Audio sound is not output during voice recognize.

Registering to the Preset Dial Number List

1 Enter the phone number you wish to register

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

2 Enter Preset Memory mode

Press the [SEARCH] button.

3 Select the number to put in the memory

Turn the [AUD] knob or push it towards up or down.

4 Determine the number to put in the memory

Press the [AUD] knob for at least 1 second.

Exit the Preset Memory mode

Press the [SEARCH] button.

Display of phone number type (category)

The category items in the Phone Book are displayed as follows:

Display	Information
"GENERAL"	General
"HOME"	Home
"OFFICE"	Office
"MOBILE"	Mobile
"OTHER"	Other

Other Functions

Activating Security Code



- You can set the Security Code with a 4 digit number of your choice.
- The Security Code cannot be displayed or referenced. Make a note of the Security Code and treasure it up.

1 Select Security Code item during Menu mode (In Standby mode)

"SECURITY SET" is displayed.

For how to select Function Control items, refer to <Function Control> (page 6).

2 Enter Security Code mode

Press the [AUD] knob for at least 1 second.

When "ENTER" is displayed, "CODE" is also displayed.

3 Enter Security Code

Operation type	Operation
Select the digits to enter	Push the [AUD] knob towards right or left.
Select the Security Code numbers	Turn the [AUD] knob or push it towards up or down.

4 Confirm the Security Code

Press the [AUD] knob for at least 3 seconds.

When "RE-ENTER" is displayed, "CODE" is also displayed.

5 Do the step 3 through 4 operation, and reenter the Security Code.

"APPROVED" is displayed.

The Security Code function activates.



- If you enter the wrong Code in steps 3 through 4, repeat from step 3.

6 Exit Security Code mode

Press the [SEARCH] button.

Entering Security Code

The Security Code is required to use the audio unit when the unit is first used after removed from the battery power source or the Reset button is pressed.

1 Turn the power ON.

2 Do the step 3 through 4 operation, and enter the Security Code.

"APPROVED" is displayed.

Now, you can use the unit.

Deactivating Security Code

To deactivate the Security Code function.

1 Select Security Code item during Menu mode (In Standby mode)

Select the "SECURITY CLR" display.

For how to select Function Control items, refer to <Function Control> (page 6).

2 Enter Security Code mode

Press the [AUD] knob for at least 1 second.

When "ENTER" is displayed, "CODE" is also displayed.

3 Enter Security Code

Operation type	Operation
Select the digits to enter	Push the [AUD] knob towards right or left.
Select the Security Code numbers	Turn the [AUD] knob or push it towards up or down.

4 Press the [AUD] knob for at least 3 seconds.

"CLEAR" is displayed.

The Security Code function deactivates.

5 Exit Security Code mode

Press the [SEARCH] button.



- If a wrong security code is entered, "ERROR" is displayed. Enter a correct security code.

Other Functions

Manual Clock Adjustment

1 Select Clock Adjustment item during Menu mode

Select the "CLOCK ADJUST" display.

For how to select Function Control items, refer to <Function Control> (page 6).

2 Enter Clock adjustment mode

Press the [AUD] knob for at least 1 second.

The clock display blinks.

3 Adjusting Clock

Adjustment item	Operation
Hours	Push the [AUD] knob towards up or down.
Minutes	Push the [AUD] knob towards right or left.

4 Exit Clock adjustment mode

Press the [SEARCH] button.



- You can do this adjustment when "MENU" > "SYNC" in <Function Control> (page 6) is set to "OFF".

Demonstration mode setting

Turning the demonstration mode ON/OFF.

1 Select Demonstration item during Menu mode

Select the "DEMO MODE" display.

For how to select Function Control items, refer to <Function Control> (page 6).

2 Set the Demonstration mode

Press the [AUD] knob for at least 2 seconds.

Pressing this button for 2 seconds or longer toggles the setting between "ON" and "OFF".

Audio Adjustments

Audio Control

You can adjust following Audio Control items ;

Adjustment Item	Display	Range
Rear volume	"R-VOLUME"	0 — 35
Subwoofer level	"SUB-W L"	-15 — +15
Bass Boost*	"B.BOOST"	"STEP1"/"STEP2"/"OFF" (The indicator turns on according to the setting.)
System Q*	"NATURAL"/"USER"/ "ROCK"/"POPS"/"EA SY"/"TOP40"/"JAZZ" /"GAME"	Natural/User setting/Rock/ Pops/Easy/Top 40/Jazz/ Game
Bass level*	"BASS L"	-8 — +8
Middle level*	"MID L"	-8 — +8
Treble level*	"TRE L"	-8 — +8
Balance	"BALANCE"	Left 15 — Right 15
Fader	"FADER"	Rear 15 — Front 15

Exit Audio Control mode (Volume control mode)

*Function of KDC-BT6044/BT6144/W5544U/W5644U.



- Source tone memory: You can set Bass, Middle, and Treble for each source.
- "USER": The ranges selected lastly for Bass level, Middle level, and Treble level are recalled automatically.

1 Select the source to adjust

Press the [SRC] button.

2 Enter Audio Control mode

Press the [AUD] knob.

3 Select the Audio item to adjust

Press the [AUD] knob.

4 Adjust the Audio item

Turn the [AUD] knob.

5 Exit Audio Control mode

Press any button.

Press a button other than the [AUD] knob or [▲] button.

Adjusting the detail of Audio Control

You can adjust the following Basic Audio Items in detail: Bass level, Middle level, and Treble level.

Bass level

Adjustment Item	Display	Range
Bass Center Frequency	"BASS F"	40/50/60/70/80/100/120/150 Hz
Bass Q Factor	"BASS Q"	1.00/1.25/1.50/2.00
Bass Extend	"BASS EXT"	OFF/ON

Middle level

Adjustment Item	Display	Range
Middle Center Frequency	"MID F"	0.5/1.0/1.5/2.0 kHz
Middle Q Factor	"MID Q"	1.0/2.0

Treble level

Adjustment Item	Display	Range
Treble Center Frequency	"TRE F"	10.0/12.5/15.0/17.5 kHz

1 Select the Basic Audio item

For how to select Basic Audio items, see <Audio Control> (page 20).

2 Enter Detail adjustment mode of Audio Control

Press the [AUD] knob for at least 1 second.

3 Select the Detail Audio item to adjust

Press the [AUD] knob.

4 Adjust the Detail Audio item

Turn the [AUD] knob.

5 Exit the Detail Audio Control mode

Press the [AUD] knob for at least 1 second.



- When you set the Bass Extend to ON, low frequency response is extended by 20%.
- You can exit the Audio Control mode at anytime by pressing any button except for [AUD] knob or [▲] button.

Audio Setup

You can set Sound system, such as follows;

Adjustment Item	Display	Range
Front High Pass Filter*	"HPF F"	Through/40/60/80/100/120/150/180/220 Hz
Rear High Pass Filter*	"HPF R"	Through/40/60/80/100/120/150/180/220 Hz
Low Pass Filter*	"LPF SW"	50/60/80/100/120/Through Hz
Subwoofer Phase*	"SW PHASE"	Reverse (180°)/ Normal (0°)
Volume offset	"V-OFFSET"	-8 — ±0 (AUX: -8 — +8)
Dual Zone System	"ZZONE"	OFF/ON

*Function of KDC-BT6044/BT6144/W5544U/W5644U.



- Volume offset: Sets each source's volume as a difference from the basic volume.
- Dual Zone System
Main source and sub source (Auxiliary input) output Front channel and Rear channel separately.
- Set up the channel of sub source by "ZONE2" of <Function Control> (page 6).
- Select Main source by [SRC] button.
- Adjust the volume of Front channel by [AUD] knob.
- Adjust the volume of Rear channel by <Audio Control> (page 20) or [▲]/[▼] button on the remote control (page 33).
- The Audio Control has no effect on sub source.

1 Select the source to adjust

Press the [SRC] button.

2 Enter Audio Setup mode

Press the [AUD] knob for at least 1 second.

3 Select the Audio Setup item to adjust

Press the [AUD] knob.

4 Adjust the Audio setup item

Turn the [AUD] knob.

5 Exit Audio Setup mode

Press the [AUD] knob for at least 1 second.

