

Owner's manual

RU-9478

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About FCC

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

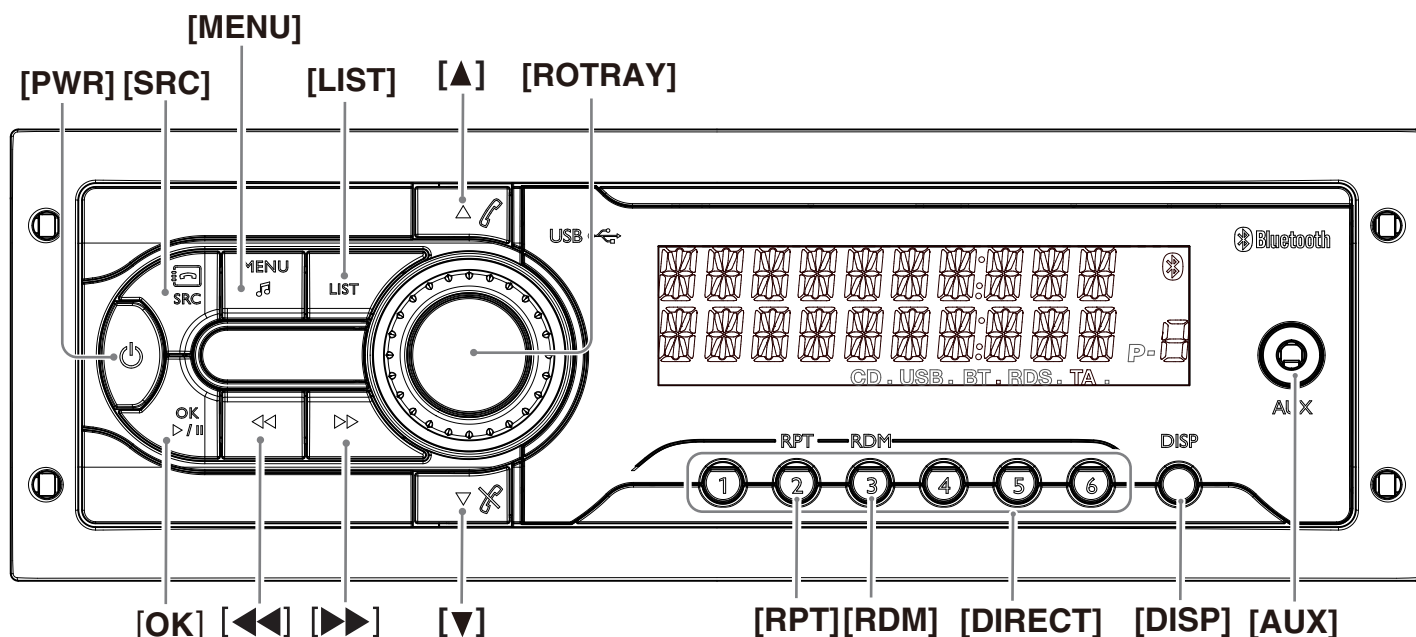
- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.*

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

1. CONTROLS

Operational Panel

English



Names of Buttons

[PWR] button

- Turn the power on/off.

[SRC] button

- Switch between the source mode.

[MENU] button

- Audio/system Setup.

[LIST] button

- Enter the list menu.

[▲], [▼] buttons

- Folder up/ Folder down
- Answer/Reject a call
- Manual seek up/down

[ROTARY] knob

- Rotate to adjust the volume.

[AUX] input jack

- Input jack for connecting external device.

[DISP] button

- Switch display mode.

[DIRECT] buttons

- Store radio stations in memory or recall it directly while in radio mode.

[RDM] button

- Perform random play.

[RPT] button

- Perform repeat play.

[◀▶], [▶▶] buttons

- Commence fast-forward/fast-reverse mode.
- Auto seek up/down

[OK] button

- Play or pause a track while in USB/iPod/BT Audio mode.

2. OPERATIONS

Basic Operations

Power on/off

1. Press the [PWR] button to turn on the power.
2. Press [PWR] button again to turn off the power.

Selecting a source mode

1. Press [SRC] button to change the operation mode.
TUNER → CD* → USB/iPod* → AUX* → BLUETOOTH* → TUNER...

* When CD is not inserted, USB/iPod and AUX device is not connected, or Bluetooth device is not paired, the related source mode will be skipped.

Adjusting the Volume

1. Turn [ROTARY] knob to adjust the volume.

Switching the display

1. Press the [DISP] button to select the desired display.

Audio Setup

You can adjust a sound effect or tone quality to your preference.

1. Press [MENU] button.
2. Then press [◀◀] or [▶▶] button to select the audio setup item:
AMBIANCE ↔ BASS*1 ↔ TREBLE*1 ↔ LOUDNESS
↔ DIST ↔ BALANCE*2 ↔ FADER*2 ↔ AUTO-VOL
↔ AMBIANCE...

