

# KENWOOD

## KDC-BT838U

CD-RECEIVER

### INSTRUCTION MANUAL

AMPLI-TUNER LECTEUR DE CD

### MODE D'EMPLOI

REPRODUCTOR DE DISCOS COMPACTOS RECEPTOR DE FM/AM

### MANUAL DE INSTRUCCIONES

Kenwood Corporation



**Take the time to read through this instruction manual.**

**Familiarity with installation and operation procedures will help you obtain the best performance from your new CD-receiver.**

**For your records**

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your Kenwood dealer for information or service on the product.


Model KDC-BT838U Serial number \_\_\_\_\_

**US Residence Only**

**Register Online**

Register your Kenwood product at  
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- 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.

## Before use

### ▲WARNING

#### To prevent injury or fire, take the following precautions:

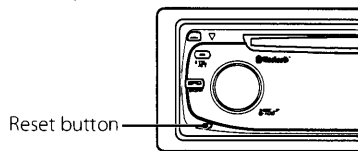
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.

#### 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 19).

#### 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.
- Characters that conform to ISO 8859-1 can be displayed.
- In this document, the description indicator will light means a status is displayed. Refer to <About Display Type> (page 10) for the details of the status display.
- The illustrations of the display, the function icon 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.

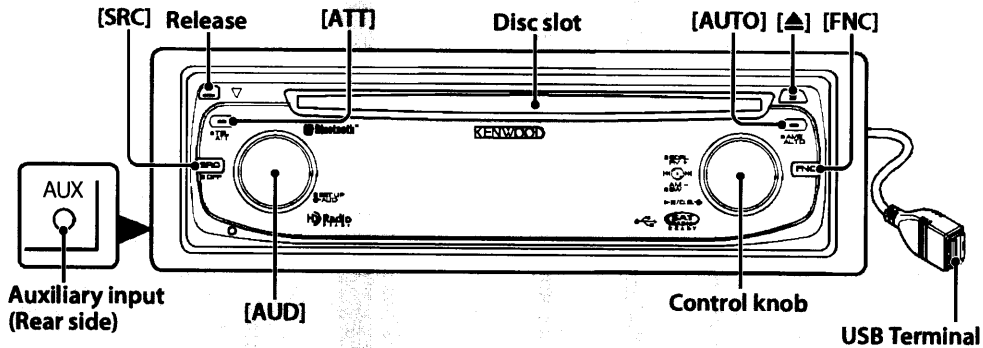
#### CDs that cannot be used

- 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, select a source.

SRC Select mode 1: Press the [SRC] button and then turn the Control knob or push it toward left or right. To determine the selected source, press the Control knob.

SRC Select mode 2: Pressing this button each time switches between sources.

Tuner ("TUNER"), Bluetooth audio ("BT Audio"), USB or iPod ("USB" or "iPod"), CD ("Compact Disc"), Auxiliary input ("AUX"), and Standby ("STANDBY")

Press at least 1 second to turn off the power.



- The SRC Select mode can be set in "MENU" > "SRC Select" of <Function Control> (page 6).
- 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".

### Volume control [AUD]

Turn the knob to adjust the volume.

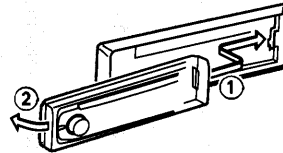
### Attenuator [ATT]

Turning the volume down quickly.

When the volume is reduced, the "ATT" indicator flashes.

### 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.

### Auxiliary input Auxiliary Input

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



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

### Subwoofer output Control knob

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

### Function Control [FNC]

Pressing this button allows you to set various functions using the Control knob. Refer to <Function Control> (page 6).

Category	Function of setup item
MENU	Allows you to set up the environment.
DISP	Allows you to set up the display.

### Text/Title scroll Control knob

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

### Tuner functions

#### Band select Control knob

Switches between FM1, FM2, and FM3 each time pushing toward up.  
Switches to AM when pushing toward down.

#### Tuning Control knob

Changes the frequency when pushing toward left or right.



- During reception of stereo stations the "ST" indicator is ON.

#### Tuning mode select [AUTO]

Switches as follows each time this button is pressed.

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. (page 13)
Manual	"Manual"	Normal manual tuning control.

#### Auto memory entry [AUTO]

Memorizes six stations with good reception automatically when pressed for at least 2 seconds.



: Indicates the button etc. to operate.