Audio Adjustments

Function of KDC-BT6044/BT6144/W5544U/W5644U

Speaker Setting

Fine-tuning so that the System Q value is optimal when setting the speaker type as follows;

Speaker type	Display
OFF	"SP SEL OFF"
For 5 & 4 in. speaker	"SP SEL 5/4"
For 6 & 6x9 in. speaker	"SP SEL 6x9/6"
For the OEM speaker	"SP SEL OEM"

1 Enter Standby

Press the [SRC] button.

Select the "STANDBY" display.

2 Enter Speaker Setting mode

Press the [AUD] knob.

3 Select the Speaker type

Turn the [AUD] knob.

4 Exit Speaker Setting mode

Press the [AUD] knob.

Function of KDC-BT6044/BT6144/W5544U/W5644U

Audio Preset Memory

Registering the value setup by Sound Control. The memory cannot be erased by the Reset button.

1 Setup Sound Control

Refer to the following operations to setup the Sound Control.

- <Audio Control> (page 20)

- <Audio Setup> (page 21)

2 Enter Audio Preset Memory mode (Other than Standby mode)

Select "MENU" > "AUDIO PRESET".

Press the [AUD] knob for at least 1 second.

For how to select Function Control items, refer to <Function Control> (page 6).

3 Select the Audio Preset Memory

Turn the [AUD] knob.

Select the "MEMORY" display.

4 Determine whether to put the Audio Preset in the memory

Press the [AUD] knob.

5 Put the Audio Preset in the memory

Turn the [AUD] knob to select "YES", and then press the [AUD] knob.

"COMPLETE" is displayed.

6 Exit Audio Preset mode

Press the [SERACH] button twice.



- Register 1 pair of Audio Preset Memory. You cannot register by the source.
- When you press the Reset, all the sources will be the setting value which is registered.
- The following items cannot be registered. Volume, Balance, Fader, Volume offset, Dual Zone System, Rear Volume

Function of KDC-BT6044/BT6144/W5544U/W5644U

Audio Preset Recall

Recalling the sound setup registered by <Audio Preset Memory> (page 22).

1 Select the source

2 Enter Audio Preset Recall mode (Other than Standby mode)

Select "MENU" > "AUDIO PRESET".

Press the [AUD] knob for at least 1 second.

For how to select Function Control items, refer to <Function Control> (page 6).

3 Select the Audio Preset Recall

Turn the [AUD] knob.

Select the "RECALL" display.

4 Determine whether to recall the Audio Preset

Press the [AUD] knob.

5 Recall the Audio Preset

Turn the [AUD] knob to select "YES", and then press the [AUD] knob.

"COMPLETE" is displayed.

6 Exit Audio Preset mode

Press the [SERACH] button twice.



- The User memory of "SYSTEM Q" in <Audio Control> (page 20) is changed to the value which was recalled.
- The source tone memory item of <Audio Control> (page 20) is changed to the value which was recalled by the selected source.

Audio Adjustments (DSP)

Cabin selection

You can compensate the delay of the sound arrival time by selecting your environment from the following car types;

Car type	Display
Not compensating.	"OFF"
Compact car	"COMPACT"
Sedan	"SEDAN"
Station wagon	"WAGON"
Minivan	"MINIVAN"
Sport-utility vehicle	"SUV"
Passenger van	"PAS-VAN"

1 Enter Cabin select mode

Select "DSP" > "SETUP" > "CABIN".

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select the car type

Turn the [AUD] knob and push the center when the desired item is displayed.

3 Exit Cabin select mode

Press the [SEARCH] button.



- You can compensate the distances in more details by using <DTA> (page 23) function.

Speaker Setting

Setting the speaker to be connected, speaker size, and installation position;

Setting speaker	Display	Range
Front "FRONT"	Speaker Location	"LOCATION" "DOOR"/"ON DASH"/ "UND DASH"
	Speaker Size	"SIZE" "SMALL"/"MEDIUM"/"LARGE"
	Tweeter	"TWEETER" "NONE"/"USE"
Rear "REAR"	Speaker Location	"LOCATION" • "DOOR"/"R-DECK" • "2ND ROW"/"3RD ROW" (Minivan/ Passenger van)
	Speaker Size	"SIZE" "NONE"/"SMALL"/"MEDIUM"/ "LARGE"
	Subwoofer "SUB-W"	Speaker Size "SIZE" "NONE"/"SMALL"/"LARGE"

1 Enter Speaker Setting mode

Select "DSP" > "SETUP" > "SPEAKER".

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select the item you want to set

Turn the [AUD] knob and push the center when the desired item is displayed.

3 Set the value

Turn the [AUD] knob and push the center when the desired item is displayed.

4 Exit Speaker Setting mode

Press the [SEARCH] button.

DTA (Digital Time Alignment) setting

Adjusting fine tuning of the speaker position compensation value specified at <Cabin selection> (page 23).

1 Enter DTA setting mode

Select "DSP" > "SETUP" > "DTA".

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select the speaker you want to set

Setting speaker	Display
Front speaker	"FRONT"
Rear speaker	"REAR"
Subwoofer	"SUB-W"

Turn the [AUD] knob and push the center when the desired item is displayed.

3 Set the compensation value of the speaker position

Turn the [AUD] knob and push the center when the desired value is displayed.

Adjust between 0 and 440 cm.

Refer to <Appendix> (page 36) on how to set the compensation value.

4 Exit DTA setting mode

Press the [SEARCH] button.

Audio Adjustments (DSP)

X'Over setting

You can set a X'Over value for the speakers;

Setting speaker	Display	Range
Front "FRONT"	High Pass Filter	"FC"/ "HPF F"
Rear "REAR"	High Pass Filter	"FC"/ "HPF R"
Subwoofer "SUB-W"	Speaker Size Phase	"FC"/ "LPF SW" "FC"/ "SW PHASE"
		THRU (Through) /40 /60 /70 /80 /100 /120 /150 / 180/ 220 Hz THRU (Through) /40 /60 /70 /80 /100 /120 /150 / 180/ 220 Hz 40/ 60/ 70/ 80/ 100/ 120/150 / 180/ 220/ THRU (Through) Hz REVERSE (180°)/ NORMAL (0°)

1 Enter X'Over setting mode

Select "DSP" > "SETUP" > "X'OVER".

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select the item you want to set

Turn the [AUD] knob and push the center when the desired item is displayed.

3 Set the X'Over value

Turn the [AUD] knob and push the center when the desired value is displayed.

4 Exit X'Over setting mode

Press the [SEARCH] button.

Equalizer Control

You can adjust following Equalizer Control items. iPod Equalizer can be set after connecting iPod and selecting "iPod" in <System Q>. Select from the 22 equalizer types;

Adjustment Item	Display	Range
Preset memory "PRESET"	System Q "EQ"	"NATURAL" (Natural) / "USER" / "ROCK" (Rock) / "POPS" (Pops) / "EASY" (Easy) / "TOP40" (Top 40) / "JAZZ" (Jazz) / "GAME" (Game) / "iPod"
Equalizer adjust "MANUAL" / "BAND"	Center Frequency Quality Level	"F0" Refer to the followings. "Q" 0.25/ 0.50/ 1.00/ 2.00 "GAIN" -9/ -7/ -5/ -3/ -2/ -1/ 0/ +1/ +2/ +3/ +5/ +7/ +9

- The frequency which can be selected by each Frequency band is shown below.

Band	Frequency
"BAND1"	60/ 100/ 160/ 250/ 400 Hz
"BAND2"	630/ 1k/ 1.6k/ 2.5k Hz
"BAND3"	4/ 6.3/ 10/ 16 kHz

1 Enter Equalizer Control mode

Select "DSP" > "CONTROL" > "EQ".

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select the item you want to set

Turn the [AUD] knob and push the center when the desired item is displayed.

3 Set the value

Turn the [AUD] knob and push the center when the desired item is displayed.

iPod Equalizer

1. Enter iPod Equalizer mode

Press the [AUD] button.

2. Set the value

Turn the [AUD] knob and push the center when the desired item is displayed.

4 Exit Equalizer Control mode

Press the [SEARCH] button.

Preset position selection

According to the listening position, select the position from the following settings so that the normal position of the sound environment can be compensated in accordance with the selected position;

Compensation seat	Range
Not compensating.	"ALL"
Front-Left seat	"F-L"
Front-Right seat	"F-R"
Front seat	"F-ALL"

1 Enter Position setting mode

Select "DSP" > "CONTROL" > "POSITION" > "PRESET".

