

KENWOOD

CD-RECEIVER

KDC-W3534

INSTRUCTION MANUAL

Kenwood Corporation



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Safety precautions

⚠ 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.
- Mounting and wiring this product requires skills and experience. For safety's sake, leave the mounting and wiring work to professionals.

⚠ CAUTION

To prevent damage to the machine, take the following precautions:

- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not 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.
- Do not subject the faceplate to excessive shock, as it is a piece of precision equipment.
- When replacing a fuse, only use a new fuse with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.

Do Not Load 8 cm (3 in.) CDs in the CD slot

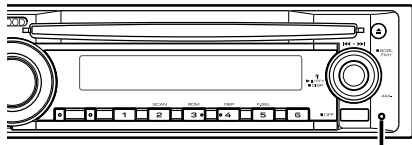
If you try to load a 8 cm (3 in.) CD with its adapter into the unit, the adapter might separate from the CD and damage the unit.

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.

Notes

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



Reset button

- The characters which can be displayed by this unit are A-Z 0-9 @ " ' ` % & * + - = , . / \ < > [] () : ; ^ - { } | ~ .
- The RDS feature won't work where the service is not supported by any broadcasting station.
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable.

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.

This Product is not installed by the manufacturer of a vehicle on the production line, nor by the professional importer of a vehicle into an EU Member State.

Information on Disposal of Old Electrical and Electronic Equipment (applicable for EU countries that have adopted separate waste collection systems)



Products with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.

Old electrical and electronic equipment should be recycled at a facility capable of handling these items and their waste byproducts. 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.

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



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.

- ### Playable MP3 file

- ### Playable WMA file

- ## Playable media

- 

- ## Playable disc format

- ### Limitation of structure for the file and the folder

- ### Playing order of the Audio file

Example




→ ♩ ②, ♩ ③, ♩ ④, ♩ ⑤...

- Forward file search during ③ play.

Forward folder search during ② play.

When the selection is set to directory **[4]**, and you want to skip to the folder **[2]** at the same level.

Push the Control knob towards [◀◀ → 2]

When the selection is set to directory , moves the level up by folder select.

Push the Control knob towards [AM] ➡ 2

About CDs

Handling CDs

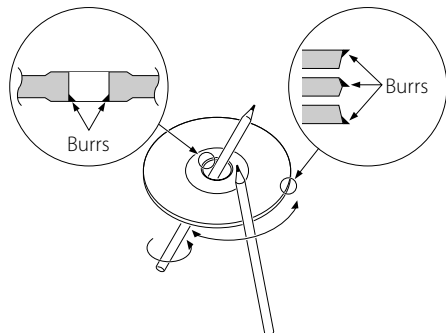
- Do not touch the recording surface of the CD.



- CD-R and CD-RW are easier to damage than a normal music CD. Use a CD-R or a CD-RW after reading the caution items on the package etc.
- Do not stick tape etc. on the CD, or use a CD with tape stuck on it.

When using a new CD

If the CD center hole or outside rim has burrs, use the CD only after removing the burrs with a ballpoint pen, etc.

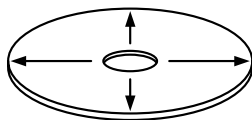


CD accessories

Do not use disc type accessories.

CD cleaning

Clean from the center of the disc and move outward.

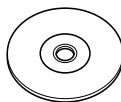


Removing CDs

When removing CDs from this unit, pull them out horizontally.

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



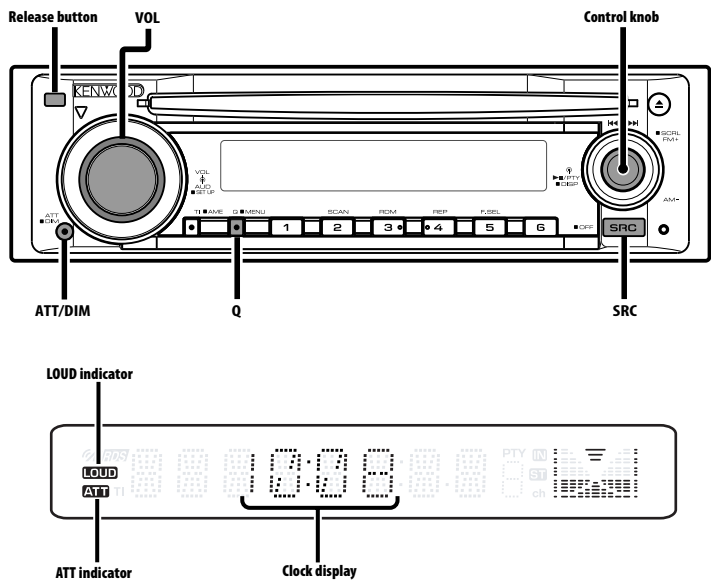
This unit may not correctly play discs which do not have the mark.

- 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.)

CD storage

- Do not place CDs in direct sunlight (On the seat or dashboard etc.) or where the temperature is high.
- Store CDs in their cases.

General features



Power

Turning ON the Power
Press the [SRC] button.

Turning OFF the Power
Press the [SRC] button for at least 1 second.

Selecting the Source

Press the [SRC] button.

Source required	Display
Tuner	"TUNER"
CD	"CD"
Standby (Illumination only mode)	"STANDBY"



- This unit automatically turns full power OFF after 20 minutes lapses in Standby mode in order to save the vehicle's battery.
The time until full power OFF can be set in <Power OFF Timer> (page 23).

Volume

Increasing Volume
Turn the [VOL] knob clockwise.

Decreasing Volume
Turn the [VOL] knob counterclockwise.

Attenuator

Turning the volume down quickly.

