

KENWOOD

KDC-DAB43U KDC-DAB4557U

CD-RECEIVER INSTRUCTION MANUAL

JVC KENWOOD Corporation

Before reading this manual, click the button below to check the latest edition and the modified pages.



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1. SAFETY

1.1 Safety precaution

▲ WARNING

Do not operate any function that takes your attention away from safe driving.

▲ CAUTION

Volume setting:

- Adjust the volume so that you can hear sounds outside the car to prevent accident.
- Lower the volume before playing digital sources to avoid damaging the speakers by the sudden increase of the output level.

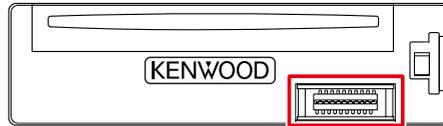
General:

- Avoid using the USB device or iPod/iPhone if it might hinder driving safety.
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of recorded data.
- Never put or leave any metallic objects (such as coins or metal tools) inside the unit, to prevent a short circuit.
- If a disc error occurs due to condensation on the laser lens, eject the disc and wait for the moisture to evaporate.

1.2 Important information

Maintenance

- **Cleaning the unit:** Wipe off the dirt on the panel with a dry silicon or soft cloth.
- **Cleaning the connector:** Detach the faceplate and clean the connector with a cotton swab gently, being careful not to damage the connector.

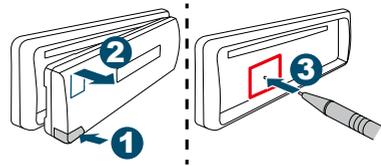


Condensation

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

How to reset your unit

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



Notes

- When you purchase optional accessories, check with your Kenwood dealer to make sure that they can work with your model and in your area.
- Characters that conform to ISO 8859-5 or ISO 8859-1 can be displayed. Refer to [“RUSSIAN SET” of <3.3 Changing the initial settings>](#) (page 9).
- The illustrations of the display and 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 images on the display may be inapplicable.

1.3 Regulatory Compliance

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



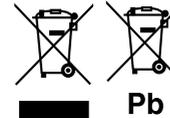
Manufacturer:

JVC KENWOOD Corporation
3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0022, Japan

EU Representative's:

Kenwood Electronics Europe BV
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

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 by products.

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.

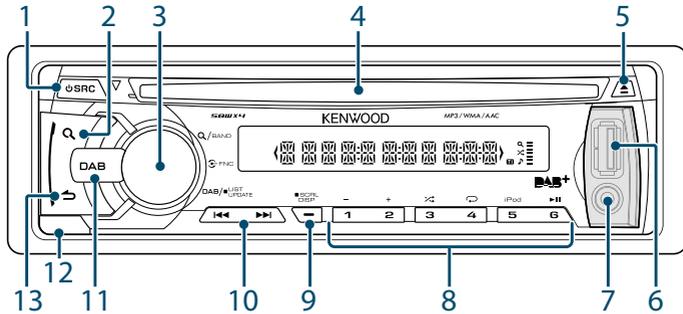
The marking of products using lasers

**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.

2. GETTING STARTED

2.1 Component names and functions



- | | |
|--|---|
| <p>(1) [SRC] button
Press the button to turn on the unit and select the Source.
Press and hold the button to turn off the unit.</p> <p>(2) [Q] button
When listening to the radio, press the button to select a band.
During CD/USB/iPod source playback, press the button to enter the search mode.</p> <p>(3) Volume knob
Turn the knob to adjust volume.
Press the knob to enter Function mode.
Turn and press the knob to select menu setting item.</p> <p>(4) Disc slot</p> <p>(5) [▲] button
Press the button to eject a disc.</p> <p>(6) USB terminal
A USB device or an iPod can be connected.</p> <p>(7) Auxiliary input
Portable audio device can be connected with the mini-plug (3.5 mm ø).</p> <p>(8) [1/ -] [2/ +] [3/ X] [4/ ↺] [5/ iPod] [6/ ▶] button
When listening to the radio, press the button to call a preset station.
During CD/USB/iPod source playback, press the button to perform the following operations:
- [1/ -] [2/ +]: Selects an audio file folder.
- [3/ X]: Selects Random Play.
- [4/ ↺]: Selects Repeat Play.
- [5/ iPod]: Selects App & iPod Control Mode
- [6/ ▶]: Pauses or plays</p> | <p>(9) [DISP/ SCRL] button
Press the button to change display item.
Press and hold the button to scroll through texts on the display.
Press and hold the button to enter the clock adjustment mode directly while in clock display screen.</p> <p>(10) [◀◀] / [▶▶] button
Press the button to select a station and song.</p> <p>(11) [DAB] button
Press to enter DAB source directly while in other than DAB source.
Press to enter DAB Service Search mode while in DAB source.
Press and hold to update DAB Search List information or stop update.</p> <p>(12) Release button
Press the button to detach the faceplate.</p> <p>(13) [↵] button
In each of the selected modes, press the button to return to the previous item.</p> |
|--|---|

The following indicator lights up when...

- TI:** Indicates the reception state of traffic information.
(Being lit: Traffic information is being received. ;
Blinking: Traffic information is not being received.)
- Q:** Indicates that the Music Search, DAB Service List or PTY Search mode is selected now.
- X:** Indicates that the Disc Random, Folder Random or All Random function is ON.
- ♪:** Indicates that a CD, USB, or iPod source is being played.
Being lit: While the source is DAB. Blinking: When the source changed from DAB to Radio Data System.

2.2 Preparation

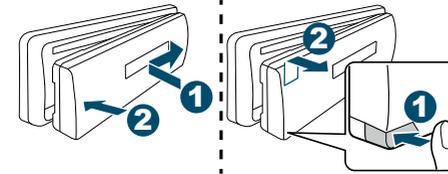
How to read this manual

Operations explained mainly using buttons on the faceplate.

- [] indicates the buttons on the panel.
- **XX** indicates the selected items.