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select the seat you want to compensate

Turn the [AUD] knob and push the center when the desired item is displayed.

3 Exit Position setting mode

Press the [SEARCH] button.

Audio Preset Memory

Registering the value setup by Sound Control.

1 Setup Sound Control

Refer to the following operations to setup the Sound Control.

- Cabin selection (page 23)
- Speaker Setting (page 23)
- DTA (Digital Time Alignment) setting (page 23)
- X'Over setting (page 24)
- Equalizer Control (page 24)
- Preset position selection (page 24)

2 Enter Audio Preset Memory mode (Other than Standby mode)

Select "DSP" > "PRESET" > "MEMORY".

Press the [AUD] knob for at least 1 second.

For how to select Function Control items, refer to <Function Control> (page 6).

3 Select the number to put in the memory

Turn the [AUD] knob to select number, and then press the [AUD] knob.

4 Put the Audio Preset in the memory

Turn the [AUD] knob to select "YES", and then press the [AUD] knob.

"COMPLETE" is displayed.

5 Exit Audio Preset Memory mode

Press the [SEARCH] button.



- Register 6 pairs of Audio Preset Memory.
- "USER 1": When you press the Reset, all the sources will be the setting value which is registered.
- "USER 1", "USER 2":
The memory cannot be erased by the Reset button.
- This function cannot be registered when the iPod Equalizer set in <Equalizer Control> (page 24).

Audio Preset Recall

Recalling the sound setup registered by <Audio Preset Memory> (page 25).

1 Select the source

Press the [SRC] button.

2 Enter Audio Preset Recall mode (Other than Standby mode)

Select "DSP" > "PRESET" > "RECALL".

Press the [AUD] knob for at least 1 second.

For how to select Function Control items, refer to <Function Control> (page 6).

3 Select the number to recall in the memory

Turn the [AUD] knob to select number, and then press the [AUD] knob.

4 Recall the Audio Preset

Turn the [AUD] knob to select "YES", and then press the [AUD] knob.

"COMPLETE" is displayed.

5 Exit Audio Preset Recall mode

Press the [SEARCH] button.



- The User memory of "SYSTEM Q" in <Equalizer Control> (page 24) is changed to the value which was recalled.
- The source tone memory item of <Equalizer Control> (page 24) is changed to the value which was recalled by the selected source.

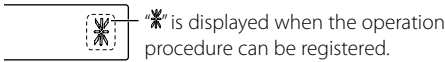
Favorite Control

Preset Memory

Registering the operation procedure to select your favorite broadcast station or iPod Playlists/ Artists, etc.

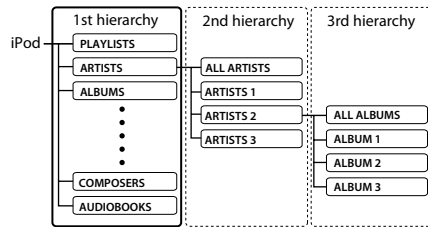
1 Select a desired source to register and setting item.

Source	Setting Item
TUNER	Preset Memory
iPod	List selection screen for Playlists/ Artists/ Albums, etc.
Hands-free phone	Telephone number retrieval.



iPod setting

The desired list in the first hierarchy can be registered.



2 Enter Preset Memory mode

Press the [FAVORITE] button for at least 1 second.

3 Select the number to put in the memory

Turn the [AUD] knob.

4 Put the Preset in the memory

Press the [AUD] knob.

Canceling the Preset Memory mode

Press the [FAVORITE] button.



- Registering the operation procedure to an existing preset number overwrites the existing procedure.
- Register 6 pairs of Favorite Preset Memory. The memory cannot be erased by the Reset button.
- If the items in the second or lower hierarchy are changed, the list in iPod will be changed by adding or deleting songs after the FAVORITE registration. Due to this, the list registered in this unit will be different from the list in iPod. The FAVORITE registration should be performed again after editing the items in iPod.

Preset Recall

Retrieving an item registered to Favorite.

1 Enter Preset Recall mode

Press the [FAVORITE] button.

2 Select the number to recall in the memory

Turn the [AUD] knob.

3 Recall the Audio Preset

Press the [AUD] knob.

Canceling the Preset Recall mode

Press the [FAVORITE] button.



- When iPod is selected for the source, the list selection screen for Playlists/ Artists/ Albums, etc. is displayed. Songs will not be automatically played.

Preset Memory Delete

Deleting an item registered to Favorite.

1 Enter Preset Memory Delete mode

Select "MENU" > "FAV DELETE".

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select the preset number to delete or "ALL" to delete all preset memory numbers.

Turn the [AUD] knob, and then press the [AUD] knob.

"DELETE" is displayed.

3 Delete the selected item registered to Favorite.

Turn the [AUD] knob to select "YES", and then press the [AUD] knob.

"COMPLETE" is displayed.

4 Exit Preset Memory Delete mode

Press the [SEARCH] button.

Name Setting

Giving a name to Preset Memory registered to Favorite.

1 Enter Preset Recall mode

Press the [FAVORITE] button.

2 Retrieve the Preset Memory to change.

Turn the [AUD] knob.

3 Enter Name set mode

Press the [AUD] knob for at least 1 second.

Select the "NAME SET" display.

4 Enter the name

Operation type	Operation
Move the cursor to the enter character position	Push the [AUD] knob towards right or left.
Select the characters	Turn the [AUD] knob or push it towards up or down.

5 Exit Name Setting mode

Press the [AUD] knob.

Canceling the Preset Recall mode

Press the [FAVORITE] button.

Bluetooth Setup

Registering Bluetooth device

To make your Bluetooth device (cell-phone) usable with this unit, you need to register it (pairing). You can register up to five Bluetooth devices to this unit.

When registering from Bluetooth devices

1 Turn on the control unit.

2 Start registering a unit by operating the Bluetooth device

By operating the Bluetooth device, register the hands-free unit (pairing). Select "KENWOOD BT CD/R-3P2" from the list of connected units.

3 Enter a PIN code

Input the PIN code registered as mentioned in <Registering PIN Code> (page 28).

Check that registration is complete on the Bluetooth device.

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

When registering from this unit

1 Enter Bluetooth device registration mode

Select "MENU" > "DVC REGIST".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).

Search for the Bluetooth device.

When search is completed, "FINISHED" is displayed.

2 Select the Bluetooth device

Turn the [AUD] knob or push it towards up or down to select the Bluetooth device.

Press the [AUD] knob to determine the selection.

3 Input the PIN code

Operation type	Operation
Select the numbers.	Turn the [AUD] knob or push it towards up or down.
Move to the next digit.	Push the [AUD] knob towards right.
Delete the last digit.	Push the [AUD] knob towards left.

4 Transmit the PIN code

Press the [AUD] knob for at least 1 second.

If "PAIRING OK" is displayed, registration is completed.

5 Return to the device list

Press the [AUD] knob.

6 Exit Bluetooth device registration

Press the [SEARCH] button.



- This unit allows up to eight digits to be input for a PIN code. If a PIN code cannot be input from this unit, it can be input from the Bluetooth device.
- If there are 5 or more Bluetooth devices registered, you cannot register a new Bluetooth device.
- If the error message appears even though the PIN code is correct, try <Registering Special Bluetooth device> (page 28).

Registering Special Bluetooth device

Allow registration of a special device that cannot be registered normally (pairing).

1 Enter special device registration mode

Select "MENU" > "S-DVC SELECT".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).

A list is displayed.

2 Select a device name

Turn the [AUD] knob or push it towards up or down to select a device name.

Press the [AUD] knob to determine the selection.

If "COMPLETE" is displayed, registration is completed.

3 Go through the procedure of <Registering Bluetooth device> (page 28) and complete the registration (pairing).

Canceling special device registration mode

Press the [SEARCH] button.



- If the device name is not in the list, select "OTHER PHONE".

Registering PIN Code

By operating the Bluetooth device, specify the PIN code necessary for registering this unit.

1 Enter PIN code edit mode

Select "MENU" > "PIN EDIT".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).
The current setting of PIN code is displayed.

2 Input the PIN code

Operation type	Operation
Select the numbers.	Turn the [AUD] knob or push it towards up or down.
Move to the next digit.	Push the [AUD] knob towards right.
Delete the last digit.	Push the [AUD] knob towards left.

3 Register a PIN code

Press the [AUD] knob for at least 1 second.