Notes:

*1 These items can be performed only when the item "AMBIANCE" is set to "USER".

*2 This item can be performed only when the system item "DIST" is set to "ALL".

- **AMBIANCE:** select the desired audio effect in preset memory
- **LOUDNESS:** bass or treble emphasized
- **DISTRIB(Distribution):** Sound repartition
- **BALANCE:** balance of the right and left speakers
- **FADER:** balance of the rear and front speakers
- **AUTO-VOL:** Automatic Volume Control
- 3. Press the [▲] and [▼] button to adjust the value.
- **AMBIANCE:** USER/CLASSIC/JAZZ/POP-ROCK/TECHNO/VOCAL(default: USER)
- **BASS / TREB:** -7 ~ +7 (default: 0)
- **LOUDNESS:** INACTIVE/ACTIVE(default: ACTIVE)
- **DISTRIB:** ALL PSGR / DRIVER(default: ALL PSGR)
- **BALANCE:** L7 ~ R7 (default: CENTER)
- **FADER:** R7 ~ F7 (default: CENTER)

- **AUTO-VOL:** INACTIVE/ACTIVE (default: ACTIVE)
- 4. After completing settings, press [MENU] button to return to the previous mode.

Setting Ambiance

This unit is provided with 6 types of sound quality effects stored in memory. Select the one you prefer.

* The factory default setting is "USER".

1. Select "AMBIANCE" in audio items.
2. Press the [▲] and [▼] button, select a tone effect.
USER ↔ CLASSIC ↔ JAZZ ↔ POP-ROCK ↔
TECHNO ↔ VOCAL

- **USER :** user custom
- **CLASSIC:** Midrange and treble emphasized
- **JAZZ:** bass and treble emphasized
- **POP-ROCK:** bass, mid and treble emphasized
- **TECHNO:** Increase the bass and treble
- **VOCAL:** mid emphasized

Setting sound repartition

1. Select "DIST" in audio items, and press [ROTARY] button.
 2. Press the [▲] and [▼] button, the tone effect changes.
ALL PSGR ↔ DRIVER
- **ALL PSGR (All passengers):** Front and rear balance
 - **DRIVER :** Speaker of copilot balance

1. Long press [MENU] button.
2. Then press [◀◀] or [▶▶] button to select the system setup items:
 - TA* ↔ RDS* ↔ PAIRING ↔ SELECT ↔ CONTRAST ↔ DIMMER ↔ LANGUAGE ↔ TMP. UNIT ↔ SCROLL
- **TA:** Traffic Announcement
- **RDS:** Radio Data System
- **PAIRING:** pairing Bluetooth device
- **SELECT:** select paired device
- **CONTRAST:** display contrast
- **DIMMER:** dimmer control
- **LANGUAGE:** title display language setting
- **TMP.UNIT:** change the temperature unit
- **SCROLL:** set whether to scroll in title.
3. Press the [▲] and [▼] button to adjust the setting.
 - **PAIRING/SELECT:** detailed operations are below
 - **CONTRAST:** 1 ~ 11 (default: 6)
 - **DIMMER:** -7 ~ +7 (default: 0)
 - **LANGUAGE:** ENGLISH/SPANISH/PORTUG/FRENCH
 - **TMP.UNIT:** CELSIUS/FAHR
 - **SCROLL:** ON/OFF
4. After completing settings, press [MENU] button to return to the previous mode.

PAIRING

This option is used to perform Bluetooth pairing with the mobile phone and audio.
Up to a maximum of 10 Bluetooth devices can be paired.

The system requests pairing

1. Select "PAIRING" in system setup items.
2. Press the [OK] button, the "SEARCHING" blinking in the display, then the searched BT list appears.
3. Press the [▲] and [▼] button to select the desired Bluetooth device.
4. Press [OK] or [▶▶] button to confirm. Then the unit will sent a random password and the password input screen is displayed.
5. Turn the [ROTARY] knob or press [▲] and [▼] button to input the password.
6. Press the [OK] button to pair.
 - After pairing successfully, "CONNECT OK" will appear on the LCD.

External device requests pairing

1. Turn on Bluetooth function of your mobile phone and enter the mobile phone's Bluetooth setup menu.
2. Search for new Bluetooth devices.
3. Select **SYSTEM_NAME** from the pairing list on the mobile phone, then the "PAIRING?" appears on the screen.

4. Press the [▲] and [▼] button to select "YES".
5. Press [OK] button to confirm. Then the unit will sent a random password and the password input screen is displayed.
6. Turn the [ROTARY] knob or press [▲] and [▼] button to input the password.
7. Press the [OK] button to pair.
 - After pairing successfully, "CONNECT OK" will appear on the LCD.