### 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 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

Connecting a USB device starts playback.



- For the playable audio file, media, and devices, refer to <About Audio file> (page 32).

#### Pause and play Control knob

Switches between pause and play each time the center is pressed.

#### USB device removing [▲]

Press this button for 2 seconds or longer to select the remove mode, and then remove the USB device.  
During the remove mode, the "USB REMOVE" indicator is ON.

#### Music search Control 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 Control knob

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

# Function Control

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

Category	Item	Setting	Entry	Setting overview	Condition	Page
MENU	"Security Set"/ "Security Clear"		1 sec.	Sets/Resets security code.	<b>SB</b>	18
	"SRC Select"	"1"/"2"		Sets the source selection method.	<b>SB</b>	33
	"iPod Mode"	"OFF"/"ON"		When set to "ON", allows you to select music in the manner similar to that of the iPod.	<b>iPod</b>	12
	"Device Regist"		1 sec.	Register a Bluetooth device (pairing).	<b>SB</b>	23
	"SPCL DVC Select"		1 sec.	Allow registration of a special device that cannot be registered normally.	<b>SB</b>	23
	"Phone Selection"		1 sec.	Select a cell-phone subject to hands-free connection.	<b>SB</b>	25
	"Audio Selection"		1 sec.	Select the Bluetooth audio player to be connected.	—	25
	"Device Delete"		1 sec.	Cancel registration of the Bluetooth device.	<b>SB</b>	25
	"BT DVC Status"		1 sec.	Display the status of the Bluetooth device.	—	33
	"PIN Code Edit"		1 sec.	Specify the PIN code required when registering this unit using the Bluetooth device.	<b>SB</b>	24
	"Auto Answer"	"OFF"/"0s" – "8s" – "99s"		Answer a call automatically after lapse of the preset time interval for automatic answer.	<b>SB</b>	33
	"SP Select"	"Front"/"F-R"/ "F-L"		Specify the voice output speaker.	<b>SB</b>	33
	"Call Beep"	"ON"/"OFF"		Output a beep from the speaker when a call comes in.	<b>SB</b>	33
	"BT F/W Update"		1 sec.	Display the firmware version and update the firmware.	<b>SB</b>	25
	"Beep"	"OFF"/"ON"		Setting the operation check sound (beep sound) ON/OFF.	<b>SB</b>	—
	"Clock Adjust"		1 sec.	Sets the clock.	<b>SB</b>	19
	"Date Adjust"		1 sec.	Sets the date.	<b>SB</b>	19
	"Date Mode"	7 types	1 sec.	Sets the date display mode.	<b>SB</b>	—
	"Display"	"OFF"/"ON"		Turns off the display when no operation is performed.	—	33
	"Dimmer"	"OFF"/"ON"		Dims the display part in conjunction with the light switch of the vehicle.	<b>SB</b>	—
	"ILM Dimmer"	"AUTO"/"MNAL1"/ "MNAL2"/"OFF"		Sets whether the key illumination is dimmed in conjunction with the light switch of the vehicle or it is dimmed constantly.	<b>SB</b>	34
	"ILM Effect"	"OFF"/"ON"		Sets whether the key illumination brightness is changed in conjunction with the key operation.	<b>SB</b>	—
	"ILM MSC SYNC"	"OFF"/"ON"		Sets whether the key illumination brightness is changed in conjunction with the sound volume.	—	—
	"AMP"	"OFF"/"ON"		Turns on/off the built-in amplifier.	<b>SB</b>	34
	"Zone2"	"Rear"/"Front"		Specifies the destination of AUX input sound when the Dual Zone function is turned on.	<b>ZONE</b>	34
	"Supreme"	"OFF"/"ON"		Turns ON/OFF the Supreme function.	<b>AF2</b>	34
	"CRSC"	"OFF"/"ON"		Switches to Monaural to decrease noise when reception is poor.	<b>FM</b>	—
	"Receive Mode"	"Auto"/"Digital"/ "Analog"	1 sec.	Sets the receive mode of HD Radio.	<b>HDR</b>	34
	"ESN="			Displays the Electronic Serial Number of satellite radio.	<b>SAT</b>	—
	"Name Set"		1 sec.	Sets the station name (SNPS)/ disc name (DNPS)/ AUX name.		9
	"Scroll"	"Auto"/"Manual"		Specifies whether the text is scrolled automatically.	—	—
	"Built in AUX"	"OFF"/"ON"		Sets whether to display AUX during source selection.	<b>SB</b>	—
	"CD Read"	"1"/"2"		Sets the CD read mode.	<b>SB</b>	34
	"Audio Preset"		1 sec.	Presets the setting value of the audio control. The preset value is retained after resetting.	<b>SB</b>	22