If "COMPLETE" is displayed, registration is completed.

4 Exit the PIN code edit mode

Press the [SEARCH] button.



- By default, "0000" is specified.
- A PIN code can be specified with up to eight digits.

Downloading the Phone Book

Download the phone book data from the cell-phone to this unit so that you can use the Phone Book of this unit.

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 complete 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 32 digits can be registered for each phone number along with up to 50* characters representing a name. (* 50: Number of alphabetic 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.

Selecting the Bluetooth device You Wish to Connect

When two or more Bluetooth devices have already been registered, you need to select the Bluetooth device you wish to use.

1 Enter Bluetooth device selection mode

Select "MENU" > "PHONE SEL".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).
'(name)' is displayed.

2 Select the Bluetooth device

Turn the [AUD] knob or push it towards up or down.

3 Set up the Bluetooth device

Push the [AUD] knob towards right or left.

'*(name)' or '-(name)' is displayed.

"*": The selected Bluetooth device is busy.

"-": The selected Bluetooth device is on standby.

" " (blank): The Bluetooth device is deselected.

4 Exit the Bluetooth device selection mode

Press the [SEARCH] button.



- If a cell-phone is already selected, deselect it, and then select a different one.

Bluetooth Setup

Deleting a Registered Bluetooth device

You can delete a registered Bluetooth device.

1 Enter Bluetooth device deletion mode

Select "MENU" > "DEVICE DEL".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).

'(name)' is displayed.

2 Select the Bluetooth device

Turn the [AUD] knob or push it towards up or down.

3 Delete the selected Bluetooth device

Press the [AUD] knob for at least 1 second.

4 Exit the Bluetooth device deletion mode

Press the [SEARCH] button.



- When a registered cell-phone is deleted, its Phone Book, log, SMS, and voice tag are also deleted.

Displaying the Firmware Version

Display the version of the firmware of this unit.

1 Enter Bluetooth Firmware update mode

Select "MENU" > "BT F/W UPDATE".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).

The firmware version appears.

2 Exit Bluetooth Firmware update mode

Press the [SEARCH] button.



- For how to update the firmware, access our website. <http://www.kenwood.com/bt/information/>

Adding a voice dialing command

Add a voice tag to the phonebook for voice dialing. You can register up to 35 voice tags.

1 Enter voice tag mode

Select "MENU" > "VOICE TAG".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select "PB NAME EDIT" mode

Press the [AUD] knob to select "PB NAME EDIT", and then press the [AUD] knob for at least 1 second.

3 Search for the name to register

Select the name to register with reference to 4 in <Calling a number in the PhoneBook> (page 17).

If a voice tag has already been registered for a name, "*" is displayed before the name.

4 Select a mode

Turn the [AUD] knob or push it towards up or down.

Display	Operation
"PB NAME REG"	Register a voice tag.
"PB NAME CHK"*	Play a voice tag.
"PB NAME DEL"*	Delete a voice tag.
"RETURN"	Return to step 2.

- * Displayed only when a name for which a voice tag has been registered is selected.

Select "PB NAME REG" (Regist)

5 Register a voice tag (first)

Press the [AUD] knob.

"ENTER1" is displayed.

When a beep is heard, utter a voice tag within 2 seconds.

6 Confirm the voice tag (second)

Press the [AUD] knob.

"ENTER2" is displayed.

When a beep is heard, utter the same voice tag as that you uttered in step 4 within 2 seconds.

"COMPLETE" is displayed.

7 End registration

Press the [AUD] knob.

Return to step 2. You can register another voice tag continuously.



- If your voice cannot be recognized, a message is displayed. Pressing the [AUD] knob allows you to retry voice input. (page 43)

Select "PB NAME CHK" (Play)

5 Press the [AUD] knob.

Play the registered voice and return to step 2.

Select "PB NAME DEL" (Delete)

5 Delete a voice tag

Press the [AUD] knob at least 1 second.

Return to step 2.

Exit the voice tag mode

Press the [SEARCH] button.



- Audio sound is not output during voice tag registration.

Setting a Voice Command for Category

Add a voice tag to the phone number category (type) for voice calling.

1 Enter voice tag mode

Select "MENU" > "VOICE TAG".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).

2 Select "PB TYPE EDIT" mode

Press the [AUD] knob to select "PB TYPE EDIT", and then press the [AUD] knob for at least 1 second.

3 Select the category (type) you wish to set

Turn the [AUD] knob or push it towards up or down.

"GENERAL"/"HOME"/"OFFICE"/"MOBILE"/"OTHER"

4 Press the [AUD] knob.

5 Select a mode

Turn the [AUD] knob or push it towards up or down.

Display	Operation
"PB TYPE REG"	Register a voice tag.
"RETURN"	Return to step 2.

6 Register the category (type) by performing steps 5 to 7 in <Adding a voice dialing command> (page 30).

Exit the voice tag mode

Press the [SEARCH] button.



- Set the voice tag for all the 5 categories. If the voice tag is not registered for all the categories, the Phonebook may not be recalled by voice command.

SMS (Short Message Service)

The SMS arrived at the cell-phone is displayed on the receiver.

A newly arrived message is displayed.



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

When a new message arrives

"SMS RECEIVED" is displayed.

The display disappears with any operations.

Displaying the SMS

1 Enter SMS Inbox mode

Select "MENU" > "SMS INBOX".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).

A message list appears.

2 Select a message

Turn the [AUD] knob or push it towards up or down.

- Each pressing of the [▶||] button for at least 1 second switches between telephone number or name and message reception date.

3 Display the text

Press the [AUD] knob.

Pressing this button again allows you to select a message again.

- Message Scroll

Continuously pushing the [AUD] knob towards right or left scrolls the message.

4 Exit the SMS Inbox mode

Press the [SEARCH] button.



- 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.

Bluetooth Setup

Downloading the SMS

Download the short message (SMS) arrived at the cell-phone so that it can be read on this unit.

1 Enter SMS download mode

Select "MENU" > "SMS DOWNLOAD".

Press the [AUD] knob for at least 1 second.

For how to select Function Control item, refer to <Function Control> (page 6).

A message list appears.

2 Start downloading

Press the [AUD] knob.

"DOWNLOADING" is displayed.

When the downloading finishes, "COMPLETE" is displayed.

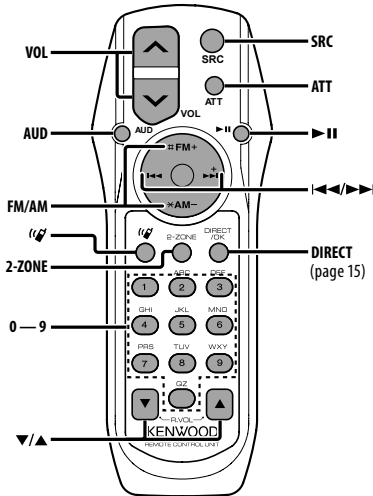
3 Exit the SMS download mode

Press the [SEARCH] button.



- 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.

Basic Operations of remote control



General control

Volume control [VOL]

Source select [SRC]

Volume reduce [ATT]

When the button is pressed again, the volume returns to the previous level.

In Audio control

Audio item select [AUD]

Adjust the Audio item [VOL]



- Refer to <Audio Control> (page 20) for the operation method, such as the procedures for Audio control and others operations.

Dual Zone control

Dual zone system on and off [2-ZONE]

Rear channel volume control [▲]/[▼]

In Tuner source

Band select [FM]/[AM]

Station select [◀◀]/[▶▶]

Recall preset stations [1] — [6]

In CD/USB source

Music select [◀◀]/[▶▶]

Folder select [FM]/[AM]

Pause/Play [▶▶]

Hands-free phone control

Making a call

Enter the dialing method selection mode [📞]

Select a dialing method [AUD]

Number dial input

Operation type	Operation
Input a digit.	[0] - [9] buttons
Input "+".	[▶▶] button
Input "#".	[FM] button
Input "**".	[AM] button
Clear the entered phone number.	[◀◀] button

Make a call [DIRECT]

Receiving a call

Answer the call [📞]

Switch between the private talk mode and the hands-free talk mode [▶▶]

Call waiting

Answer Another Incoming Call with the Current Call Suspended [📞]

Answer another Incoming Call after Terminating the Current Call [SRC]

Continue the Current Call [1]

During a call

End the call [SRC]

Adjust the voice volume [VOL]

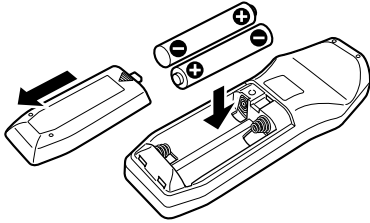
Basic Operations of remote control

Loading and Replacing battery

Use two "AA" / "R6"-size batteries.