Press the [ATT] button.
Each time you press the button, the Attenuator turns ON and OFF.
When the Attenuator is ON, the "ATT" indicator blinks.

System Q

Selecting the best sound setting preset for different types of music.

1 Select the source to set
Press the [SRC] button.

2 Select the Sound type
Press the [Q] button.

When you press the button once, the current sound setting is displayed.
Each time you press the button, the sound setting alternates.

Sound setting	Display
Natural	"NATURAL"
Rock	"ROCK"
Pops	"POPS"
Easy	"EASY"
Top 40	"TOP40"
Jazz	"JAZZ"



- Change each setting value with the <Speaker Setting> (page 10).
First, select the speaker type with the Speaker setting.
- When the value is set up by <Audio Control> (page 9), "USER" is displayed.

Audio Control

1 Select the source to adjust
Press the [SRC] button.

2 Enter Audio Control mode
Press the [VOL] knob.

3 Select the Audio item to adjust
Press the [VOL] knob.

Each time you press the knob, the item to be adjusted alternates between the items shown in the table below.

4 Adjust the Audio item
Turn the [VOL] knob.

Adjustment Item	Display	Range
Bass level	"BAS L"	-8 — +8
Middle level	"MID L"	-8 — +8
Treble level	"TRE L"	-8 — +8
Balance	"BAL"	Left 15 — Right 15
Fader	"FAD"	Rear 15 — Front 15
<i>Exit Audio Control mode (Volume control mode)</i>		

5 Exit Audio Control mode
Press any button.

Press a button other than the [VOL] knob, [SRC], [▲] and [ATT] button.

General features

Audio Setup

Setting the Sound system, such as Volume offset and Loudness.

1 Select the source to adjust

Press the [SRC] button.

2 Enter Audio Setup mode

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

3 Select the Audio Setup item to adjust

Press the [VOL] knob.

Each time you press the knob, the item to be adjusted alternates between the items shown in the table below.

4 Adjust the Audio setup item

Turn the [VOL] knob.

Adjustment Item	Display	Range
Volume offset	"V-OFF"	-8 — ±0
Loudness	"LOUD"	ON/OFF



- Volume offset: Sets each source's volume as a difference from the basic volume.
- Loudness: Compensates for low and high tones during low volume.
When Loudness is ON, "LOUD" indicator is ON.

5 Exit Audio Setup mode

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

Speaker Setting

Fine-tuning so that the System Q value is optimal when setting the speaker type.

1 Enter Standby

Press the [SRC] button.

Select the "STANDBY" display.

2 Enter Speaker Setting mode

Press the [VOL] knob.

3 Select the Speaker type

Turn the [VOL] knob.

Each time you turn the knob, the setting alternates between the settings shown in the table below.

Speaker type	Display
OFF	"SP OFF"
For 5 & 4 in. speaker	"SP 5/4"
For 6 & 6x9 in. speaker	"SP 6*9/6"
For the OEM speaker	"SP OEM"

4 Exit Speaker Setting mode

Press the [VOL] knob.

Switching Display

Changing the information displayed.

1 Enter Switching Display mode

Press the Control knob for at least 1 second.

"DISP SEL" is displayed.

2 Select the Display item

Push the Control knob towards [◀◀] or [▶▶].

In Tuner source

Information	Display
Program Service name or Frequency (FM)	"FREQ/PS"
Frequency (MW, LW)	"FREQ"
Clock	"CLOCK"

In CD source

Information	Display
Disc title	"D-TITLE"*
Track title	"T-TITLE"*
Track number & Play time	"P-TIME"
Clock	"CLOCK"

In Audio file source

Information	Display
Song title & Artist name	"TITLE"*
Album name & Artist name	"ALBUM"*
Folder name	"FOLDER"
File name	"FILE"
Track number & Play time	"P-TIME"
Clock	"CLOCK"

In Standby

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

3 Exit Switching Display mode

Press the Control knob.



- * If the contents of the information cannot be displayed, Play time is displayed.
- Album name cannot be displayed in WMA file.

Dimmer Control

You can lower the brightness of the display by using the dimmer function.

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

Each time you press the button for 1 second, the Dimmer control turns ON or OFF.
When the Dimmer control is ON, "DIM ON" is displayed.

Theft Deterrent Faceplate

The faceplate of the unit can be detached and taken with you, helping to deter theft.

Removing the Faceplate

Press the Release button.

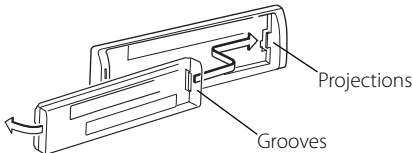
The faceplate unlocks, allowing you to detach it.



- 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 expose the faceplate (and the faceplate case) to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.

Reattaching the Faceplate

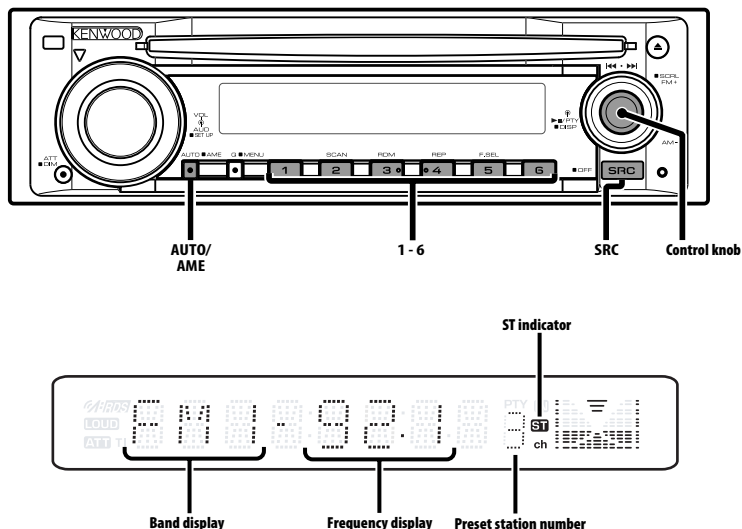
1 Align the projections on the unit with the grooves on the faceplate.