Category	Item	Setting	Entry	Setting overview	Condition	Page
	"DEMO Mode"	"OFF"/"ON"*	2 sec.	Specifies whether to enable demonstration.	—	19
DISP	> TYPE	A/ B/ C/ D/ E/ F/ G		Sets the display pattern.	—	10
	> GRAPH	Spectrum Analyzer 1–2		Sets the Type E spectrum analyzer display.	E	
	> SIDE	Text icon/ Source icon		Sets the Type A side icon display.	A	
	> TEXT			Sets the text display.	A B C D F	10
BT	> V-REC			Make a voice dialing call.	Phone	16
	> VOICE > NAME			Register a name tag for voice recognition.	Phone	26
	> VOICE > TYPE			Register a type (category) voice tag for voice recognition.	Phone	26
	> SMS > SMSDL			Download a short message.	→	27
	> SMS > INBOX			Display the received short message.	→	27
PMEM						
				Presets a station.	→	13, 29
SCAN*1		"ON"/ —		When set to "ON", plays the intro of the music in the folder successively.	AF2	
RDM		"ON"/ —		When set to "ON", plays the music in the folder randomly.	AF1	
FIREP		"ON"/ —		When set to "ON", plays the music repeatedly.	AF1	
FORP		"ON"/ —		When set to "ON", plays the music in the folder repeatedly.	AF2	
SCAN		"ON"/ —		When set to "ON", plays the intro of the music on the disc successively.	DISC	
RDM		"ON"/ —		When set to "ON", plays the music on the disc randomly.	DISC	
M.RDM		"ON"/ —		When set to "ON", plays the music in the disc changer randomly.	CH	
T.REP		"ON"/ —		When set to "ON", plays the music repeatedly.	DISC	
D.REP		"ON"/ —		When set to "ON", plays the music on the disc repeatedly.	CH	

\*Factory setting

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

: Can be set in other than standby state.

: Can be set in standby state.

: Can be set while Audio file source of CD/USB/iPod.

: Can be set while Audio file source of CD/USB (excluding iPod).

: Can be set while CD/ Disc changer source.

: Can be set while Disc changer source.

: Can be set during Tuner source.

: Can be set during FM reception.

: Can be set while accessing AUX source.

: Can be set while HD Radio source.

: Can be set during Satellite radio source.

: Can be set only during playback of the iPod source. (USB source used when the iPod is connected)

: Can be set for sources other than the standby source by setting "2 ZONE" of <Audio Setup> (page 20) to "ON".

: Can be set while a cell-phone is connected.

: Refer to the reference page.

: Can be set when the specified type is selected for Display Type.

— : 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.

• Strong electrical fields (such as from power lines) may cause unstable sound quality when CRSC is turned ON.

In such a situation, turn it OFF.

\*1 Location played with "File Scan"

- Audio file: First 10 seconds

- Music Editor media: First 10 seconds or the part picked by Intro Skip.

During Intro Skip, turn the control knob left or right to change the song.

The scan method depends on the Music Editor setting. See the Music Editor help for details.

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# Function Control

## 1 Enter Function Control mode

Press the [FNC] button.

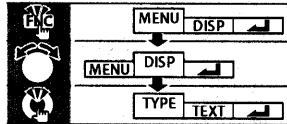
Function icon is displayed.

## 2 Select your desired setup item

Movement between items	Turn the Control knob.
Selection of item	Press the Control knob.
Return to previous item	Press the [FNC] button or " " icon.


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

Example:



## 3 Make a setting

Turn the Control knob to select a setting value, and then press the Control knob.

- The value of items with  mark can be set by pushing the Control knob towards right or left.
- Some items require you to keep pressing the Control 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 Control 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 [FNC] button for at least 1 second.



## Display Settings

### Station/Disc Naming (SNPS/DNPS)

Attaching a title to a Station or CD.