How to attach/detach the faceplate

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



Canceling the demonstration mode

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

When you turn on the power (or after you reset the unit), the display shows:

"CANCEL DEMO" ⇒ "PRESS" ⇒ "VOLUME KNOB"

1 Press the volume knob.

"YES" is selected for the initial setting.

2 Press the volume knob again.

"DEMO OFF" appears.

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

Adjusting the clock

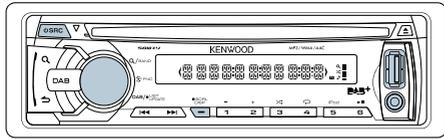
- 1 Press [SCRL DISP] repeatedly to select the clock.
- 2 Press and hold [SCRL DISP] to enter clock adjustment mode.
- 3 Turn the volume knob to adjust the hour, then press to enter minute adjustment.
- 4 Turn the volume knob to adjust the minute, then press the knob.
 - Press [◀◀] / [▶▶] to move between the hour and minute adjustment.

Changing the initial settings

Refer to <3.3 Changing the initial settings> (page 9)

3. GENERAL

3.1 Basic operations



Turning the power ON/OFF

Press [PWR] to turn the power on.
Press and hold [PWR] to turn the power off.

Selecting a source

Press [PWR] repeatedly to select your desired source.

Digital radio ("DAB") → Analog radio ("TUNER")
→ USB or iPod ("USB" or "iPod") → CD ("CD") →
Auxiliary input ("AUX") → Standby ("STANDBY")

Adjusting the volume

Turn the volume knob to adjust the sound volume.

Switching display

Press [SCRL DISP] repeatedly to select an information.
Press and hold [SCRL DISP] to scroll the current display information.

USB terminal

1 Open the cover.

2 Connect a USB device or iPod.

CA-U1EX or KCA-iP102 (optional accessories) is recommended to connect a USB device or iPod.

Auxiliary input

1 Open the cover.

2 Connect a portable audio device using a stereo mini-plug (3.5 mm ø) audio cable.

3.2 Adjusting the clock

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

3 Turn the volume knob to select **CLOCK**, then press the knob.

4 Turn the volume knob to select **CLOCK ADJ**, then press the knob.

5 Turn the volume knob to adjust the hour, then press to enter minute adjustment.

6 Turn the volume knob to adjust the minute, then press the knob.

- Press [◀] / [▶] to move between the hour and minute adjustment.

7 Press and hold [↵] to exit.

Setting the clock

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

3 Turn the volume knob to select **CLOCK**, then press the knob.

4 Turn the volume knob to select **TIME SYNC**, then press the knob.

5 Turn the volume knob to select **ON** or **OFF**, then press the knob.

"ON": The clock time is automatically set using the Clock Time (CT) data in DAB signal.
"OFF": Cancels the usage of Clock Time (CT) data in DAB signal.

6 Press and hold [↵] to exit.

3.3 Changing the initial settings

You can change an initial setting item(s) according to your viewing or listening preference

1 Press [PWR] to select **STANDBY**.

2 Press the volume knob to enter Function mode.

"FUNCTION" appears.

3 Turn the volume knob to select **INITIAL SET**, then press the knob.

4 Turn the volume knob to select a desired setting item, then press the knob.

- See table below for selection.
- Press [↵] to return to the previous item.

5 Press and hold [↵] to exit.

Item	Description
PRESET TYPE	NORMAL : Memorizes one station or channel for each preset button in each band (FM1/ FM2/ FM3/ MW/ LW/ DB1/ DB2/ DB3). ; MIX : Memorizes one station or channel for each preset button regardless of the selected band (FM1/ FM2/ FM3/ MW/ LW/ DB1/ DB2/ DB3).
KEY BEEP	ON / OFF : Activates/deactivates tone emission when a key is pressed.
RUSSIAN SET	ON : Folder name, file name, song title, artist name, album name are displayed in Russian (if applicable). ; OFF : Not displayed in Russian.
P-OFF WAIT	Set the duration until the unit will automatically turn off (while in standby mode) to save the battery. "----": Cancels; 20M : 20 minutes ; 40M : 40 minutes ; 60M : 60 minutes
BUILTIN AUX	ON : Enables AUX in source selection. ; OFF : Disables.
CD READ	"1": Automatically distinguishes between audio file disc and music CD. ; "2": Forces to play as a music CD. No sound can be heard if an audio file disc is played.
DAB L-BAND	ON : Receives L-BAND ensemble with DAB source. ; OFF : Set when there is no L-BAND broadcast station. Ensemble search and Service List information update will be faster.
DAB ANT PWR	ON : Supplies power to the DAB antenna. Set when using the antenna included with KDC-DAB43U. ; OFF : Does not supply power. Set when using passive antenna without booster.
SWITCH PRE	REAR / SUB-W : Select whether rear speakers or a subwoofer are connected to the line out terminals on the rear of the unit (through an external amplifier).
SP SELECT	OFF / 5/4 / 6×9/6 / OEM : Select the speaker size for optimum performance.

F/W UPDATE	UPDATE SYS UPDATE DAB	The current firmware version is displayed. Press the volume knob to update DAB or system firmware. YES : Starts upgrading the firmware. ; NO : Does not upgrade firmware. For details on how to update the firmware, see: www.kenwood.com/cs/ce/
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(Colored text: Factory setting)

3.4 Setting the demonstration mode

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

2 Turn the volume knob to select **DEMO MODE**, then press the knob.

3 Turn the volume knob to select **ON** or **OFF**.

If "ON" is selected, display demonstration starts if no operation is done for about 20 seconds.

4 Press and hold [↵] to exit.

3.5 Muting upon the reception of a phone call

The audio system automatically mutes when it receives an incoming call.

When receiving an incoming call

"CALL" appears.

The audio system pauses.

Listening to the audio during a call

Press [PWR].

"CALL" disappears and the audio system starts again.

Disconnecting the call

Hang up the phone.

"CALL" disappears and the audio system starts again.

To use this function

- To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory.

4. CD/ USB/ iPod

4.1 Start playback

Playing a disc

Insert a disc into the loading slot.
Playback starts automatically.