2 Push the faceplate in until it clicks.

The faceplate is locked in place, allowing you to use the unit.

Tuner features



Tuning

Selecting the station.

1 Select tuner source

Press the [SRC] button.

Select the "TUNER" display.

2 Select the band

Push the Control knob towards [FM] or [AM].

Each time you push the knob toward [FM], it switches between the FM1, FM2, and FM3 bands.

3 Tune up or down band

Push the Control knob towards [◀◀] or [▶▶].



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

Station Preset Memory

Putting a station in the memory.

1 Select the band

Push the Control knob towards [FM] or [AM].

2 Select the frequency to put in the memory

Push the Control knob towards [◀◀] or [▶▶].

3 Put the frequency in the memory

Press the desired [1] — [6] button for at least 2 seconds.

The preset number display blinks 1 time.

On each band, 1 station can be put in the memory on each [1] — [6] button.

Auto Memory Entry

Putting stations with good reception in the memory automatically.

1 Select the band for Auto Memory Entry

Push the Control knob towards [FM] or [AM].

2 Open Auto Memory Entry

Press the [AME] button for at least 2 seconds.

"A-MEMORY" is displayed.

When 6 stations that can be received are put in the memory, Auto Memory Entry closes.



- When the <AF (Alternative Frequency)> (page 22) is ON, only RDS stations are put in the memory.
- When Auto Memory Entry is done in the FM2 band, the RDS stations preset in the FM1 band are not put in the memory.

Likewise, when Auto Memory Entry is done in the FM3 band, RDS stations preset in FM1 or FM2 are not put in the memory.

Preset Tuning

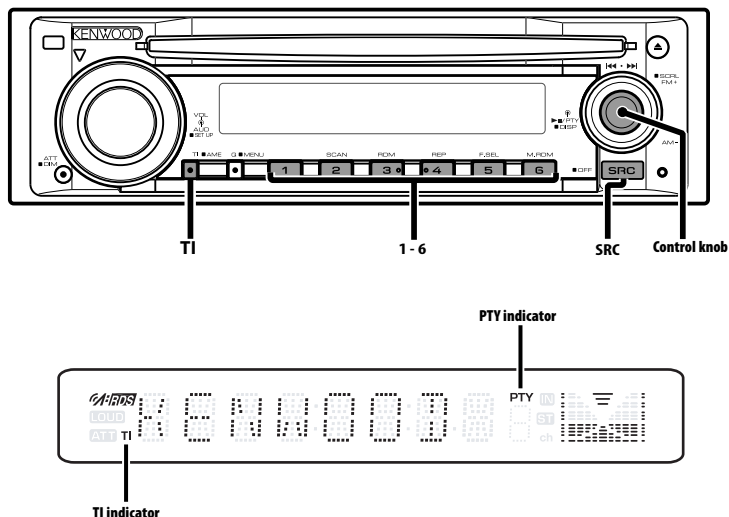
Recalling the stations in the memory.

1 Select the band

Push the Control knob towards [FM] or [AM].

2 Recall the station

Press the desired [1] — [6] button.



Traffic Information

Changing to traffic information automatically when a traffic bulletin starts even when you are not listening to the radio.

Press the [TI] button.

Each time you press the button, the Traffic information function turns ON and OFF. When traffic information is ON, "TI" indicator is ON.

When a traffic information station is not being received the "TI" indicator blinks.

When a traffic bulletin starts, "TRAFFIC" is displayed and the audio changes to traffic information.



- During reception of an AM station when the Traffic Information function is turned ON, the frequency changes to an FM station.
- During reception of traffic information the adjusted volume is automatically remembered, and the next time the audio changes to traffic information, the volume automatically becomes the remembered volume.

Receiving other traffic information stations

Push the Control knob towards [◀◀] or

[▶▶].



- Traffic information can be switched when it is on the Tuner Source. However, you cannot switch the Traffic information during reception of the Traffic bulletin switched from the source other than the Tuner.

PTY (Program Type)

Selecting the Program Type and searching for a station.

1 Enter PTY mode

Press the Control knob.

During PTY mode the "PTY" indicator is ON.



- This function cannot be used during a traffic bulletin or AM reception.

2 Select the Program Type

Push the Control knob towards [FM] or [AM].

Each time you push the knob, the Program Type alternates between program types shown in the table below.

No.	Program Type	Display
1.	Speech	"SPEECH"
2.	Music	"MUSIC"
3.	News	"NEWS"
4.	Current Affairs	"AFFAIRS"
5.	Information	"INFO"
6.	Sport	"SPORT"
7.	Education	"EDUCATE"
8.	Drama	"DRAMA"
9.	Culture	"CULTURE"
10.	Science	"SCIENCE"
11.	Varied	"VARIED"
12.	Pop Music	"POP M"
13.	Rock Music	"ROCK M"
14.	Easy Listening Music	"EASY M"
15.	Light Classical	"LIGHT M"
16.	Serious Classical	"CLASSICS"
17.	Other Music	"OTHER M"
18.	Weather	"WEATHER"
19.	Finance	"FINANCE"
20.	Children's programs	"CHILDREN"
21.	Social Affairs	"SOCIAL"
22.	Religion	"RELIGION"
23.	Phone In	"PHONE IN"
24.	Travel	"TRAVEL"
25.	Leisure	"LEISURE"
26.	Jazz Music	"JAZZ"
27.	Country Music	"COUNTRY"
28.	National Music	"NATION M"
29.	Oldies Music	"OLDIES"
30.	Folk Music	"FOLK M"
31.	Documentary	"DOCUMENT"



- Speech and Music include the Program type shown below.
Music: No.12 — 17, 26 — 30
Speech: No.3 — 11, 18 — 25, 31
- You can put the Program Type in the [1] — [6] button memory and for quick recall. Refer to the <Program Type preset> (page 15).
- You can change the display language. Refer to <Changing Language for PTY Function> (page 16).