- 1 Receive/play the station/disc you want to attach a title to**
- 2 Select Name set mode item during Menu mode**  
Select the "Name Set" display.  
For how to select Function Control items, refer to <Function Control> (page 6).
- 3 Enter Name set mode**  
**Press the Control knob for at least 1 second.**
- 4 Enter the name**

Operation type	Operation
Move the cursor to the enter character position	Push the Control knob towards right or left.
Select the character type*	Press the Control knob.
Select the characters	Turn the Control knob or push it towards up or down.

\* Each time you press the knob, the character type alternates between the types shown in the table below.

Character type	Alphabet upper case
	Alphabet lower case
	Numbers and symbols
	Special characters (Accent characters)



- Enter characters by using a remote control with numbers buttons.  
Example: If you are entering "DANCE":

Display	"D"	"A"	"N"	"C"	"E"	
Time passed	[3]   [▶]   [2]   [▶]   [6]   [▶]   [2]   [▶]   [3]	1	1	2	3	2

- 5 Exit Menu mode**  
**Press the [FNC] button.**



- A title cannot be attached to Audio file media.
- When operation stops for 10 seconds the name at that time is registered, and Name Set mode closes.
- Memory numbers
  - FM/AM: 30 stations
  - Internal CD player: 10 discs
  - External CD changer/ player: Varies according to the CD changer/ player. Refer to the CD changer/ player manual.
- Change the title of station/CD by the same operation used to name it.

### Auxiliary Input Display Setting

Selects the display below 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 Control knob for at least 1 second.**  
The presently selected Auxiliary input display is displayed.
- 3 Select the Auxiliary input display**  
**Turn the Control knob or push it towards up or down.**  
"AUX"/"DVD"/"PORTABLE"/"GAME"/"VIDEO"/"TV"
- 4 Exit Auxiliary input display setting mode**  
**Press the [FNC] button.**

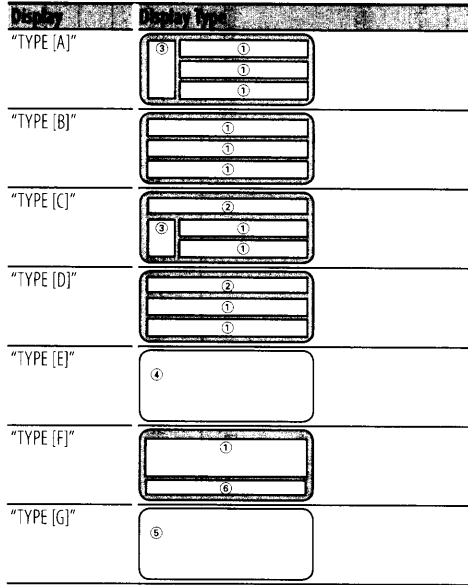


- When operation stops for 10 seconds, the name at that time is registered, and the Auxiliary input display setting mode closes.
- The Auxiliary input display can be set only when the built-in auxiliary input or the auxiliary input of optional KCA-S220A is used. On the KCA-S220A, "AUX EXT" is displayed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

## Display Settings

### About Display Type

Shown below are examples of display types.



- ① Text display part
- ② Status display
- ③ Icon display part
- ④ Spectrum Analyzer display
- ⑤ Clock display
- ⑥ Display (varied depending on the source)

### Text Display Selection

Changing the text display.

#### In Tuner source

Information	Display
Station name	"SNPS"
Frequency	"Frequency"
Spectrum Analyzer & Clock	"Speana/Clock"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

#### In CD & External disc source

Information	Display
Disc title	"Disc Title"
Track title	"Track Title"
Play time & Track number	"P-Time"
Disc name	"DNPS"
Spectrum Analyzer & Clock	"Speana/Clock"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

#### In Audio file 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"
Spectrum Analyzer & Clock	"Speana/Clock"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

#### In Standby

Information	Display
Standby	"Source Name"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

#### In Auxiliary input source

Information	Display
Auxiliary input name	"Source Name"
Spectrum Analyzer & Clock	"Speana/Clock"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

**In Bluetooth audio source**

Information	Display
Bluetooth audio	"Source Name"
Spectrum Analyzer & Clock	"Speana/Clock"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

**In HD Radio source (Optional)**

Information	Display
Station name	"Station Name"
Title	"Title"
Frequency	"Frequency"
Spectrum Analyzer & Clock	"Speana/Clock"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

**In SIRIUS/ SAT source (Optional)**

Information	Display
Channel Name	"Channel Name"
Music Title	"Song Title"
Artist Name	"Artist Name"
Composer name	"Composer Name"
Category Name	"Category Name"
Label Name	"Label Name"
Comment	"Comment"
Band & Channel Number	"Channel Number"
Spectrum Analyzer & Clock	"Speana/Clock"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