Connect Paired Device

This is a setting for user to connect one of the paired device from the list.

1. Select "SELECT" in system setup items.
2. The paired device appears in the display, Press the [▲] and [▼] button to choose one of the paired devices.
3. Press [OK] or [▶▶] button.
4. Press the [▲] and [▼] button to select "CONNECT", and press [OK] button.
 - After connect successfully, BT indicator will lit in the screen.

Delete Paired Device

This is a setting for user to delete one of the paired devices from the list.

1. Select "SELECT" in system setup items.
2. The paired device appears in the display, Press the [▲] and [▼] button to choose one of the paired devices.
3. Press [OK] button.
4. Press the [▲] and [▼] button to select "DELETE", and press [OK] button.
5. Press the [▲] and [▼] button to select "YSE" or "NO", and press [OK] or button.
 - YSE:** confirm to delete the paired device.
 - NO:** cancel deleting the paired device.

Disconnect Device

This option is used to disconnect the currently connected device.

1. Select "SELECT" in system setup items.
2. The paired device appears in the display, press the [▲] and [▼] button to choose one of the paired devices.
3. Press [OK] or [▶▶] button.
4. Press the [▲] and [▼] button to select "DISCONNECT", and press [OK] or [▶▶] button.

Radio Operations

RDS (Radio Data System)

This unit has a built-in RDS decoder system that supports broadcast stations transmitting RDS data.

Listening to the radio

1. Press [SRC] button and select the radio mode, the radio band in the following order:
FM1 → FM2 → AM...

Switching display

Each time you press the [DISP] button to change the display.

PS NAME → External temperature → PS NAME..

Manual tuning

2 modes are available: Quick tuning and step tuning.

Quick tuning

1. Press and hold [▲] or [▼] (2 sec.) to tune a station.

Step tuning

1. Press [▲] or [▼] to manually tune a station.

Recalling a preset station

A total of 18 preset positions (6-FM1, 6-FM2, 6-AM) exists to store individual radio stations in memory. Press the corresponding [1]~[6] button to recall the stored radio frequency automatically.

Manual store

1. Long press [DIRECT] button to store the current station into preset memory.

TA (Traffic Announcement) Interrupt Setting

1. Select "TA" in system setup items.
2. Press the [▲] and [▼] button to select "ON" or "OFF".

Update Station List

1. Long press [LIST] button to update station list.

Radio station list

1. Press [LIST] button to enter station list.
2. Press [▲] or [▼] to select a station.
3. Press [OK] or [▶▶] button to confirm.

CD/MP3/WMA Operations

Backup Eject function

Just pressing the [▲] button, ejects the disc.

Listening to a disc already loaded in the unit

Press the [SRC] button to select "CD" mode.

Loading a CD

1. Insert a CD into the centre of the CD SLOT with the labelled side facing up. The CD plays automatically after loading.

Pausing play

1. Press the [OK] button to pause play.
2. To resume CD play, press the [OK] button again.

Switching display

This unit can display title data.

Each time you press the [DISP] button to change the display.

CD-DA disc

Title → Artist → External temperature → Title...

MP3/WMA disc

Title/File name → Artist/Folder → External temperature → Title /File name...

Track up/down

1. Press [▶▶] button to the next track.
2. Press [◀◀] button to the previous track if the playtime is within 5s; otherwise it will move ahead to the beginning

of the current track.

Fast-forward/Fast-reverse

1. Long press the [▶▶] button to fast-forward.
2. Long press the [◀◀] button to fast-reverse.

Folder up/down

1. Press [▲] button to previous folder.
2. Press [▼] button to next folder.

Select a track from list

1. Press [LIST] button to enter audio file list.
2. Press [▲] and [▼] button to select a folder or track.
3. Press [OK] or [▶▶] button to confirm.
- Press [◀◀] button to return to the previous layer

Play mode setting

Repeat play

1. Each time you press [RPT] button:
- **MP3/WMA disc** - REPEAT ALL → REPEAT OFF

Random play

1. Each time you press [RDM] button:
- **CD-DA disc** - Random → Random off
- **MP3/WMA disc** - Random → Random all → Random off
- Random all** - Play all the tracks of a disc in a random order.
- Random** - Play all the tracks of the current folders in a random order.

USB Operations

USB memory device operation

The following operations are the same as for CD mode:

- **Pause**
- **Track selection**
- **Fast-forward/reverse**
- **Repeat play**
- **Random play**
- **Folder selection**

See "CD/MP3/WMA Operations" for details.

Switching display

Each time you press the [DISP] button to change the display.

Title → Artist → Album → Genre → Folder → External temperature → Title...