Slide the cover while pressing downwards to remove it as illustrated.

Insert the batteries with the + and - poles aligned properly, following the illustration inside the case.



CAUTION

- Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.
- Do not set the remote control in hot places such as on the dashboard.

Appendix

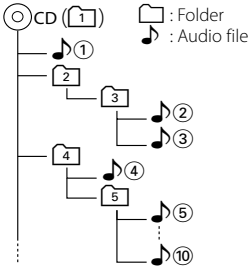
About Audio file

- **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**
USB mass storage class
- **Playable USB device 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.

Playing order of the Audio file

In the example of folder/file tree shown below, the files are played in the order from ① to ⑩.



An online manual about audio files is put on the site, www.kenwood.com/audiofile/. On this online manual, detailed information and notes which are not written in this manual are provided. Make sure to read through the online manual as well.



- In this manual, the word “USB device” is used for flash memories and digital audio players which have USB terminals.
- The word “iPod” appearing in this manual indicates the iPod or the iPhone connected with the iPod connection cable* (optional accessory).

* Not supported model KCA-iP500.

Refer to the web site for connectable iPod and iPod connection cable.

www.kenwood.com/ipod/kca_ip/

About USB device

- 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.
- When the USB device is connected to this unit, it can be charged up provided that this unit is powered.
- 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.
- Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device.
We shall have no compensation for any damage arising out of erasure of the stored data.
- No USB device comes with this unit. You need to purchase a commercially available USB device.
- When connecting the USB device, usage of the CA-U1EX (option) is recommended.
Normal playback is not guaranteed when a cable other than the USB compatible cable is used.
Connecting a cable whose total length is longer than 5 m can result in abnormal playback.

About the Cell-Phone

This unit conforms to the following Bluetooth specifications:

Version	Bluetooth Standard Ver. 2.0
Profile	HFP (Hands Free Profile) OPP (Object Push Profile) PBAP (Phonebook Access Profile) SYNC (Synchronization Profile)

For the cell-phones verified for compatibility, access the following URL:

<http://www.kenwood.com/bt/information/>



- 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.
- HFP is a profile used to make a hands-free call.
- OPP is a profile used to transfer data such as a phone book between units.

Appendix

For operating KCA-BT200 (Optional)

For operation refer to Model-B-2 in the Instruction Manual of KCA-BT200, and the table below.

Notation used in the KCA-BT200 Instruction Manual	Operation
▶ button	[AUD] knob
Control knob	[AUD] knob
Press the [AUTO]/[TI] button	Press the ▶ button for at least 1 second.
Control knob towards up or down	[AUD] knob towards up or down
Control knob towards left or right	[AUD] knob towards left or right

For operating KCA-BT100 (Optional)

However, the following control methods of the function for this unit may be different from the Instruction manual; therefore, refer to the following supplemental instruction.

<Dialing by Using the Quick Dialing Function>

1. Press the [AUD] knob. Select the "NUMBER DIAL" display.
2. Press the [SEARCH] button.
3. Select the number to recall by turning the [AUD] knob.
4. Press the [AUD] knob.

<Registering to the Preset Dial Number List>

1. Operation is the same. Refer to the instruction manual of KCA-BT100.
2. Press the [SEARCH] button.
3. Select the number to memory by turning the [AUD] knob.
4. Press the [AUD] knob for at least 2 seconds.

<Deleting a Registered Cell-Phone>

- 1-3. Operation is the same. Refer to the instruction manual of KCA-BT100.
4. Press the [AUD] knob at least 1 second.
5. Press the [SEARCH] button.

<Menu System>

For how to operate Menu, refer to <Function Control> in this instruction manual.

About display

Cell-Phone Status is displayed in the status display of this unit.

Moreover, some displays are different from the description of KCA-BT100 Instruction Manual.

Displays of KCA-BT100 Instruction Manual	Actual displays on this unit
"DISCONCT"	"HF DISCONCT"
"CONNECT"	"HF CONNECT"
"PHN-DEL"	"DEVICE DEL"

"P-STATUS"	"DVC STATUS"
"BT-CON Y"	"HF CONNECT Y"
"BT-CON N"	"HF CONNECT N"

Menu Glossary

• AF (Alternative Frequency)

When the reception is poor, automatically alternate to another frequency broadcasting the same program in the same RDS network with better reception.

• AMP

Selecting "OFF" turns off the built-in amplifier. Turning off the built-in amplifier improves the quality of the sound from Preout.

• AUTO ANS (Setting the Time Interval for Automatic Answer)

This function automatically answers (responds to) a call after lapse of the preset time interval for automatic answer.

"OFF": Does not answer the phone call automatically.

"0": Automatically answers the phone call at once.

"1s" – "99s": Automatically answers the phone call after lapse of 1 – 99 seconds.



- If the time set in the cell-phone is shorter than that set in the unit, the former will be used.
- This function does not work for call waiting.

• AUX

When this is set to ON, AUX source can be selected.

ON1: Allows AUX source to be selected. Use this setting when the built-in AUX terminal is connected to the external equipment all the time.

ON2: Activates the attenuator function when turning on the power with AUX source selected. Cancel the attenuator function by turning the volume knob clockwise when listening to the audio of the external equipment.

OFF: Disable AUX source selection. Use this setting when the built-in AUX terminal is not used.

• CALL BEEP (Setting the Beep of the Incoming Call)

You can output a beep from the speaker when a call comes in.

"ON": Beep is heard.

"OFF": Beep is canceled.

- **CD READ**

Sets the method for reading CD.

When unable to play special format CD, set this function to "2" to force playing. Note that some music CD may be unplayable even when set to "2". In addition, audio files cannot be played when set to "2". Normally, keep this set to "1".

- 1 : Automatically distinguishes between audio file disc and music CD when playing disc.
- 2 : Forces playing as music CD.

- **DISPLAY**

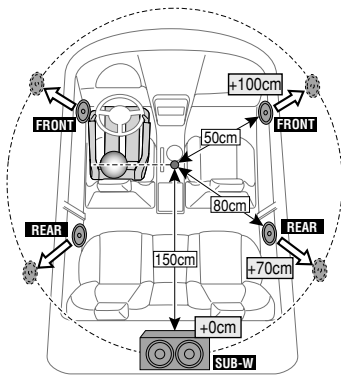
If this unit is not operated at least 5 seconds with "OFF" selected, the display turns off. During a setup mode, the display will not turn off even if 5 seconds lapse.

- **DTA (Digital Time Alignment)**

Make fine adjustment of the delay time of the speaker output specified at <Cabin selection> (page 23) to have a more suitable environment for your vehicle.

The settings of the delay time are automatically identified and compensated by specifying the distances of each speaker from the center of the vehicle interior.

- 1 Set the front and rear positions and the height of the reference point to the position of the ears of the person sitting in the front seat, and set the right and left positions to the center of the vehicle interior.
- 2 Measure the distances from the reference point to the speakers.
- 3 Calculate the distance difference in accordance with the farthest speaker.



- **DVC STATUS (Displaying the Bluetooth device Status)**

You can display the connection status, signal strength, and battery level.

: Battery level of cell-phone.

Full Nearly dead

: Signal strength of cell-phone.