**In XM source (Optional)**

Information	Display
Channel Name	"CHANNEL NAME"
Title	"TITLE"
Name	"NAME"
Category Name	"CATEGORY"
Band & Channel Number	"CHANNEL NUMBER"
Spectrum Analyzer & Clock	"Speana/Clock"
Clock	"Clock"
Date	"Date"
Blank	"Blank"

**1 Enter Text Display Selection mode (In Display Type A/ B/ C/ D/ F)**

Select "DISP" > "TEXT".

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

**2 Select the text display part (Display Type A/ B/ C/ D only)**

Push the Control knob towards up or down.

The selected text display part blinks.

**3 Select the text**

Turn the Control knob or push it towards left or right.

**4 Exit Text Display Selection mode**

Press the Control knob.



- If the selected display item does not have any information, alternative information is displayed.
- Some items cannot be selected depending on the display type and row.
- When selecting "Folder Name" while playing with iPod, names will be displayed depending on currently selected browsing items.

## Music disc/Audio file Operation

Function of Audio file/ Internal CD source

### Music Select

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

#### 1 Enter Music Select mode

Turn the Control knob.

The music list is displayed.

#### 2 Search for music

Select the category item using the Control knob.

#### iPod source ("iPod Mode : ON")

Operation type	Operation
Movement between items	Turn the Control knob.
Selection of item	Press the Control knob.
Return to previous item	Push the Control knob towards up.
Return to first item	Push the Control knob towards up for at least 1 second.

#### Other source

##### Audio file

Operation type	Operation
Movement between items	Turn the Control knob or push it towards up or down.
Selection of item	Push the Control knob towards right.
Return to previous item	Push the Control knob towards left.
Return to first item	Push the Control knob towards left for at least 1 second.

##### Internal CD source

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

The "◀" or "▶" symbol shown beside the displayed item indicates that the item is preceded or followed by another item.

Selecting a music will play it from the beginning.

#### Cancelling Music Select

Press the [FNC] button.



- Music Select cannot be performed during Random play.
- Set the iPod mode in "MENU" > "iPod Mode" of <Function Control> (page 6).

Function of remote control

### Direct Music Search

Searchs 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.

#### Cancelling Direct Music Search

Press the [▶II] button.



- Direct Music Search cannot be performed during playing of iPod, "Music Editor" media, 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 [▶II] button.



- Direct Disc Search cannot be performed during playing of Random play or scan play.

## Basic Operation of Disc Changer (Optional)

#### Selecting CD changer source

Press the [SRC] button.

Select the "CD Changer" display.

For how to select source item, refer to <Power/Source Select button> of <Basic Operation> (page 4).

#### Music search

Push the Control knob towards right or left.

#### Disc Search

Push the Control knob towards up or down.

## Tuner Operation

### Station Preset Memory

Putting a station in the memory.

- 1 Select the frequency to put in the memory**  
Push the Control knob towards right or left.
- 2 Enter Preset Memory mode**  
Select "P.MEM".  
For how to select Function Control item, refer to <Function Control> (page 6).
- 3 Select the number to put in the memory**  
Turn the Control knob.
- 4 Determine the number to put in the memory**  
Press the Control knob.
- 5 Allow the determined number to take effect**  
Press the Control knob.

#### **Canceling the Preset Memory mode**

Press the [FNC] button.

### Preset Tuning

Recalling the stations in the memory.

- 1 Enter Preset Tuning Select mode**  
Turn the Control knob.  
A station list is displayed.
- 2 Select a desired station in the memory**  
Turn the Control knob.
- 3 Recall the station**  
Press the Control knob.

#### **Canceling Preset Tuning**

Press the [FNC] 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:

Frequency	Press buttons
92.1 MHz (FM)	[0], [9], [2], [1]
810 kHz (AM)	[0], [8], [1], [0]

#### **Canceling 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 33).
- You need to register your cell-phone before using it with this unit. For more details, see <Registering Bluetooth device> (page 23).
- 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 25).
- To use the Phone Book, it must be downloaded to this unit in advance. For details, see <Downloading the Phone Book> (page 24).
- "BT" indicator is lit when a cell-phone is connected to this unit.