Select a track from list

1. Press [LIST] button to enter audio file list.
2. Press [▲] and [▼] button to select a track.
3. Press [OK] or [▶▶] button to confirm.
- Press [◀◀] button to return to the previous layer

List selection menu

1. Long press [LIST] button to enter list selection menu.
2. Press [▲] and [▼] button to select folders or playlist.
3. Press [OK] or [▶▶] button to enter the folders or playlist.
4. Press [▲] and [▼] button to select a track.
5. Press [OK] or [▶▶] button to confirm.
- Press [◀◀] button to return to the previous layer.

iPod Operations

Connect

Connect an iPod to the USB connector.

Selecting iPod Mode

1. Press the [SRC] button to switch to iPod mode.

The following operations are the same as for CD mode:

- **Pause**
- **Track selection**
- **Fast-forward/reverse**
- **Repeat play**
- **Random play**

See "CD/MP3/WMA Operations" for details.

Select a track from iPod List menu

1. Long press [LIST] button to enter list selection menu.
2. Press [▲] and [▼] button to select genres or playlist.
3. Press [OK] or [▶▶] button.

Select genres:

1. Press [▲] and [▼] button to select the category list.

Bluetooth Operations

Mobile phones and audio devices that support Bluetooth can be connected for use on the unit.

Bluetooth Pairing

Please pair this unit from your Bluetooth device.

See "Pairing" on page 6 for details.

Bluetooth Audio Operations

The following operations are the same as for CD mode:

- **Pause**
- **Selecting a track**
- **Fast-forward/Fast-reverse**

Switch to Bluetooth Audio Mode

Press the [SRC] button to switch to "BT AUDIO" mode.

Switching Display

Each time you press the [DISP] button to change the display.

Title name → External temperature → Title name...

Bluetooth Telephone Operations

Make Outgoing Call

There are 2 ways to make outgoing call.

- You can press [▼] button to hang up during calling.

• Call from phonebook

User can search the contact name in the phonebook and make call.

Alternatively, user can call from mobile phone.

1. Long press [SRC] button to enter TEL menu.
2. Press [◀◀] or [▶▶] button to select "P-BOOK".
3. Press [OK] button to enter the contact name list.
4. Press [▲] and [▼] button to select the desired contact name.
5. Press [OK] button to enter the phone number list.
- If there are more one than phone No. of the contact name, press [▲] and [▼] button to select a phone No.
6. Press the [OK] button to call the mobile phone No.
- Press [◀◀] button to return to the previous layer.

• Dialed&Missed&Received Call History

The iPod list menu categories list alternate in the following order:

GENRES LIST→ ARTISTS LIST→ ALBUMS LIST→ TRACK LIST

2. Press [OK] or [▶▶] button to confirm.
3. When the track name display is showing, press [OK] or [▶▶] button.
Playback will begin from the first track in the selected category, and the iPod list menu mode will be cancelled.
- Press [◀◀] button to return to the previous layer

Select playlist:

1. Press [▲] and [▼] button to select a list.
2. Press [OK] or [▶▶] button to enter the list.
3. Press [▲] and [▼] button to select a track from the list.
4. Press [OK] or [▶▶] button to play the track.
- Press [◀◀] button to return to return to the previous layer.

You can search the latest 30 dialed&missed call history.

1. Long press [SRC] button to enter TEL menu.
2. Press [◀◀] or [▶▶] button to select "HISTORY".
3. Press [OK] button to enter the dialed&missed&Received call list.
4. Press [▲] and [▼] button to select a call history.
5. If the phonebook has been downloaded, you should press [OK] button to display the phone No.
6. Press the [OK] button to call the mobile phone No.
- Press [◀◀] button to return to the previous layer.

Answering a call

You can answer an incoming call by pressing [SRC] or [OK] or [▲] button.

- Press the [▼] button to reject an incoming call.

Calling menu

1. During calling, press [SRC] button to enter calling menu.
2. Press [◀◀] or [▶▶] button to select setup item:
MICRO↔ TEL MODE ↔ SWITCH
- "TEL MODE" can be performed only when the item "MICRO" is set to "ON".
- "SWITCH" can be performed only when there are more than one calls.
3. Press [SRC] button to return to the calling screen.

• Setting MICRO

1. Select "MICRO" in calling menu.
2. Press [▲] and [▼] button to adjust the value: ON / OFF.
- After 0.5 second, the value can be confirmed automatically

• Setting TEL MODE

1. Select "TEL MODE" in calling menu.
2. Press [▲] and [▼] button to adjust the value: ON / OFF.
- After 0.5 second, the value can be confirmed automatically

Switching call

1. When there are more than one call, select "SWITCH" in calling menu.
2. Press [OK] button to switch between the calls.

AUX Operations

This system has an external input jack on the front panel so you can listen to sounds and music from external devices connected to this unit.

Switching display

Each time you press the [DISP] button to change the display.

AUX→External temperature→AUX...