Removing the disc

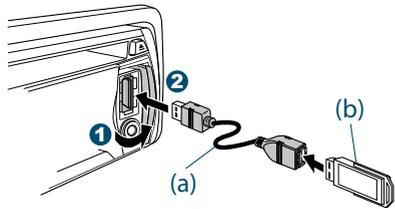
Press [**▲**] to eject a disc.

Playing a USB device or iPod

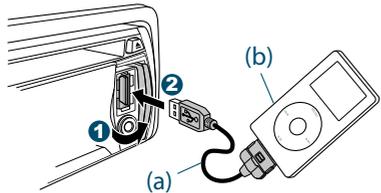
1 Open the cover.

2 Connect a USB device or iPod to the USB terminal.

The source automatically switches, and playback starts.



(a) CA-U1EX (500 mA Max.: optional accessory) is recommended to connect a USB device.
(b) USB device (commercially available)



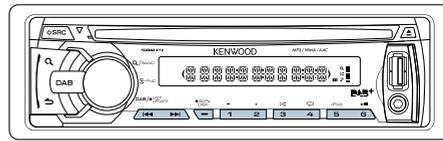
(a) KCA-iP102 connector (optional accessory) is required to connect an iPod.
(b) Apple iPod (commercially available)

Removing the USB device or iPod

1 Press [**⏻** SRC] to select a source other than "USB" or "iPod".

2 Remove the USB device or iPod.

4.2 Basic operations



Selecting a Song

Press [**◀◀**] or [**▶▶**].

Selecting an audio file folder

Press [1 -] or [2 +].

Fast-forwarding or fast-backwarding a Song

Press and hold [**◀◀**] or [**▶▶**].

Pause and play

Press [6 ▶||].

Selecting Repeat Play

Press [4 ↻] repeatedly to make a selection.

Audio CD : TRAC (track) REPEAT, REPEAT OFF

Audio File : FILE REPEAT, FOLD (folder) REPEAT, REPEAT OFF

iPod/ KME-Light/ KMC : FILE REPEAT, REPEAT OFF

Selecting Random Play

Press [3 >↻] repeatedly to make a selection.

Audio CD : DISC RANDOM, RANDOM OFF

Audio File/ iPod/ KME-Light/ KMC :

FOLD (folder) RANDOM, RANDOM OFF

All Random Play

Press and hold [3 >↻].

Pressing this button again plays songs in the normal mode starting.

Audio File/ iPod/ KME-Light/ KMC :

ALL RANDOM, RANDOM OFF

- Changes the iPod browsing item to "songs".

Selecting App & iPod Control Mode

Press [5 iPod] repeatedly to select the control mode.

- **MODE ON** : From the iPod *. "APP&iPod" appears on the display.

- **MODE OFF** : From the unit.

* You can still select an audio file, play/pause and fast-forward/fast-reverse a song of audio file in the iPod from the unit.

Display Selection

Press [SCRL DISP] repeatedly to select an information.

CD: DISC TITLE ; TRACK TITLE ; P-TIME (Track number and playing time) ; CLOCK

Audio File/ iPod (MODE OFF)/ KME-Light/ KMC:

TITLE (Song title and artist) ; ALBUM (Album title and artist) ; FOLDER NAME ; FILE NAME ; P-TIME (Track number and playing time) ; CLOCK

iPod (MODE ON): APP&iPod ; CLOCK

4.3 Music search

You can search for the song you want to play.

1 Press [Q] to enter Music Search mode.

"SEARCH" appears, then the current file name appears on the display.

2 Turn the volume knob to select a folder/ track/ file, then press the knob.

CD: Select the desired track.

Audio file: Select the desired folder, then a file.

iPod/ KME-Light/ KMC: Select the desired file from the list (PLAYLISTS, ARTISTS, ALBUMS, SONGS, PODCASTS*, GENRES, COMPOSERS*).

* Only for iPod.

- To skip songs, press [**◀◀**] / [**▶▶**]. Holding [**◀◀**] / [**▶▶**] for 3 seconds or longer skips songs at 10% regardless of the selected skip ratio. <4.5 Setting the skip search ratio> (page 12)

This operation is effective only for the iPod, KME-Light/ KMC media.

- Turning the volume knob fast in the Music search mode allows you to enter the alphabet search mode. <4.4 Alphabet search> (page 11)

- To return to the root folder (audio file), top menu (iPod, KME-Light/ KMC media) or first track (audio CD), press [5].

- To return to the previous folder, press [↶].

- < or > on the display indicates that preceded/ next item is available.

To cancel the Music search mode

Press and hold [↶].

Undisplayable titles

• If characters of a song name cannot be read, the browse item name and digits are displayed such as "PLIST****" instead.

Items	Display
Playlists	"PLIST****"
Artists	"ART****"
Albums	"ALB****"
Songs	"PRGM****"
Podcasts	"PDCT****"
Genres	"GEN****"
Composers	"COM****"

4.4 Alphabet search

(Function of iPod)

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

1 Press [Q] to enter Music Search mode.

"SEARCH" appears, then the current file name appears on the display.

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

3 Press [Q] again to enter Alphabet Search mode.

"SRCH <_ >" appears.

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

5 Press [**◀◀**] / [**▶▶**] to move to the entry position.

6 Press the volume knob to start searching.

After this step, see step 2 of <4.3 Music search> (page 11) to select a song.

To cancel the Alphabet search mode

Press [↶].

To cancel the Music search mode

Press and hold [↶].

Alphabet search notes

- The time of Alphabet search may become long depending on the number of items (songs) in iPod.
- To search for a character other than A to Z and 0 to 9, enter "**".
- 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.

4. CD/ USB/ iPod

4.5 Setting the skip search ratio

(Function of iPod, KME-Light/ KMC media)

You can change the ratio of skip performed as mentioned in <4.3 Music search> (page 11).

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

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

4 Turn the volume knob to select the skip search ratio from the following options then press the knob.

0.5%/ 1%/ 5%/ 10% : Sets the ratio of skip when searching for a song in Music Search mode.