Maximum Minimum

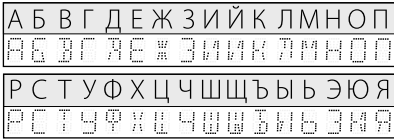


- Icons are not displayed if information cannot be obtained from the cell-phone.
- Since the number of steps of the control unit is different from that of the cell-phone, the statuses displayed on the control unit may discord from those displayed on the cell-phone.
- **HIGHWAY-SND (Highway sound)**
Increases the volume of faintest sound being lost by road noises to make the sound more audible. Additionally, it accentuates bass sound being lost by road noises to make the bass sound more dynamic.
- **MIC GAIN**
Adjusts the sensitivity of the built-in microphone for a telephone call. Adjust the voice of caller. Setting to "+" increases the voice volume.
- **NEWS (News Bulletin with Timeout Setting)**
Automatically receives news bulletin when it starts. Set the time during which interrupt is to be disabled after start of another news bulletin. Changing "NEWS 00M" to "NEWS 90M" turns this function ON.
If news bulletin starts when this function is ON, "TRAFFIC" is displayed and news is received. If "20M" is has been set, reception of another news bulletin will not start for 20 minutes.
The news bulletin volume is the same level that was set for Traffic Information.
- **NR LEVEL**
Reduces 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.
- **POWER OFF (Power OFF Timer)**
Setting the timer to turn this unit's power OFF automatically when Standby mode continues. Using this setting can save the vehicle's battery power.
-- --: Power OFF Timer function is OFF.
20min: Turns the power OFF after 20 minutes. (Factory setting)
40min: Turns the power OFF after 40 minutes.
60min: Turns the power OFF after 60 minutes.

Appendix

• RUSSIAN (Russian language setting)

When this is set to ON, the following character strings are displayed in Russian:
Folder name/ File name/ Song title/ Artist name/
Album name/ KCA-BT200/BT100 (optional
accessory)



• SEEK (Tuning mode select)

Select a tuning mode of the radio.

Tuning mode	Display	Operation
Auto seek	"AUTO1"	Automatic search for a station.
Preset station seek	"AUTO2"	Search in order of the stations in the Preset memory.
Manual	"MANUAL"	Normal manual tuning control.

• SP SEL (Setting up the Voice Output Speakers)

You can specify the voice output speakers.

"FRONT": Outputs voice from the front-left and front-right speakers.

"F-R": Outputs voice from the front-right speaker.

"F-L": Outputs voice from the front-left speaker.



- Select the speaker which is further from the microphone in order to prevent howling or echoes.

• SUPREME

Technology to extrapolate and supplement with proprietary algorithm, the high-frequency range that is cut off when encoding at low bit rate (less than 128Kbps, Sampling frequency is 44.1kHz). Supplementing is optimized by compression format (AAC, MP3 or WMA) and processed according to bit rate.

The effect is negligible with music that is encoded at high bit rate, variable bit rate or has minimal high frequency range.

• SUPREME PLUS

Improved version of SUPREME. It compensates the clarity and transparency of the voice in the compressed audio files and CD-DA music to produce highly realistic vocal sound.

• SWPRE (Switching Preout)

Switches the preout between rear output ("REAR") and subwoofer output ("SUB-W").

• ZONE2 (Dual Zone)

Set the destination (front speaker "FRONT" or rear speaker "REAR") of the sub source (AUX IN) when the Dual Zone function is turned on.

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.

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.

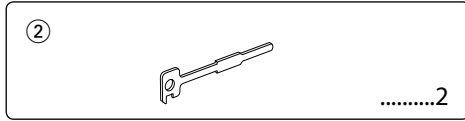
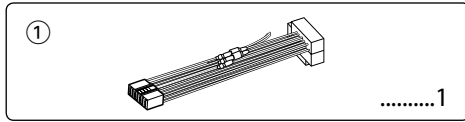
The marking of products using lasers (Except for some areas)

**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.

Accessories/ Installation Procedure

Accessories



Installation Procedure

1. To prevent short circuits, remove the key from the ignition and disconnect the ⊖ terminal of the battery.
2. Make the proper input and output wire connections for each unit.
3. Connect the wire on the wiring harness.
4. Take Connector B on the wiring harness and connect it to the speaker connector in your vehicle.
5. Take Connector A on the wiring harness and connect it to the external power connector on your vehicle.
6. Connect the wiring harness connector to the unit.
7. Install the unit in your car.
8. Reconnect the ⊖ terminal of the battery.
9. Press the reset button.



- Mounting and wiring this product requires skills and experience. For safety's sake, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- 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.
- Make sure that all wire connections are securely made by inserting jacks until they lock completely.
- If your vehicle's ignition does not have an ACC position, or if the ignition wire is connected to a power source with constant voltage such as a battery wire, the power will not be linked with the ignition (i.e., it will not turn on and off along with the ignition). If you want to link the unit's power

- with the ignition, connect the ignition wire to a power source that can be turned on and off with the ignition key.
- Use a commercially available conversion connector if the connector does not fit in the vehicle connector.
 - 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.
 - If the console has a lid, make sure to install the unit so that the faceplate will not hit the lid when closing and opening.
 - If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with 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.
 - 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.
 - Reception may drop if there are metal objects near the Bluetooth antenna.

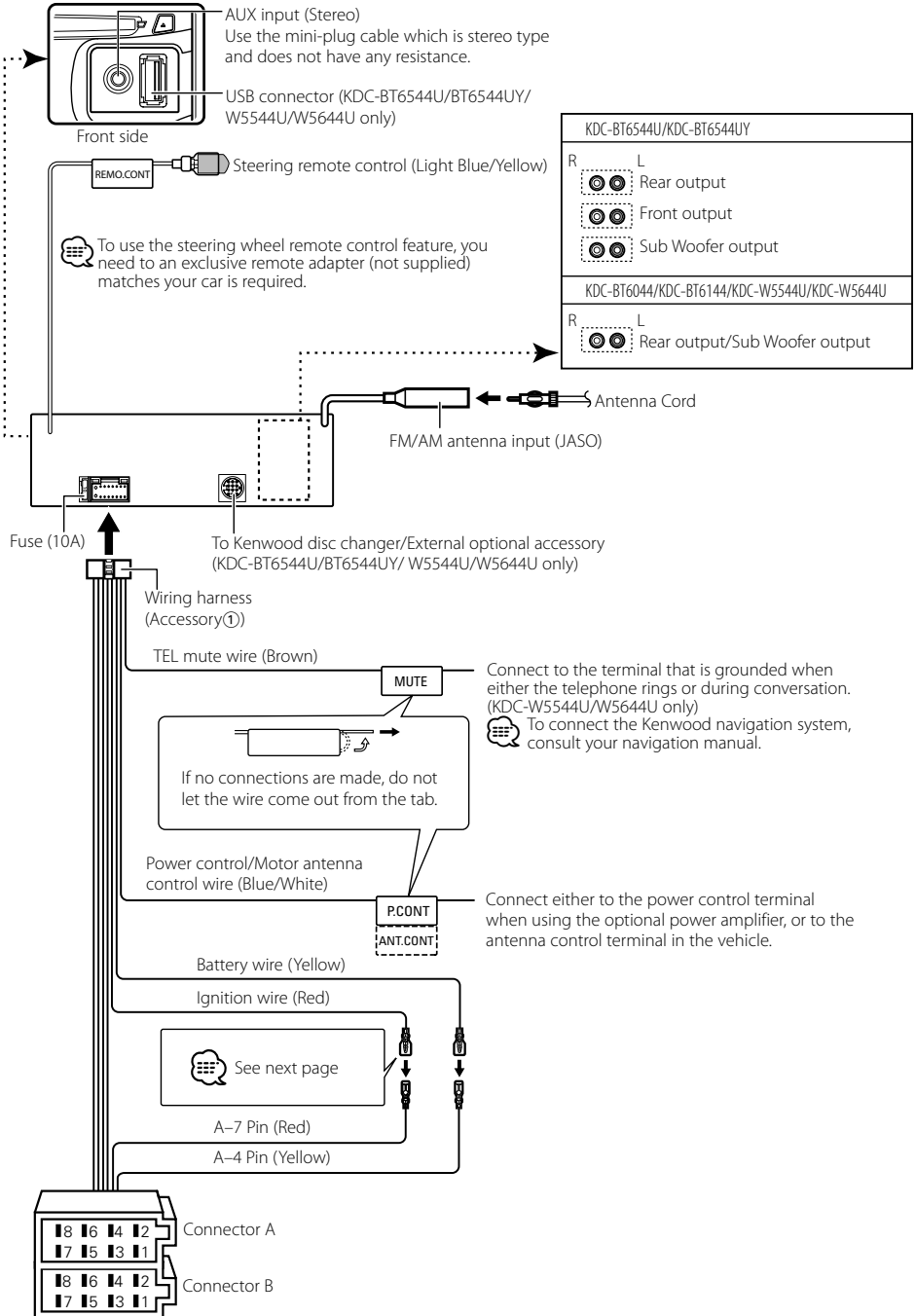


Bluetooth antenna unit

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.