3 Search for the selected Program Type station

Push the Control knob towards [◀◀] or [▶▶].

When you want to search for other stations, push [◀◀] or [▶▶] of the Control knob again.



- When the selected Program Type is not found, "NO PTY" is displayed. Select another Program Type.

4 Exit PTY mode

Press the Control knob.

Program Type preset

Putting the Program Type in the Preset button memory and quick recall.

Presetting the Program Type

1 Select the Program Type to preset

Refer to <PTY (Program Type)> (page 15).

2 Preset the Program Type

Press the desired [1] — [6] button for at least 2 seconds.

Recalling the preset Program Type

1 Enter PTY mode

Refer to <PTY (Program Type)> (page 15).

2 Recall the Program Type

Press the desired [1] — [6] button.

Changing Language for PTY Function

Selecting the Program Type display language.

1 Enter PTY mode

Refer to <PTY (Program Type)> (page 15).

2 Enter Changing Language mode

Press the [TI] button.

3 Select the language

Push the Control knob towards [FM] or [AM].

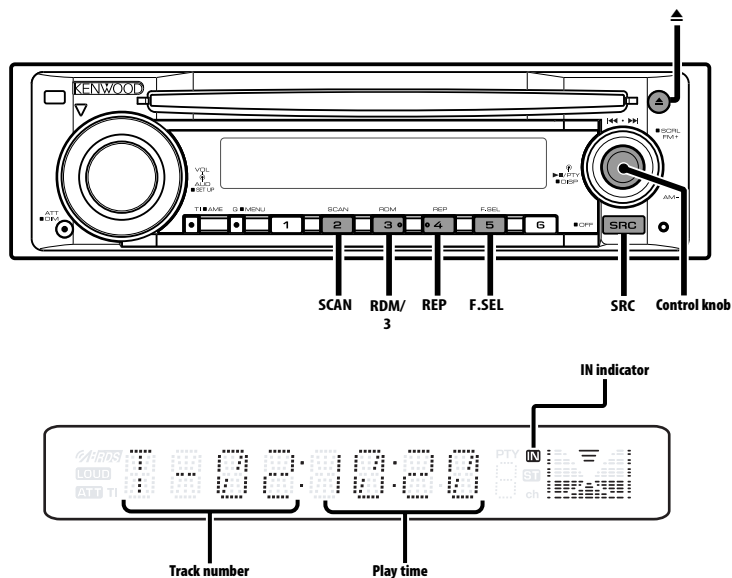
Each time you push the knob, the language alternates between the languages shown in the table below.

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

4 Exit Changing Language mode

Press the [TI] button.

CD player features



Playing CD & Audio file

When a disc is inserted

Press the [SRC] button.
Select the "CD" display.



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

Pause and play

Press the Control knob.
Each time you press the knob, the audio pauses or plays.

Eject the CD

Press the [▲] button.

Fast Forwarding and Reversing

Fast Forwarding

Hold down toward [▶▶] with the Control knob.
Release to resume the playback.

Reversing

Hold down toward [◀◀] with the Control knob.
Release to resume the playback.



- There is no sound while the Audio file is being searched.

CD player features

Track/File Search

Searching for a song on the disc or in the Audio file folder.

Push the Control knob towards [◀◀] or [▶▶].

Function of Audio file

Folder Search

Selecting the folder recorded on the Audio file media.

Push the Control knob towards [FM] or [AM].

Track/File/Folder Repeat

Replaying the song or Audio file folder you are listening to.

Press the [REP] button.

Each time you press the button, the Repeat Play alternates between the modes shown in the tables below.

In CD source

Repeat play	Display
Track Repeat	"TRAC REP"
OFF	"REP OFF"

In Audio file source

Repeat play	Display
File Repeat	"FILE REP"
Folder Repeat	"FOLD REP"
OFF	"REP OFF"

Scan Play

Playing the first part of each song on the disc or Audio file folder you are listening to and searching for the song you want to hear.

1 Start Scan Play

Press the [SCAN] button.

"TRAC SCN"/ "FILE SCN" is displayed.

2 Release it when the song you want to listen to is played

Press the [SCAN] button.

Random Play

Play all the songs on the disc or Audio file folder in random order.

Press the [RDM] button.

Each time you press the button, Random Play turns ON or OFF.

When the Random mode is ON, "DISC RDM"/ "FOLD RDM" is displayed.



- When you push the Control knob toward [▶▶], the next random song starts.

Function of Audio file

Folder Select

Quickly selecting the folder you want to hear.

1 Enter Folder Select mode

Press the [F.SEL] button.

"FOLD SEL" is displayed.

During Select mode the folder information is displayed as shown below.

Folder name display

Displays the current folder name.



2 Select the folder level

Push the Control knob towards [FM] or [AM].

With the [FM] of the Control knob, you move 1 level down and with the [AM] of the Control knob, 1 level up.

Selecting a folder in the same level

Push the Control knob towards [◀◀] or [▶▶].

With the [◀◀] of the Control knob, you move to the previous folder, and with the [▶▶] of the Control knob, to the next folder.