(Holding [◀◀] / [▶▶] for 3 seconds or longer skips songs at 10% regardless of the selected ratio.)

5 Press and hold [↵] to exit.

4.6 More information

Handling discs

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use any accessories for the disc.
- Clean from the center of the disc and move outward.
- Clean the disc with a dry silicon or soft cloth. Do not use any solvents.
- When removing discs from this unit, pull them out horizontally.
- Remove the rims from the center hole and disc edge before inserting a disc.

Discs that cannot be used

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

About Audio file

- Playable Audio file
: AAC-LC (.m4a), MP3 (.mp3), WMA (.wma)
- Playable disc media: CD-R/RW/ROM
- Playable disc file format: ISO 9660 Level 1/2, Joliet, Romeo, Long file name.
- Playable USB device file system: FAT16, FAT32

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

- Detailed information and notes about the playable audio files are stated in an online manual on the following site:
www.kenwood.com/cs/ce/audiofile/

About USB device

- This unit can play audio files stored on a USB mass storage class device.
- Install the USB device in a place where it does not interfere with your driving.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Make sure all important data has been backed up to avoid losing the data.
- Connecting a cable whose total length is longer than 5 m can result in abnormal playback.
- A USB connection cable, CA-U1EX (optional accessory) is required for connecting a USB device.

About compatible iPod/iPhone

Made for

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

- Latest compatible list of iPod/iPhone.

For details, see: www.kenwood.com/cs/ce/ipod

- Type of control available varies depending on the type of connected iPod.

For details, see: www.kenwood.com/cs/ce/ipod

- The word "iPod" appearing in this manual indicates the iPod or iPhone connected to this unit with a connection cable, KCA-iP102 (optional accessory).
- If you start playback after connecting the iPod, the music that has been played by the iPod is played first.

In this case, "RESUMING" appears without displaying a folder name, etc. Changing the browse item will display a correct title, etc.

- You cannot operate iPod if "KENWOOD" or "✓" displayed on iPod.

About "KENWOOD Music Editor Light" and "KENWOOD Music Control"

- This unit supports the PC application "KENWOOD Music Editor Light" (hereinafter "KME-Light"), and Android™ application "KENWOOD Music Control" (hereinafter "KMC").
- When you use the audio file with database information added by the "KENWOOD Music Editor Light" or "KENWOOD Music Control", you can search for a file by title, album or artist name using Music Search.
- "KENWOOD Music Editor Light" and "KENWOOD Music Control" are available from the following web site: www.kenwood.com/cs/ce/

5. DIGITAL RADIO (DAB)

5.1 Preparations

Update Service List information

Press and hold [DAB] to start Service List update.

"LIST UPDATE" appears and update starts.

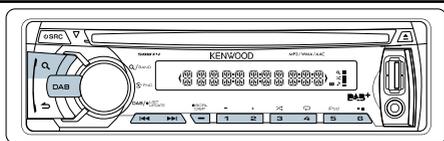
"UPDATED" appears when update completes.

To cancel the Service List update

Press and hold [DAB].

- Updating DAB search list information takes up to 3 minutes. No interruption such as DAB sound and operation or traffic information is possible while updating.

5.2 Basic operations



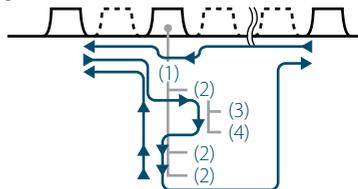
Search for a service

- Press [DAB] to enter DAB source.
- Press [Q] repeatedly to select a band (DB1, DB2, DB3).
- Press and hold [◀] / [▶] to search for an ensemble.
- Press [◀] / [▶] to select an ensemble, service or component to listen.
 - The tuning mode can be changed. Refer to <SEEK MODE> (page 17).

About selection of a service and component

- Press [▶] to receive ensemble, then select service > component in sequence.

When [◀] is pressed, primary service is selected when ensemble changes and primary is selected when service changes.



- (1) Ensemble
- (2) Service
- (3) Primary
- (4) Secondary

◀, ▲ : Press [◀]

▶, ▼ : Press [▶]

Service Preset Memory

Press and hold [1] to [6] to memorize the current service.

"STORED" appears.

Recall the service in the memory

Press [1] to [6] to recall memorized service.

About Mix Station preset mode

- In Mix Station preset mode, different bands and tuner sources (digital radio, analog radio) can be saved in the same preset layer, which allows you to recall the desired station without switching between bands or tuner sources. A maximum of six stations can be preset in the Mix Station preset mode. See <PRESET TYPE> (page 9)

Display Selection

Press [SCRL DISP] repeatedly to select an information.

SERVICE (Service label) ; DYNAMIC (Dynamic label) ; PTY LABEL (PTY label) ; ENSEMBLE (Ensemble label) ; SIGNAL LV (Signal strength ; "STRONG": Good ; "WEAK": Bad ; "NO SIG": No signal) ; BIT RATE (Transmission speed of the audio service) ; CH NUMBER ; CLOCK

5.3 Selecting a service

Obtain the Service List information first

- Press and hold [DAB] to update DAB search list information.

1 Press [DAB] to enter Service Search mode.

"SERVICE LST" appears.

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

- To skip a character at a time, press [◀] / [▶].
- Turning the volume knob fast in the Service Search mode allows you to enter the alphabet search mode. <5.4 Alphabet Search for service> (page 15)
- "NO LIST" appears when no Service List is obtained.

To cancel the Service Search mode

Press [↵].

5.4 Alphabet Search for service

Obtain the Service List information first

- Press and hold [DAB] to update DAB search list information.

1 Press [DAB] to enter Service Search mode.

"SERVICE LST" appears.

2 Press [Q] to enter Alphabet Search mode.

"< ABCDEFGHIJK >" appears.

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

- Press [◀] / [▶] to scroll up or down by a page.

4 Press the volume knob to start searching.

After this step, see step 2 of <5.3 Selecting a service> (page 15) to select a service.

To cancel the Alphabet search mode

Press [Q].

To cancel the Service Search mode

Press [↵].