Connecting Wires to Terminals



Connector Function Guide

Pin Numbers for ISO Connectors	Cable Colour	Functions
External Power Connector		
A-4	Yellow	Battery
A-5	Blue/White	Power Control
A-6	Orange/White	Dimmer
A-7	Red	Ignition (ACC)
A-8	Black	Earth (Ground) Connection
Speaker Connector		
B-1	Purple	Rear Right (+)
B-2	Purple/Black	Rear Right (-)
B-3	Gray	Front Right (+)
B-4	Gray/Black	Front Right (-)
B-5	White	Front Left (+)
B-6	White/Black	Front Left (-)
B-7	Green	Rear Left (+)
B-8	Green/Black	Rear Left (-)

▲WARNING

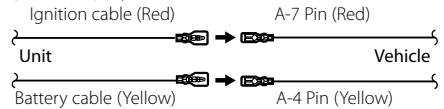
Connecting the ISO Connector

The pin arrangement for the ISO connectors depends on the type of vehicle you drive. Make sure to make the proper connections to prevent damage to the unit.

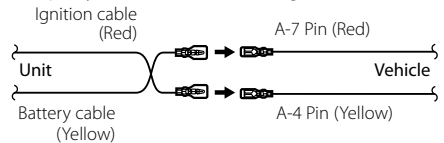
The default connection for the wiring harness is described in [1] below. If the ISO connector pins are set as described in [2], make the connection as illustrated.

Please be sure to reconnect the cable as shown [2] below to install this unit to the **Volkswagen** vehicles etc.

[1] (Default setting) The A-7 pin (red) of the vehicle's ISO connector is linked with the ignition, and the A-4 pin (yellow) is connected to the constant power supply.

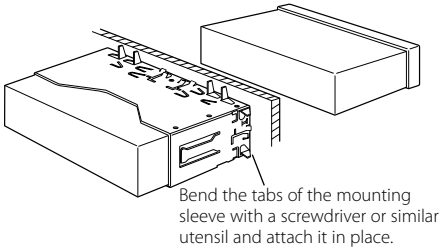


[2] The A-7 pin (red) of the vehicle's ISO connector is connected to the constant power supply, and the A-4 pin (yellow) is linked to the ignition.



Installation/Removing the Unit

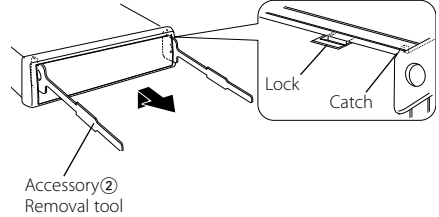
Installation



- Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (for example, the sound may skip).

Removing the hard rubber frame

- 1 Engage the catch pins on the removal tool and remove the two locks on the upper level. Upper the frame and pull it forward as shown in the figure.



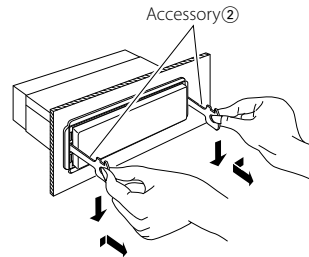
- 2 When the upper level is removed, remove the lower two locations.



- The frame can be removed from the bottom side in the same manner.

Removing the Unit

- 1 Refer to the section <Removing the hard rubber frame> and then remove the hard rubber frame.
- 2 Insert the two removal tools deeply into the slots on each side, as shown.
- 3 Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside.



- Be careful to avoid injury from the catch pins on the removal tool.
- 4 Pull the unit all the way out with your hands, being careful not to drop it.

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.

Troubleshooting Guide

Some functions of this unit may be disabled by some settings made on this unit.

- 1** • **Cannot set up the subwoofer.**
- **Cannot set up the low pass filter.**
- **No output from the subwoofer.**
 - ▶ • <Subwoofer output> of <Basic Operation> (page 4) is not set to On.
 - Preout is not set to subwoofer. **ⓘ** "SWPRE" of <Function Control> (page 6)

- 1** • **Cannot register a security code.**
- **Cannot set up Display.**
 - ▶ <Demonstration mode Setting> (page 20) is not turned off.

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

General

- ?** **The Touch Sensor Tone does not sound.**
 - ✓ The preout jack is being used.
 - ⓘ** The Touch Sensor Tone cannot be output from the preout jack.

Tuner source

- ?** **Radio reception is poor.**
 - ✓ The car antenna is not extended.
 - ⓘ** Pull the antenna out all the way.

Disc source

- ?** **The specified disc does not play, but another one plays instead.**
 - ✓ The specified CD is quite dirty.
 - ⓘ** Clean the CD, referring to the CD cleaning of the section on <Handling CDs> (page 3).
 - ✓ The disc is loaded in a different slot from that specified.
 - ⓘ** Eject the disc magazine and check the number for the specified disc.
 - ✓ The disc is severely scratched.
 - ⓘ** Try another disc instead.

Audio file source

- ?** **The sound skips when an Audio file is being played.**
 - ✓ The media is scratched or dirty.
 - ⓘ** Clean the media, referring to the CD cleaning of the section on <Handling CDs> (page 3).
 - ✓ The recording condition is bad.
 - ⓘ** Record the media again or use another media.

Hands-free

- ?** **The hands-free talk volume is low.**
 - ✓ The hands-free talk volume is set at a low level.
 - ⓘ** The hands-free talk volume can be adjusted independently. Adjust it during hands-free talk. "MENU" > "MIC GAIN" and "NR LEVEL" <Function Control> (page6).
- ?** **No sound is heard from the rear speakers.**
 - ✓ You are talking in the hand-free talk mode.
 - ⓘ** No sound is heard from the rear speakers in the hands-free talk mode.
- ?** **No beep is heard at reception of an incoming call.**
 - ✓ No beep is heard depending on the type of your cell-phone.
 - ⓘ** The "MENU" > "CALL BEEP" of <Function Control> (page 6) 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.

The messages shown below display your systems condition.

- | | |
|-------------|---|
| TOC ERROR: | <ul style="list-style-type: none">• No disc has been loaded in the disc magazine.• The CD is quite dirty. The CD is upside-down. The CD is scratched a lot. |
| ERROR 05: | The disc is unreadable. |
| ERROR 77: | The unit is malfunctioning for some reason. <ul style="list-style-type: none">⇨ Press the reset button on the unit. If the "ERROR 77" code does not disappear, consult your nearest service center. |
| ERROR 99: | Something is wrong with the disc magazine. Or the unit is malfunctioning for some reason. <ul style="list-style-type: none">⇨ Check the disc magazine. And then press the reset button on the unit. If the "ERROR 99" code does not disappear, consult your nearest service center. |
| IN (Blink): | The CD player section is not operating properly. <ul style="list-style-type: none">⇨ Reinsert the CD. If the CD cannot be ejected or the display continues to flash even when the CD has been properly reinserted, please switch off the power and consult your nearest service center. |