Returning to the top level

Press the [3] button.

Scrolling the folder name display

Push the Control knob toward [FM] for at least 2 seconds.

3 Decide the folder to play

Press the Control knob.

The Folder Select mode releases, and the Audio file in the folder being displayed plays.

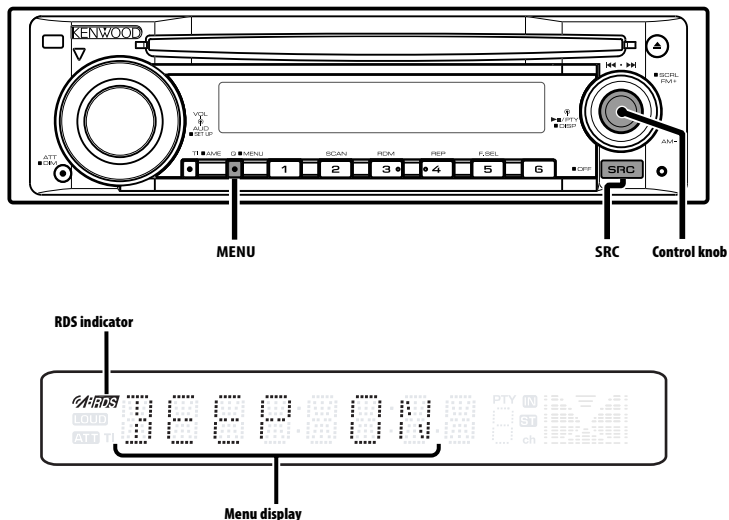
Cancelling the Folder Select mode

Press the [F.SEL] button.

Text/Title Scroll

Scrolling the displayed CD text or Audio file text.

Push the Control knob toward [FM] for at least 2 seconds.



Menu System

Setting beep sound during operation, etc. functions.

The Menu system basic operation method is explained here. The reference for the Menu items and their setting content is after this operation explanation.

1 Enter Menu mode

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

2 Select the menu item

Push the Control knob towards [FM] or [AM].
Example: When you want to set the beep sound select the "BEEP" display.

3 Set the menu item

Push the Control knob towards [◀◀] or [▶▶].

Example: When you select "BEEP", each time you push the knob it alternates between "BEEP ON" or "BEEP OFF". Select 1 of them as the setting.

You can continue by returning to step 2 and setting other items.

4 Exit Menu mode

Press the [MENU] button.



- When other items those applicable to the basic operation method above are displayed, their setting content chart is entered. (Normally the setting listed at the top of the chart is the original setting.) Also, the explanation for items that are not applicable (<Manual Clock Adjustment> etc.) are entered step by step.

In Standby mode

Touch Sensor Tone

Setting the operation check sound (beep sound) ON/OFF.

Display	Setting
"BEEP ON"	Beep is heard.
"BEEP OFF"	Beep canceled.

In Standby mode

Manual Clock Adjustment



- You can do this adjustment when the <Synchronize Clock> (page 21) is set as OFF.

1 Select Clock Adjustment mode

Push the Control knob towards [FM] or [AM].

Select the "CLK ADJ" display.

2 Enter Clock Adjust mode

Press the Control knob for at least 1 second.

The clock display blinks.

3 Adjust the hours

Push the Control knob towards [FM] or [AM].

Adjust the minutes

Push the Control knob towards [◀◀] or [▶▶].

4 Exit Clock adjustment mode

Press the [MENU] button.

In Standby mode

Synchronize Clock

Synchronizing the RDS station time data and this unit's clock.

Display	Setting
"SYNC ON"	Synchronizes the time.
"SYNC OFF"	Adjust the time manually.



- It takes 3 to 4 minutes to synchronize the clock.

In Audio file source

Supreme Setting

When MP3 or WMA files encoded at a low bit rate (less than 96kbps (fs=32k, 44.1k, 48kHz)) are played, this function restores their high frequency region to approach the sound quality of equivalents of these files encoded at a high bit rate. Processing is optimized for the compression format used (MP3, or WMA), and adjustment is made for the bit rate used.

Display	Setting
"SPRM ON"	Plays sound using the Supreme function.
"SPRM OFF"	Plays the original sound stored in the audio file.



- The sound effect may be imperceptible depending on the relationship between the audio file format and setting.

Menu system

News Bulletin with Timeout Setting

The tuner automatically changes when a news bulletin starts even if the radio is not being listened to. Also, you can set the time interval when interruption is prohibited.

Display and Setting

"NEWS OFF"

"NEWS 00M"

⋮

"NEWS 90M"

When you set "NEWS 00M" — "NEWS 90M", the News Bulletin Interrupt function is ON. When the News Bulletin is ON, the "NEWS" indicator is ON.

When the news bulletin starts, "NEWS" is displayed, and the tuner changes to the news bulletin.



- If you choose the "20MIN" setting, further news bulletins will not be received for 20 minutes once the first news bulletin is received.
- The news bulletin volume is the same level that was set for <Traffic Information> (page 14).
- This news bulletin function is only available if the desired station sends PTY-code for news bulletin or belongs to <Enhanced Other Network>-Network sending PTY-code for news bulletin.
- When the News Bulletin Interrupt function is ON, the tuner changes to an FM station.

In Tuner mode

Local Seek

Only stations whose reception is good are searched in auto seek tuning.

Display Setting

"LO.S OFF" The local seek function is OFF.

"LO.S ON" The local seek function is ON.

In Tuner mode

Tuning Mode

Sets the tuning mode.

Tuning mode	Display	Operation
Auto seek	"AUTO 1"	Automatic search for a station.
Preset station seek	"AUTO 2"	Search in order of the stations in the Preset memory.
Manual	"MANUAL"	Normal manual tuning control.