5.5 PTY (Program Type)

Selecting the Program Type below and searching for a station.

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

3 Turn the volume knob to select **PTY SEARCH**, then press the knob.

4 Turn the volume knob to select the available Program Type.

- Set the displayed language with <LANG SELECT> (page 17).

5 Press [◀] / [▶] to start searching.

To exit the Function mode

Press and hold [↵].

Available Program Type

- SPEECH; MUSIC; NEWS; AFFAIRS; INFO; SPORT; EDUCATE; DRAMA; CULTURE; SCIENCE; VARIED; POP M (music); ROCK M (music); EASY M (music); LIGHT M (music); CLASSICS; OTHER M (music); WEATHER; FINANCE; CHILDREN; SOCIAL; RELIGION; PHONE IN; TRAVEL; LEISURE; JAZZ; COUNTRY; NATION M (music); OLDIES; FOLK M (music); DOCUMENT
- The unit will search for the Program type categorized under "SPEECH" or "MUSIC" if selected.
- "SPEECH": Black letter items. ; "MUSIC": Colored letter items.

Notes

- When the selected Program Type is not found, "NO PTY" appears. Select another Program Type.
- The operation ends automatically if you do not operate within 30 seconds.

5. DIGITAL RADIO (DAB)

5.6 PTY Watch Select

After registering a desired programme type, when the programme in the registered type starts in the Ensemble being received, the Service is automatically switched.

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

3 Turn the volume knob to select **PTY WATCH**, then press the knob.

4 Turn the volume knob to select the available Program Type, then press the knob.

- Set the displayed language with <LANG SELECT> (page 17).

5 Press and hold [↵] to exit.

Available Program Type

- "WATCH OFF": Disables PTY Watch (does not switch to the programme in the registered type).
- NEWS; AFFAIRS; INFO; SPORT; EDUCATE; DRAMA; CULTURE; SCIENCE; VARIED; POP M (music); ROCK M (music); EASY M (music); LIGHT M (music); CLASSICS; OTHER M (music); WEATHER; FINANCE; CHILDREN; SOCIAL; RELIGION; PHONE IN; TRAVEL; LEISURE; JAZZ; COUNTRY; NATION M (music); OLDIES; FOLK M (music); DOCUMENT

5.7 Announcement select

Either accepting or not accepting the interruption of each announcement provided by Ensemble providers can be set by each type.

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

3 Turn the volume knob to select **ASW SELECT**, then press the knob.

4 Turn the volume knob to select the announcement.

- Set the displayed language with <LANG SELECT> (page 17).

5 Press the volume knob to turn on ("**" appears) or off.

6 Press and hold [↵] to exit.

To disable the announcement interruption

Switch the announcement interruption setting from Permission to Prohibition.

Available Announcement:

- TRAVEL, WARNING, NEWS, WEATHER, EVENT, SPECIAL, RAD INF (information), SPORTS, FINANCE.

5.8 Changing the digital radio settings

You can change a digital radio setting item(s) according to your listening preference.

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

3 Turn the volume knob to select a desired setting item, then press the knob.

- See table below for selection.

- Press [↵] to return to the previous item.

4 Press and hold [↵] to exit.

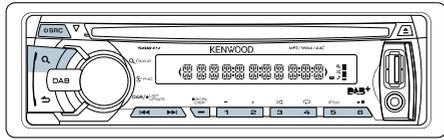
Item	Description
SEEK MODE	Sets the tuning mode.
	Press [◀▶] Press and hold [◀▶]
AUTO1	Select an ensemble, service or component. Automatically searches for an ensemble.
AUTO2	Search in the order of the services in the preset memory. —
MANUAL	Select an ensemble, service or component. Manually search for an ensemble
PRIORITY	ON: Switches automatically to FM and enables listening of same program when DAB signal strength becomes weak. In DAB to FM case, the unit keeps DAB source. And it returns DAB sound when DAB reception becomes good again. Also, when listening to FM, switches to DAB source if there is same program in DAB. ; OFF: Does not switch to FM automatically.
ASW SELECT	Refer to <5.7 Announcement select> (page 16).
LIST UPDATE	AUTO: Automatically updates the DAB Service List when ACC is turned ON. ; MANU: Updates the DAB Service List when DAB button is pressed.
PTY SEARCH	Refer to <5.5 PTY (Program Type)> (page 15).
PTY WATCH	Refer to <5.6 PTY Watch Select> (page 16).
LANG SELECT	Select the language to be used for DAB source "ASW SELECT"/"PTY SEARCH"/"PTY WATCH", and TUNER source "PTY SEARCH". ENGLISH/ FRENCH/ GERMAN
TI	ON: Temporarily switches to Traffic Information. ; OFF: Does not switch to Traffic information

DAB SET	
TI	Selectable only if any source other than DAB source is selected.
PRIORITY	
ASW SELECT	
LIST UPDATE	

(Colored text : Factory setting)

6. ANALOG RADIO

6.1 Basic operations



Search for a station

- 1 Press [SRC] to select **TUNER**.
- 2 Press [Q] repeatedly to select a band (FM1, FM2, FM3, MW/LW).
- 3 Press [◀▶] / [▶▶] to select a station.
 - The tuning mode can be changed. Refer to <SEEK MODE> (page 19).

Station Preset Memory

Press and hold [1] to [6] to memorize the current station.
"STORED" appears.

Recall the stations in the memory

Press [1] to [6] to recall memorized station.

About Mix Station preset mode

- In Mix Station preset mode, different bands and tuner sources (digital radio, analog radio) can be saved in the same preset layer, which allows you to recall the desired station without switching between bands or tuner sources. A maximum of six stations can be preset in the Mix Station preset mode. See <PRESET TYPE> (page 9)

Display Selection

Press [SCRL DISP] repeatedly to select an information.

FM: ST NAME (Station name); RADIO TEXT; RT PLUS *1 (Radio text plus); TITLE *1 (Song title or artist name); FREQUENCY; CLOCK

AM: FREQUENCY; CLOCK

*1 Information of Radio text plus appears.

6.2 Auto memory

You can register 6 stations with good reception automatically.