### Receiving a call

#### Answering a Phone Call

Press the [AUD] knob.



- The following operations disconnect the line:
  - Insert a CD.
  - Connect a USB device.
- The name of the calling party is displayed if it has already been registered in the Phone Book.

#### Rejecting an Incoming Call

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

### During a call

#### Disconnecting a Call

Press the [SRC] button.

#### Switching to the Private Mode

Press the Control knob.

Switches between Private talk ("PRVT") and Hands-free talk each time this knob 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 Control 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.

#### Continuing the Current Call

- 1 Press the [AUD] knob.
- 2 Turn the Control 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 [ATT] 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 [ATT] button for at least 1 second.

"HF Disconnect" disappears.

#### Switching between Display Modes

Press the [AUTO] button.

The number of items displayed is switched between 1 or 3 each time this knob is pressed.

## Making a call

### 1 Enter dialing method mode

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

### 2 Select a dialing method

Press the Control knob.

"DIAL" » "INITIAL" » "P-BOOK" » "OUT-CALL" » "IN-CALL" » "MIS-CALL"

Methods of operations in the above modes are described below.

### 3 Exit the dialing method mode

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

## Dial a number

### 1 Enter dialing method mode

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

### 2 Select the number dial mode

Press the Control knob.

Select the "DIAL" display.

### 3 Enter a phone number

Press the number ([1] – [0]), #[(FM)], \*([AM]), or +([▶▶i]) 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 [ATT] button for at least 1 second.

### 2 Press the Control knob.

Select the "DIAL", "P-BOOK", "OUT-CALL", "IN-CALL", or "MIS-CALL" display.

### 3 Enter preset dial mode

Press the [FNC] button.

### 4 Select the number you want to recall from the memory

Turn the Control knob or push it towards left or right.

### 5 Press the Control knob.

### 6 Press the [FNC] button.

### 7 Make a call

Press the Control knob for at least 1 second.



- You need to register the preset dial number. (page 16)

## Calling a number in the Phone Book

### 1 Enter dialing method mode

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

### 2 Select the Phone Book mode

Press the Control knob.

Select the "INITIAL" display, proceed to step 3.

Select the "P-BOOK" display, proceed to step 4.

### 3 Select the initial to be searched for

Operation type	Operation
Move to the next character.	Push the Control knob towards right or left.
Move to the next row.	Push the Control knob towards up or down.
Determine the selected initial.	Press the Control knob for at least 1 second.

### 4 Select the name

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

### 5 Make a call

Press the Control 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 [ATT] button for at least 1 second.
- 2 Select the call log mode**  
Press the Control knob.  
Select the "OUT-CALL" (outgoing call), "IN-CALL" (incoming call), or "MIS-CALL" (missed call) display.
- 3 Select a name or phone number**  
Turn the Control knob or push it towards up or down.
- 4 Make a call**  
Press the Control 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 "BT" > "V-REC".  
For how to select Function Control item, refer to <Function Control> (page 6).  
"Ready" is displayed.
- 2 Press the Control knob.**  
"PB Name?" is displayed.  
When a beep is heard, utter the name within 2 seconds.
- 3 "PN Type?" is displayed.**  
When a beep is heard, utter the category within 2 seconds.
- 4 Make a call**  
Press the Control 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 Control knob allows you to retry voice input. (page 40)
- Both the name and category requires registration of a voice tag. (page 26)
- 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 [FNC] button.
- 3 Select the number to put in the memory**  
Turn the Control knob or push it towards left or right.
- 4 Determine the number to put in the memory**  
Press the Control knob for at least 1 second.

- Exit the Preset Memory mode**  
Press the [FNC] 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



## Bluetooth Audio Operation

### Before Use

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- For details on the Bluetooth Audio player which can be connected, see <About the Bluetooth Audio player> (page 33).
- You need to register your Bluetooth Audio player before using it with this unit. For more details, see <Registering Bluetooth device> (page 23).
- You to select the Bluetooth audio player you wish to connect. Refer to <Selecting the Bluetooth device You Wish to Connect> (page 25).

### Basic Operation

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#### **Selecting Bluetooth Audio source**

**Press the [SRC] button.**

Select the "BT Audio" display.

For how to select source item, refer to <Power/Source Select button> of <Basic Operation> (page 4).