AF (Alternative Frequency)

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

Display Setting

"AF ON" The AF function is ON.

"AF OFF" The AF function is OFF.

When the AF function is ON, the "RDS" indicator is ON.



- When no other stations with stronger reception are available for the same program in the RDS network, you may hear the incoming broadcast in bits and snatches. Turn OFF the AF function in such a case.

Restricting RDS Region (Region Restrict Function)

You can choose whether or not to restrict the RDS channels, received with the AF function for a particular network, to a specific region.

Display Setting

"REG ON" The Region Restrict Function is ON.

"REG OFF" The Region Restrict Function is OFF.



- If AF function is not restricted to the specified region and network, the AF function sets up to search the station with good reception in the same RDS network.

Auto TP Seek

When the TI function is ON and the reception is poor while listening to a traffic information station, another traffic information station with better reception will be searched for automatically.

Display	Setting
"ATPS ON"	The Auto TP Seek Function is ON.
"ATPS OFF"	The Auto TP Seek Function is OFF.

In FM reception

Monaural Reception

You can reduce the noise when stereo broadcasts are received as monaural.

Display	Setting
"MONO OFF"	The monaural reception is OFF.
"MONO ON"	The monaural reception is ON.

Text Scroll

Setting the displayed text scroll.

Display	Setting
"SCL MANU"	Doesn't scroll.
"SCL AUTO"	Scrolls when the display changes.



- The text scrolled is listed below.
 - CD text
 - Folder name/ File name/ Song title/ Artist name/ Album name

In Standby mode

Power OFF Timer

Setting the timer to turn this unit's power OFF automatically when Standby mode continues. Using this setting can save the vehicle's battery power.

Display	Setting
"OFF -- --"	Power OFF Timer function is OFF.
"OFF 20M" (Original setting)	Turns the power OFF after 20 minutes.
"OFF 40M"	Turns the power OFF after 40 minutes.
"OFF 60M"	Turns the power OFF after 60 minutes.

In Standby mode

CD Read Setting

When there is a problem with playing a CD with special format, this setting plays the CD by force.

Display	Setting
"CD READ1"	Play CD and Audio file.
"CD READ2"	Play CD by force.

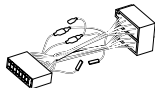


- Setting "CD READ2" cannot play Audio file. Some music CDs may not play even in the "CD READ2" mode.

Accessories/ Installation Procedure

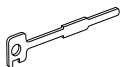
Accessories

①



.....1

②



.....2

③



.....1

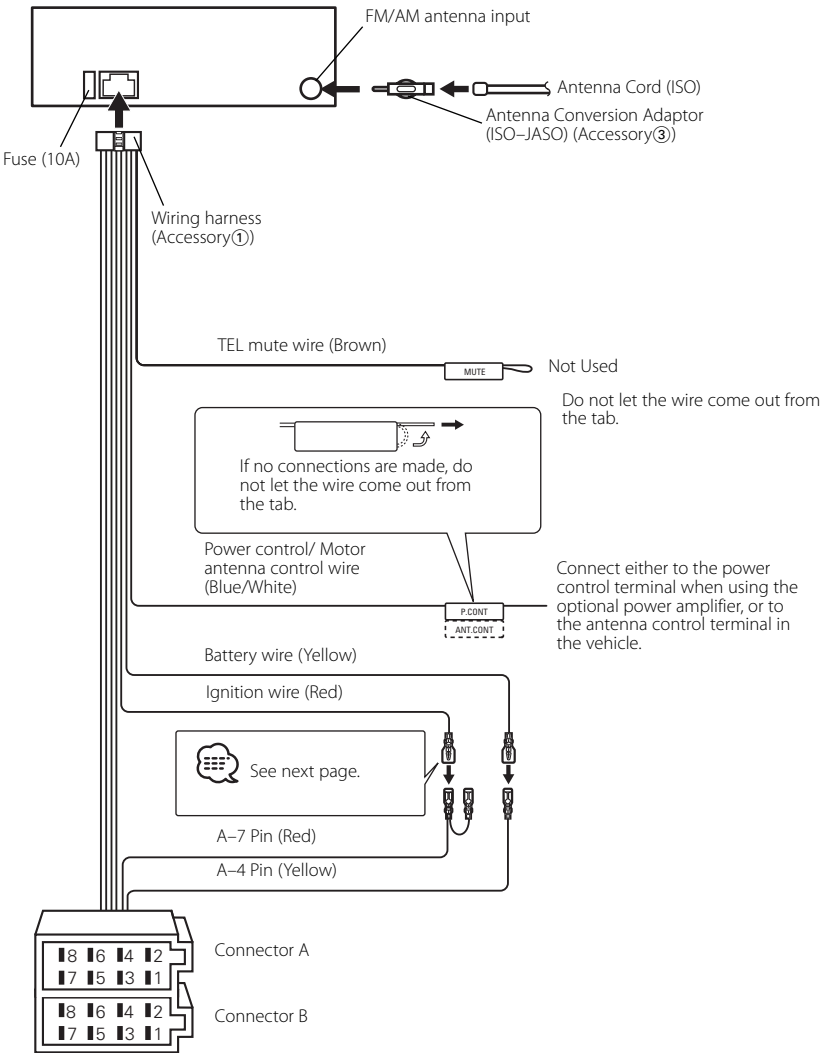
Installation Procedure

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



- If the power is not turned ON (or it is ON, but will be OFF immediately), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- If your car is not prepared for this special connection-system, consult your Kenwood dealer.
- Only use antenna conversion adaptors (ISO-JASO) when the antenna cord has an ISO plug.
- Make sure that all wire connections are securely made by inserting jacks until they lock completely.
- If your vehicle's ignition does not have an ACC position, or if the ignition wire is connected to a power source with constant voltage such as a battery wire, the power will not be linked with the ignition (i.e., it will not turn on and off along with the ignition). If you want to link the unit's power with the ignition, connect the ignition wire to a power source that can be turned on and off with the ignition key.
- If the fuse blows, first make sure that the wires have not caused a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent short circuits, also do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may receive damage or fail to work if you share the ⊖ wires and/or ground them to any metal part in the car.
- After the unit is installed, check whether the brake lamps, indicators, wipers, etc. on the car are working properly.
- If the console has a lid, make sure to install the unit so that the faceplate does not hit the lid when closing and opening.
- Mount the unit so that the mounting angle is 30° or less.