- 1 Press the volume knob to enter **Function mode**.
"FUNCTION" appears.
 - 2 Turn the volume knob to select **SETTINGS**, then press the knob.
 - 3 Turn the volume knob to select **AUTO MEMORY**, then press the knob.
 - 4 Turn the volume knob to select **YES**, then press the knob.
When 6 stations that can be received are stored in the memory, the process in this mode is completed.
- Preparation**
- Selectable only if "NORM" is selected for "PRESET TYPE". See <PRESET TYPE> (page 9)

6.3 PTY (Program Type)

Selecting the Program Type below and searching for a service.

- 1 Press the volume knob to enter **Function mode**.
"FUNCTION" appears.
- 2 Turn the volume knob to select **SETTINGS**, then press the knob.
- 3 Turn the volume knob to select **PTY SEARCH**, then press the knob.
- 4 Turn the volume knob to select the available **Program Type**.
- Set the displayed language with <LANG SELECT> (page 19).
- 5 Press [◀▶] / [▶▶] to start searching.

To exit the Function mode

Press and hold [↵].

Available Program Type

- SPEECH; MUSIC; NEWS; AFFAIRS; INFO; SPORT; EDUCATE; DRAMA; CULTURE; SCIENCE; VARIED; POP M (music); ROCK M (music); EASY M (music); LIGHT M (music); CLASSICS; OTHER M (music); WEATHER; FINANCE; CHILDREN; SOCIAL; RELIGION; PHONE IN; TRAVEL; LEISURE; JAZZ; COUNTRY; NATION M (music); OLDDIES; FOLK M (music); DOCUMENT
- The unit will search for the Program type categorized under "SPEECH" or "MUSIC" if selected.
"SPEECH": Black letter items.; "MUSIC": Colored letter items.

Notes

- When the selected Program Type is not found, "NO PTY" appears. Select another Program Type.
- The operation ends automatically if you do not operate within 30 seconds.

6.4 Changing the analog radio settings

You can change an analog radio setting item(s) according to your listening preference.

- 1 Press the volume knob to enter **Function mode**.
"FUNCTION" appears.
- 2 Turn the volume knob to select **SETTINGS**, then press the knob.
- 3 Turn the volume knob to select a desired **setting item, then press the knob**.
- See table below for selection.
- Press [↵] to return to the previous item.
- 4 Press and hold [↵] to exit.

Item	Description
LOCAL SEEK †	ON: Searches only FM stations with good reception. ; OFF: Disables search function.
SEEK MODE	Sets the tuning mode. AUTO1: Automatic search for a station. ; AUTO2: Search in order of the stations in the preset memory. ; MANUAL: Normal manual tuning.
PTY SEARCH †	Refer to <6.3 PTY (Program Type)> (page 18).
LANG SELECT †	Select the language to be used for DAB source "ASW SELECT"/"PTY SEARCH"/"PTY WATCH", and TUNER source "PTY SEARCH". ENGLISH/ FRENCH/ GERMAN
AUTO MEMORY	Refer to <6.2 Auto memory> (page 18).
MONO SET †	ON: Improves the FM reception (but the stereo effect may be lost). ; OFF: Does not improve FM reception but resumes stereo effect.
TI †	ON: Temporarily switches to Traffic Information. ; OFF: Does not switch to Traffic information. (Not applicable if "MW/LW" is selected)
NEWS SET †	00M – 90M: Sets the time for receiving the next news bulletin. ; OFF: Cancels.
AF SET †	ON: Automatically searches for another station broadcasting the same program in the same Radio Data System network with better reception when the current reception is poor. ; OFF: Disables search.
REGIONAL †	ON: Switches to another station only in the specific region using the "AF" control. ; OFF: Disables search.

ATP SEEK †	ON: Automatically searches for a station with better reception when the traffic information's reception is poor. ; OFF: Disables search.
TUNER SET	
TI	Selectable only if any source other than tuner source is selected.
NEWS SET	
AF SET	
REGIONAL	
ATP SEEK	

(Colored text: Factory setting)

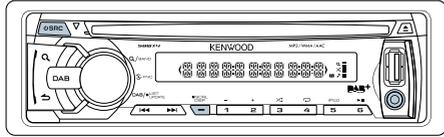
† Selectable only when the band is FM.

7. AUX

7.1 Start listening

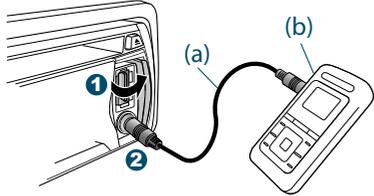
Preparation:

- Select "ON" for "BUILT-IN AUX". See <3.3 Changing the initial settings> (page 9)



1 Open the cover.

2 Connect a portable audio player (commercially available).



- (a) 3.5 mm stereo mini plug audio cable (commercially available)
- (b) Portable audio device (commercially available)

3 Press [SRC] to select **AUX**.

4 Turn on the portable audio player and start playback.

Display Selection

Press [SCRL DISP] repeatedly to select an information.

SOURCE NAME ; CLOCK

7.2 Set the AUX name

You can set the AUX name to be displayed when switching to the AUX source.

1 Press the volume knob to enter **Function mode**.

"FUNCTION" appears.

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

3 Turn the volume knob to select **AUX NAME**, then press the knob.

4 Turn the volume knob to select a desired **AUX name to be displayed for AUX source** and then press the knob.

"AUX", "DVD", "PORTABLE", "GAME", "VIDEO", or "TV".

5 Press and hold [↵] to exit.

8. AUDIO SETTINGS

8.1 Audio controls

You can adjust audio by setting the following audio control items;

1 Press [SRC] to select a source other than "STANDBY".

2 Press the volume knob to enter **Function mode**.

"FUNCTION" appears.

3 Turn the volume knob to select **AUDIO CTRL**, then press the knob.

4 Turn the volume knob to select an **audio control item**, then press the knob.

- See table below for selection.
- Repeat step 4 until the desired item is selected/activated.
- Press [↵] to return to the previous item.