Troubleshooting Guide

PROTECT (Blink):	The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated. ❖ Wire or insulate the speaker cable properly and press the reset button. If the "PROTECT" code does not disappear, consult your nearest service center.	HF DISCONCT:	The unit cannot communicate with the cell-phone.
NA FILE:	An Audio file is played with a format that this unit can't support.	HF ERROR 07:	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.
COPY PRO:	A copy-protected file is played.	HF ERROR 68:	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.
READ ERROR:	The file system of the connected USB device is broken. ❖ 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.	UNKNOWN:	The Bluetooth device cannot be detected.
NO DEVICE:	The USB device is selected as a source although no USB device is connected. ❖ Change the source to any source other than USB. Connect an USB device, and change the source to USB again.	DEVICE FULL:	5 Bluetooth device have already been registered. No more Bluetooth device cannot be registered.
N/A DEVICE:	• An unsupported USB device is connected. • Connection to the iPod has failed. ❖ Check that the connected iPod is an iPod that is supported. See <About Audio file> (page 35) for information on supported iPods.	PIN CODE NG:	The PIN code is wrong.
NO MUSIC DATA/ERROR 15:	• The connected USB device contains no playable audio file. • Media was played that does not have data recorded that the unit can play.	CONNECT NG:	The unit cannot be connected to the device.
USB ERROR:	Some trouble may have occurred to the connected USB device. ❖ Remove the USB device, then cycle the power switch to ON. If the same display is repeated, use another USB device.	PAIRING NG:	Pairing error.
iPod ERROR:	Connection to the iPod has failed. ❖ Remove the USB device and then reconnect it. ❖ Confirm that the software for the iPod is the latest version.	NO MATCHING:	The voice tag is wrong. Voice cannot be recognized because of an unregistered voice tag, etc.
USB REMOVE (Blink):	The Remove mode has been selected for the USB device/iPod. You can remove the USB device/iPod safely.	TOO SOFT:	Voice is too small and cannot be recognized.
NO NUMBER:	• The calling party does not notify a caller ID. • There is no phone number data.	TOO LOUD:	Voice is too large to be recognized.
NO DATA:	• There is no outgoing call list. • There is no incoming call list. • There is no missed call list. • There is no phone book list.	TOO LONG:	The word or utterance is too long to be recognized.
NO ENTRY:	The cell-phone has not been registered (pairing).	NO PHONEBOOK:	Data is not contained in the phone book.
		NO MESSAGE:	No short message in In Box.
		NO RECORD:	The voice tag is not registered in the phonebook.
		MEMORY FULL:	The number of voice tags reaches the maximum number to be registered in the phonebook.
		FAV: NO MEMORY:	The procedure is not registered to Favorite Preset Memory
		NO ACCESS:	The procedure preset with Favorite Control cannot be available. The preset content may not be recalled depending on the selected source or mode.
		NO VOICE:	No call.
		NO PANEL:	The faceplate of the slave unit being connected to this unit has been removed.

Specifications

FM tuner section

- Frequency range (50 kHz space)
 - : 87.5 MHz – 108.0 MHz
- Usable sensitivity (S/N = 26dB)
 - : 0.7 μ V/75 Ω
- Quieting Sensitivity (S/N = 46dB)
 - : 1.6 μ V/75 Ω
- Frequency response (\pm 3.0 dB)
 - : 30 Hz – 15 kHz
- Signal to Noise ratio (MONO)
 - : 65 dB
- Selectivity (DIN) (\pm 400 kHz)
 - : \geq 80 dB
- Stereo separation (1 kHz)
 - : 35 dB

MW tuner section

- Frequency range (9 kHz space)
 - : 531 kHz – 1611 kHz
- Usable sensitivity (S/N = 20dB)
 - : 25 μ V

LW tuner section

- Frequency range
 - : 153 kHz – 281 kHz
- Usable sensitivity (S/N = 20dB)
 - : 45 μ V

Bluetooth section (KDC-BT6544U/BT6544UY/BT6044/BT6144)

- Version
 - : Bluetooth Ver. 2.0 Certified
- Frequency range
 - : 2.402 – 2.480 GHz
- Output Power
 - : +4dBm (MAX), 0dBm (AVE) Power Class 2
- Maximum Communication range
 - : Line of sight approx.10m (32.8 ft)
- Profiles
 - : HFP (Hands Free Profile)
 - : HSP (Headset Profile)
 - : SPP (Serial Port Profile)
 - : PBAP (Phonebook Access Profile)
 - : OPP (Object Push Profile)
 - : SYNC (Synchronization Profile)

CD player section

- Laser diode
 - : GaAlAs
- Digital filter (D/A)
 - : 8 Times Over Sampling
- D/A Converter
 - : 24 Bit
- Spindle speed
 - : 500 – 200 rpm (CLV)
- Wow & Flutter
 - : Below Measurable Limit
- Frequency response (\pm 1 dB)
 - : 20 Hz – 20 kHz
- Total harmonic distortion (1 kHz)
 - : 0.01 %
- Signal to Noise ratio (1 kHz)
 - : 110 dB
- Dynamic range
 - : 93 dB
- MP3 decode
 - : Compliant with MPEG-1/2 Audio Layer-3
- WMA decode
 - : Compliant with Windows Media Audio
- AAC decode
 - : AAC-LC “.m4a” files

USB Interface (KDC-BT6544U/BT6544UY/W5544U/ W5644U)

- USB Standard
 - : USB1.1/ 2.0 (Full speed)
- Maximum Supply current
 - : 500 mA
- File System
 - : FAT16/ 32
- MP3 decode
 - : Compliant with MPEG-1/2 Audio Layer-3
- WMA decode
 - : Compliant with Windows Media Audio
- AAC decode
 - : AAC-LC “.m4a” files

Specifications

Audio section

Maximum output power
: 50 W x 4

Output power (DIN 45324, +B=14.4V)
: 22 W x 4

Speaker Impedance
: 4 – 8 Ω

Tone action
(KDC-BT6044/BT6144/W5544U/W5644U)
Bass : 100 Hz ±8 dB
Middle : 1 kHz ±8 dB
Treble : 10 kHz ±8 dB

Tone action (KDC-BT6544U/BT6544UY)
BAND1 : 60 Hz - 400 Hz ±9 dB
BAND2 : 630 Hz - 2.5 kHz ±9 dB
BAND3 : 4.0 kHz - 16 kHz ±9 dB

Preout level / Load (CD)
: 2500 mV/10 kΩ

Preout impedance
: ≤ 600 Ω

Auxiliary input

Frequency response (±1 dB)
: 20 Hz – 20 kHz

Input Maximum Voltage
: 1200 mV

Input Impedance
: 100 kΩ

General

Operating voltage (10.5 – 16V allowable)
: 14.4 V

Maximum Current consumption
: 10 A

Installation Size (W x H x D)
: 182 x 53 x 155 mm

Weight
: 1.2 kg

Specifications subject to change without notice.

- The “AAC” logo is a trademark of Dolby Laboratories.
- The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Kenwood Corporation is under license. Other trademarks and trade names are those of their respective owners.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- iPhone is a trademark of Apple Inc.
- “Made for iPod” means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- “Works with iPhone” means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

· Declaration of Conformity with regard to the EMC Directive 2004/108/EC

· 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-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN 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-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE. Par la présente, Kenwood déclare que ce KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN 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-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet. (BMW)
Hiermit erklärt Kenwood die Übereinstimmung des Gerätes KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien)

Nederlands

Hierbij verklaart Kenwood dat het toestel KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG. Bij deze verklaart Kenwood dat deze KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN 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-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN 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-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Português

Kenwood declara que este KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Polska

Kenwood niniejszym oświadcza, że KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN spełnia zasadnicze wymogi oraz inne istotne postanowienia dyrektywy 1999/5/EC.

Český

Kenwood tímto prohlašuje, že KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN je ve shodě se základními požadavky a s dalšími příslušnými ustanoveními Nařízení vlády č. 426/2000 Sb.

Magyar

Alulírott, Kenwood, kijelenti, hogy a jelen KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN megfelel az 1999/5/EC irányelvben meghatározott alapvető követelményeknek és egyéb vonatkozó előírásoknak.

Svenska

Härmed intygar Kenwood att denna KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Suomi

Kenwood vakuuttaa täten että KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN 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-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN v skladu z osnovnimi zahtevami in ostalimi ustreznimi predpisi Direktive 1999/5/EC.

Slovensky

Spoločnosť Kenwood týmto vyhlasuje, že KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN spĺňa základné požiadavky a ďalšie príslušné ustanovenia Direktívy 1999/5/EC.

Dansk

Undertegnede Kenwood erklærer herved, at følgende udstyr KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Ελληνικά

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Kenwood ΔΗΛΩΝΕΙ ΟΤΙ ΚΑΤΑ ΚDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

Eesti

Sellega kinnitab Kenwood, et see KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN vastab direktiivi 1999/5/EC põhilistele nõudmistele ja muudele asjakohastele määrustele.

Latviešu

Ar šo, Kenwood, apstiprina, ka KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN atbilst Direktīvas 1999/5/EK galvenajām prasībām un citiem tās nosacījumiem.

Lietuviškai

Šiuo, Kenwood, pareiškia, kad šis KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN atitinka pagrindinius Direktyvos 1999/5/EB reikalavimus ir kitas svarbias nuostatas.

Malti

Hawnhekk, Kenwood, jiddikjara li dan KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN jikkonforma mal-ħitġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Українська

Компанія Kenwood заявляє, що цей виріб KDC-BT6544U/KDC-BT6544UY/KDC-BT6044/KDC-BT6144/KDC-BT850RN відповідає ключовим вимогам та іншим пов'язаним положенням Директиви 1999/5/EC.

KENWOOD