#### **Pause and play**

**Press the Control knob.**

#### **Music Search**

**Push the Control knob towards right or left.**



- All or some of the operations above cannot be performed if the Bluetooth audio player is not ready for remote control.
- Switching between Bluetooth audio sources does not start or stop playback automatically. Perform the operation for starting or stopping playback.
- Some audio players cannot be controlled remotely or reconnected after Bluetooth disconnection. Operate the main unit of the audio player to connect Bluetooth.

## 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 Control knob for at least 1 second.**

When "Enter" is displayed, "SECURITY SET" is also displayed.

#### 3 Enter Security Code

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

#### 4 Confirm the Security Code

**Press the Control knob for at least 3 seconds.**

When "Re-Enter" is displayed, "SECURITY SET" 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 [FNC] 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 Clear" display.

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

#### 2 Enter Security Code mode

**Press the Control knob for at least 1 second.**

When "Enter" is displayed, "SECURITY CLEAR" is also displayed.

#### 3 Enter Security Code

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

#### 4 Press the Control knob for at least 3 seconds.

"Clear" is displayed.

The Security Code function deactivates.

#### 5 Exit Security Code mode

**Press the [FNC] button.**



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

## Manual Clock Adjustment

### 1 Select Clock Adjustment item during Menu mode (In Standby 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 Control knob for at least 1 second.**  
The clock display blinks.

### 3 Adjusting Clock

Selecting the item (hours or minutes)	Push the Control knob towards right or left.
Adjust each item	Turn the Control knob or push it towards up or down.

### 4 Exit Clock adjustment mode

**Press the [FNC] button.**

## Date Adjustment

### 1 Select Date Adjustment item during Menu mode (In Standby mode)

Select the "Date Adjust" display.  
For how to select Function Control items, refer to <Function Control> (page 6).

### 2 Enter Date adjustment mode

**Press the Control knob for at least 1 second.**  
The date display blinks.

### 3 Adjusting Date

Selecting the item (month, day, or year)	Push the Control knob towards right or left.
Adjust each item	Turn the Control knob or push it towards up or down.

### 4 Exit Date adjustment mode

**Press the [FNC] button.**

## 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 Control knob for at least 2 seconds.**  
Pressing this button for 2 seconds or longer toggles the setting between "ON" and "OFF".

### 3 Exit Demonstration mode

**Press the [FNC] button.**

## Audio Adjustments

### Audio Control

You can adjust following Audio Control items ;

Adjustment Item	Display	Range
Rear volume	"REAR VOLUME"	0 — 35
Subwoofer level	"SUB-W LEVEL"	-15 — +15
System Q	"USER"/"ROCK"/ "POPS"/"EASY"/ "TOP40"/"JAZZ"/ "NATURAL"	User setting/Rock/Pops/Easy/ Top 40/Jazz/Natural
Bass level*	"BASS LEVEL"	-8 — +8
Middle level*	"MIDDLE LEVEL"	-8 — +8
Treble level*	"TREBLE LEVEL"	-8 — +8
Balance	"BALANCE"	Left 15 — Right 15
Fader	"FADER"	Rear 15 — Front 15

*Exit Audio Control mode (Volume control mode)*

\* Source tone memory: Puts the set up value in the memory per source.



- "USER": The ranges selected lastly for Bass level, Middle level, and Treble level are recalled automatically.

#### 1 Select the source to adjust

For how to select source item, refer to <Power/Source Select button> of <Basic Operation> (page 4).

#### 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 [▲] and [ATT] button.

### Audio Setup

You can set Sound system , such as follows;

Adjustment Item	Display	Range
Front High Pass Filter	"HPF-F"	Through/80/100/120/150 /180 Hz
Rear High Pass Filter	"HPF-R"	Through/80/100/120/150 /180 Hz
Low Pass Filter	"LPF"	60/80/120/Through Hz
Subwoofer Phase	"SW PHASE"	Reverse (180°)/ Normal (0°)
Volume offset	"VOL-OFFSET"	-8 — ±0 (AUX: -8 — +8)
Loudness	"LOUD"	OFF/ON
Dual Zone System	"2 ZONE"	OFF/ON



- Volume offset: Sets each source's volume as a difference from the basic volume.
- Loudness: Compensates for low and high tones during low volume. (Only the low tone is compensated for when the tuner is selected as a source.)
- 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 30).
  - The Audio Control has no effect on sub source.

#### 1 Select the source to adjust

For how to select source item, refer to <Power/Source Select button> of <Basic Operation> (page 4).

#### 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.