5 Press and hold [↵] to exit.

Display	Description
SUB-W LEVEL ^{††}	-15 to +15 (0): Adjust the subwoofer output level.
BASS LEVEL	-8 to +8 (0): Adjust the level to memorize in each source. (Before making an adjustment, select the source you want to adjust.)
MID LEVEL	
TRE LEVEL	
EQ PRO	
BASS ADJUST	
BASS C FRQ	60/ 80/ 100/ 200: Select the center frequency.
BASS LEVEL	-8 to +8 (0): Adjust the level.
BASS Q FCTR	1.00/ 1.25/ 1.50/ 2.00: Adjust the quality factor.
BASS EXTEND	ON: Turns on the extended bass. ; OFF: Turns off the extended bass.
MID ADJUST	
MID C FRQ	0.5K/ 1.0K/ 1.5K/ 2.5K: Select the center frequency.
MID LEVEL	-8 to +8 (0): Adjust the level.
MID Q FCTR	0.75/ 1.00/ 1.25: Adjust the quality factor.
TRE ADJUST	
TRE C FRQ	10.0K/ 12.5K/ 15.0K/ 17.5K: Select the center frequency.
TRE LEVEL	-8 to +8 (0): Adjusts the level.
PRESET EQ	NATURAL/ USER/ ROCK/ POPS/ EASY/ TOP40/ JAZZ/ POWERFUL: Select a preset sound mode suitable to the music genre. (Select "USER" to use the customized bass, middle, and treble settings.)
BASS BOOST	LV1/ LV2/ LV3: Select your preferred bass boost level. ; OFF: Disables level selection.
LOUDNESS	LV1/ LV2: Select your preferred low and high frequencies boost to produce a well-balanced sound at a low volume level. ; OFF: Disables level selection.

BALANCE	L15 to R15 (0): Adjust the left and right speaker output balance.
FADER	R15 to F15 (0): Adjust the rear and front speaker output balance.
SUB-W SET [†]	ON: Turns on the subwoofer output. ; OFF: Turns off the subwoofer output.
DETAIL SET	
LPF SUB-W ^{††}	THROUGH: All signals are sent to the subwoofer. ; 85HZ/ 120HZ/160HZ: Frequencies higher than the specified value are cut off.
SUB-W PHASE ^{††}	REV (180°)/ NORM (0°): Select the phase angle of the subwoofer output to be in line with the speaker output for optimum performance. (Selectable only if a setting other than "THROUGH" is selected for "LPF SUB-W".)
SUPREME SET	ON: Creates realistic sound by interpolating the high-frequency components that are lost in MP3/WMA/AAC audio compression. ; OFF: Disables creation. (Selectable only when playing back an MP3/WMA/AAC disc or a USB device, except iPhone/iPod.)
VOL OFFSET	-8 to +8 (0) (for AUX) ; -8 to 0 (for other sources): Presets the volume adjustment level of each source. The volume level will automatically increase or decrease when you change the source. (Before making an adjustment, select the source you want to adjust.)

(Colored text: Factory setting)

[†] "SUB-W LEVEL"/"SUB-W SET"/"LPF SUB-W"/"SUB-W PHASE" is selectable only if "SWITCH PRE" is set to "SUB-W".

^{††} "SUB-W LEVEL"/"LPF SUB-W"/"SUB-W PHASE" is selectable only if "SUB-W SET" is set to "ON".

About 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.

9. DISPLAY SETTINGS

9.1 Display & Illumination setting

You can set the display and illumination.

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

3 Turn the volume knob to select a desired setting item, then press the knob.

- See table below for selection.

- Press [**↵**] to return to the previous item.

4 Press and hold [↵**] to exit.**

Display	Description
DISP & KEY (for KDC-DAB43U)	
COLOR SEL	VARI SCAN/ COLOR 01 — COLOR 24/ USER: Select your preferred key illumination color. You can create your own color. See <9.2 Adjusting the Illumination color> (page 22).
DISP DIMMER	ON : Dims the display illumination. ; OFF : Does not dim.
TEXT SCROLL	AUTO/ ONCE : Select whether to scroll the display information automatically, or scroll only once. ; OFF : Disables scroll function.
KEY DIMMER	DIMMER LV1 : Dims the key illumination constantly. ; DIMMER LV2 : Dims the key illumination darker than "DIMMER LV1". ; DIMMER OFF : Does not dim.
DISPLAY (for KDC-DAB4557U)	
DISP DIMMER	ON : Dims the display illumination. ; OFF : Does not dim.
TEXT SCROLL	AUTO/ ONCE : Select whether to scroll the display information automatically, or scroll only once. ; OFF : Disables scroll function.

(Colored text: Factory setting)

9.2 Adjusting the Illumination color

(Function of **KDC-DAB43U**)

You can adjust the illumination color of the panel.

1 Press the volume knob to enter Function mode.

"FUNCTION" appears.

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

3 Turn the volume knob to select *DISP & KEY*, then press the knob.

4 Turn the volume knob to select *COLOR SEL*, then press the knob.

5 Turn the volume knob to select *COLOR 01* — *COLOR 24* or *USER*.

6 Press and hold the volume knob to enter the detailed color adjustment.

7 Press [◀◀**] / [**▶▶**] to select the color (R/ G/ B) to adjust.**

8 Turn the volume knob to adjust the level (0 — 9), then press the knob.

9 Press the volume knob to exit the detail color adjustment.

10 Press and hold [↵**] to exit.**

10. TROUBLESHOOTING

10.1 Setting error

If you make a mistake in setting a control item(s), some functions of this unit may be disabled.

- **Cannot set up display.**
 - The demonstration mode is not turned off as mentioned in [<3.4 Setting the demonstration mode> \(page 9\)](#).
- **Cannot set up the subwoofer.**
- **Cannot set up the low pass filter.**
- **No output from the subwoofer.**
 - "SUB-W SET" is not set to ON as mentioned in [<8.1 Audio controls> \(page 21\)](#).
- **Cannot set up the subwoofer phase.**
 - "LPF SUB-W" is set to "THROUGH" as mentioned in [<8.1 Audio controls> \(page 21\)](#).