Connecting Wires to Terminals



Connecting Wires to Terminals

Connector Function Guide

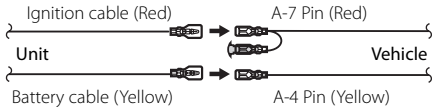
Pin Numbers for ISO Connectors	Cable Colour	Functions
External Power Connector		
A-4	Yellow	Battery
A-5	Blue/White	Power Control
A-7	Red	Ignition (ACC)
A-8	Black	Earth (Ground) Connection
Speaker Connector		
B-1	Purple	Rear Right (+)
B-2	Purple/Black	Rear Right (-)
B-3	Gray	Front Right (+)
B-4	Gray/Black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

⚠️WARNING

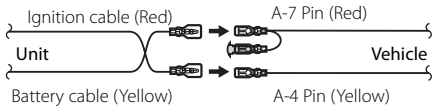
Connecting the ISO Connector

The pin arrangement for the ISO connectors depends on the type of vehicle you drive. Make sure to make the proper connections to prevent damage to the unit. The default connection for the wiring harness is described in [1] below. If the ISO connector pins are set as described in [2] or [3], make the connection as illustrated. Please be sure to reconnect the cable as shown [2] below to install this unit to the **Volkswagen** vehicles etc.

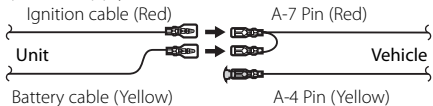
[1] (Default setting) The A-7 pin (red) of the vehicle's ISO connector is linked with the ignition, and the A-4 pin (yellow) is connected to the constant power supply.



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



[3] The A-4 pin (yellow) of the vehicle's ISO connector is not connected to anything, while the A-7 pin (red) is connected to the constant power supply (or both the A-7 (red) and A-4 (yellow) pins are connected to the constant power supply).



- When the connection is made as in [3] above, the unit's power will not be linked to the ignition key. For that reason, always make sure to turn off the unit's power when the ignition is turned off.

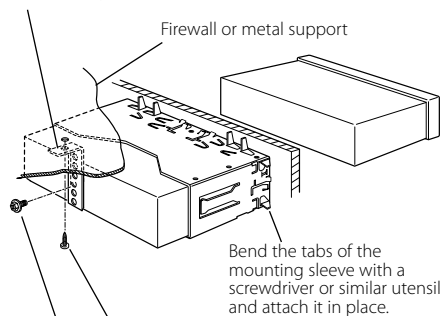
To link the unit's power to the ignition, connect the ignition cable (ACC...red) to a power source that can be turned on and off with the ignition key.

Installation

Installation

Metal mounting strap
(commercially available)

Firewall or metal support



Bend the tabs of the
mounting sleeve with a
screwdriver or similar utensil
and attach it in place.

Self-tapping screw
(commercially available)

Screw (M4X8)
(commercially available)

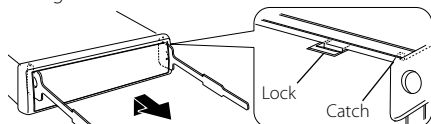


- Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (for example, the sound may skip).

Removing the Unit

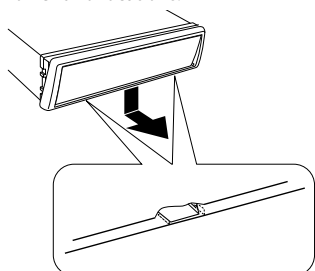
Removing the hard rubber frame

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



Accessory 2
Removal tool

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

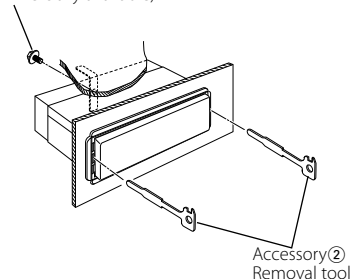


- The frame can be removed from the bottom side in the same manner.

Removing the Unit

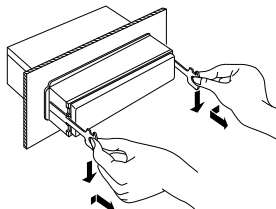
- 1 Refer to the section <Removing the hard rubber frame> (page 28) and then remove the hard rubber frame.
- 2 Remove the screw (M4 × 8) on the back panel.
- 3 Insert the two removal tools deeply into the slots on each side, as shown.

Screw (M4X8)
(commercially available)

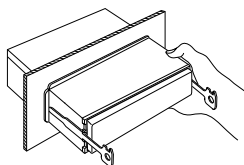


Accessory 2
Removal tool

- 4 Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside.



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



Troubleshooting Guide

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

General

? The power does not turn ON.

- ✓ The fuse has blown.
 - ⓘ After checking for short circuits in the wires, replace the fuse with one with the same rating.

? There's a source you can't switch.