10.2 Operation/wiring error

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

General

- **The key beep does not sound**
 - The Preout jack is in use.
 - The key beep cannot be output from the Preout jack.
 - "KEY BEEP" is set to "ON" as mentioned in [<3.3 Changing the initial settings> \(page 9\)](#).
- **Sound cannot be heard.**
 - Adjust the volume to the optimum level.
 - Check the cords and connections.
 - The connectors are dirty.
 - Clean the connectors. Refer to [<Maintenance> \(page 4\)](#).
- **The unit does not turn on.**
- **Information shown on the display is incorrect.**
 - The connectors are dirty.
 - Clean the connectors. Refer to [<Maintenance> \(page 4\)](#).

DAB source

- **DAB reception is poor.**
 - If an antenna included with KDC-DAB43U is used, set DAB ANT PWR "ON". See [<DAB ANT PWR> \(page 9\)](#).

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 with reference to [<Handling discs> \(page 12\)](#).
 - The disc is severely scratched.
 - Try another disc instead.
- **Disc cannot be ejected.**
 - The unit is malfunctioning for some reason.
 - Press and hold **[▲]** to forcibly eject the disc. Be careful not to drop the disc when it is ejected. If this does not solve the problem, reset the unit. See [<How to reset your unit> \(page 4\)](#).

Audio file source

- **The sound skips when an Audio file is being played.**
 - The media is scratched or dirty.
 - Clean the CD with reference to [<Handling discs> \(page 12\)](#).
 - The recording condition is bad.
 - Play the media again or use another media.

10.3 Error messages

The messages shown below indicates your system condition.

- **"PLS EJECT"**
 - The unit is malfunctioning for some reason.
 - Press and hold **[▲]**.
 - Press the reset button on the unit. If the "PLS EJECT" code does not disappear, consult your nearest service center.
- **"TOC ERROR"**
 - The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.
 - The disc is unreadable.
- **"PROTECT" (blink)**
 - The speaker wire has short-circuited or touched the chassis of the vehicle, and then the protection function has been activated.
 - Lay or insulate the speaker cable properly and press the Reset button. If "PROTECT" does not disappear, consult your nearest service center.
- **"NA FILE"**
 - An Audio file is played in a format that is not supported by this unit.
- **"COPY PRO"**
 - A copy-protected file is played.
- **"READ ERROR"**
 - The file system of the connected USB device is broken.
 - Copy the files and folders for the USB device again. If "Read Error" is still displayed, initialize the USB device or use another USB device.
- **"NO DEVICE"**
 - A USB device is selected as a source although no USB device is connected.
 - Change the source to any source other than the USB device. Connect an USB device, and change the source to the USB device again.
- **"NA DEVICE"**
 - An unsupported USB device is connected.
 - Check that the connected USB device is supported. See [<About USB device> \(page 13\)](#).
 - Connection to the iPod has failed.
 - Check that the connected iPod is supported. See [<About compatible iPod/iPhone> \(page 13\)](#) for information on supported iPods.
- **"NO MUSIC"**
 - The connected USB device contains no playable audio file.
 - A medium that does not have playable data has been played.
- **"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.
- **"iPod ERROR"**
 - Connection to the iPod has failed.
 - Remove the iPod/ iPhone and then reconnect it.
 - Reset iPod/ iPhone.
- **"DAB ANT ERR"**
 - The antenna has a short-circuit and the protective circuit has activated.
 - Check the DAB antenna. If a passive antenna without a booster is used, set DAB ANT PWR "OFF". See [<DAB ANT PWR> \(page 9\)](#).

11. SPECIFICATIONS

11.1 Specifications of each section

DAB tuner section

Frequency range
L Band: 1452.960 MHz — 1490.624 MHz
Band III: 174.928 MHz — 239.200 MHz
Sensitivity
: -100 dBm
Signal to Noise ratio
: 80 dB

FM tuner section

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

MW tuner section

Frequency range (9 kHz step)
: 531 kHz – 1611 kHz
Usable sensitivity (S/N = 20dB)
: 36 µV

LW tuner section

Frequency range (9 kHz step)
: 153 kHz – 279 kHz
Usable sensitivity (S/N = 20dB)
: 57 µV

CD player section

Laser diode
: GaAlAs
Digital filter (D/A)
: 8 Times Over Sampling
D/A Converter
: 24 Bit
Spindle speed (Audio files)
: 500 – 200 rpm (CLV)
Wow & Flutter
: Below Measurable Limit
Frequency response (±1 dB)
: 20 Hz – 20 kHz
Total harmonic distortion (1 kHz)
: 0.01 %
Signal to Noise ratio (1 kHz)
: 105 dB
Dynamic range
: 93 dB
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

USB Standard
: USB1.1/ 2.0 (Full speed)
File System
: FAT16/ 32
Maximum Supply current
: DC 5 V \pm 1 A
MP3 decode
: Compliant with MPEG-1/2 Audio Layer-3
WMA decode
: Compliant with Windows Media Audio
AAC decode
: AAC-LC “.m4a” files

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
Bass : 100 Hz ±8 dB
Middle : 1 kHz ±8 dB
Treble : 12.5 kHz ±8 dB
Preout level/ Load (CD)
: 2500 mV/10 kΩ
Preout impedance
: ≤ 600 Ω

Auxiliary input

Frequency response (±3 dB)
: 20 Hz – 20 kHz
Input Maximum Voltage
: 1200 mV
Input Impedance
: 10 kΩ

DAB Antenna Connector

Connector type
: SMB
Output Voltage
: 14.4 V (11 V — 16 V)
Maximum Current
: <100 mA

General

Operating voltage
: 14.4 V (11 – 16V allowable)
Maximum Current consumption
: 10 A
Installation Size (W x H x D)
: 182 x 53 x 160 mm
Weight
: 1.2 kg

11.2 Trademarks

- The “AAC” logo is a trademark of Dolby Laboratories.



- iTunes is a trademark of Apple Inc.
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