- ✓ There's no media inserted.
 - ⓘ Set the media you want to listen to. If there's no media in this unit, you can't switch to each source.

? The memory is erased when the ignition is turned OFF.

- ✓ The ignition and battery wire are incorrectly connected.
 - ⓘ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.

? Even if Loudness is turned ON, high-pitched tone isn't compensated for.

- ✓ Tuner source is selected.
 - ⓘ High-pitched tone isn't compensated for when in Tuner source.

? No sound can be heard, or the volume is low.

- ✓ The fader or balance settings are set all the way to one side.
 - ⓘ Center the fader and balance settings.
- ✓ The input/output wires or wiring harness are connected incorrectly.
 - ⓘ Reconnect the input/output wires or the wiring harness correctly. See the section on <Connecting Wires to Terminals>.
- ✓ The values of Volume offset are low.
 - ⓘ Turn up the Volume offset, referring to the section on <Audio Setup> (page 10).

? The sound quality is poor or distorted.

- ✓ One of the speaker wires is being pinched by a screw in the car.
 - ⓘ Check the speaker wiring.
- ✓ The speakers are not wired correctly.
 - ⓘ Reconnect the speaker wires so that each output terminal is connected to a different speaker.

? Even though Synchronize Clock is ON, the clock can't be adjusted.

- ✓ The received RDS station isn't sending time data.
 - ⓘ Receive another RDS station.

Tuner source

? Radio reception is poor.

- ✓ The car antenna is not extended.
 - ⓘ Pull the antenna out all the way.
- ✓ The antenna control wire is not connected.
 - ⓘ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.

Disc source

? The specified disc does not play, but another one plays instead.

- ✓ The specified CD is quite dirty.
E38 Clean the CD.

- ✓ The disc is severely scratched.
E38 Try another disc instead.

? A CD ejects as soon as it is loaded.

- ✓ The CD is quite dirty.
E38 Clean the CD, referring to the CD cleaning of the section on <About CDs> (page 7).

? Can't remove disc.

- ✓ The cause is that more than 10 minutes has elapsed since the vehicle ACC switch was turned OFF.
E38 The disc can only be removed within 10 minutes of the ACC switch being turned OFF. If more than 10 minutes has elapsed, turn the ACC switch ON again and press the Eject button.

? The disc won't insert.

- ✓ There's already another disc inserted.
E38 Press the [▲] button and remove the disc.

? Direct Search can't be done.

- ✓ Another function is ON.
E38 Turn Random Play or other functions OFF.

Audio file source

? Cannot play an Audio file.

- ✓ The media is scratched or dirty.
E38 Clean the media, referring to the CD cleaning of the section on <About CDs> (page 7).

? The sound skips when an Audio file is being played.

- ✓ The media is scratched or dirty.
E38 Clean the media, referring to the CD cleaning of the section on <About CDs> (page 7).
- ✓ The recording condition is bad.
E38 Record the media again or use another media.

? The Audio file track time isn't displayed correctly.

- ✓ ---
E38 There are times when it isn't displayed correctly according to the Audio file recording conditions.

? Supreme does not take effect when it is turned ON.

- ✓ Little high-frequency component.
E38 Supreme would not take effect with songs with little high-frequency component.
- ✓ Songs that have not been encoded at bit rates at 96 kbps or less ($f_s = 32k, 44.1k, 48k$ Hz) or those that have been encoded at a variable bit rate cannot be decoded to reproduce their high-frequency components.
E38 ---

The messages shown below display your systems condition.

TOC ERR:	The CD is quite dirty. The CD is upside-down. The CD is scratched a lot. ➡ Clean the CD and load it correctly.
E-05:	The CD is upside-down. ➡ Load the CD correctly.
E-15:	Media was played that doesn't have data recorded that the unit can play. ➡ Use media that has data recorded that the unit can play.
E-99:	The unit is malfunctioning for some reason. ➡ Press the reset button on the unit. If the "E-99" code does not disappear, consult your nearest service center.
HOLD:	The protective circuit in the unit activates when the temperature inside the automatic disc changer exceeds 60°C (140°F), stopping all operation. ➡ Cool down the unit by opening the windows or turning on the air conditioner. As the temperature falls below 60°C (140°F), the disc will start playing again.
READING:	The unit is reading the data on the disc.
IN (Blink):	The CD player section is not operating properly. ➡ Reinsert the CD. If the CD cannot be ejected or the display continues to flash even when the CD has been properly reinserted, please switch off the power and consult your nearest service center.
PROTECT:	The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated. ➡ Wire or insulate the speaker cable properly and press the reset button.
NA FILE:	An Audio file is played with a format that this unit can't support. ➡ ----
COPY PRO:	A copy-protected file is played. ➡ ----

Specifications

Specifications subject to change without notice.

FM tuner section

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

MW tuner section

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

LW tuner section

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

CD player section

Laser diode
: GaAlAs
Digital filter (D/A)
: 8 Times Over Sampling
D/A Converter
: 1 Bit
Spindle speed
: 1000 – 400 rpm (CLV 2times)
Wow & Flutter
: Below Measurable Limit
Frequency response (\pm 1 dB)
: 10 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

Audio section

Maximum output power
: 45 W x 4
Output power (DIN 45324, +B=14.4V)
: 28 W x 4
Speaker Impedance
: 4 - 8 Ω
Tone action
Bass : 100 Hz \pm 8 dB
Middle : 1 kHz \pm 8 dB
Treble : 10 kHz \pm 8 dB

General

Operating voltage (11 – 16V allowable)
: 14.4 V
Current consumption
: 10 A
Installation Size (W x H x D)
: 182 x 53 x 155 mm
Weight
: 1.4 kg