KENWOOD

CD-RECEIVER

KDC-334SA
KDC-334SG

INSTRUCTION MANUAL

Kenwood Corporation

COMPACT
disc
DIGITAL AUDIO

РСТ
CH01

Contents

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.

⚠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 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 3-in. CDs in the CD slot
If you try to load a 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 condesnation 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.
- If the unit fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.
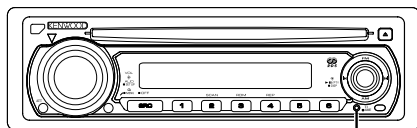
Reset button

- Characters in the LCD may become difficult to read in temperatures below 5 ˚C (41 ˚F).
- 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 erases 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.

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

**CLASS 1
LASER PRODUCT**

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. This means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

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.

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.

Burrs

Burrs
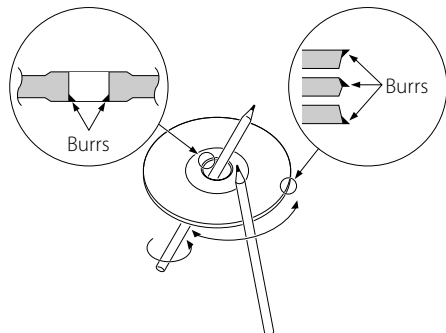
CD accessories
Do not use disc type accessories.

CD cleaning
Clean from the center of the disc and move outward.
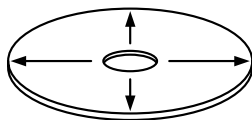
Removing CDs
When removing CDs from this unit pull them out horizontally.

CDs that can't be used
• CDs that are not round cannot be used.
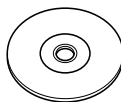
• CDs with coloring on the recording surface or that are dirty cannot be used.
• This unit can only play the CDs with

.

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.

Release button   Control knob

ATT   VOL   Q   SRC

LOUD indicator

Clock display   ATT indicator
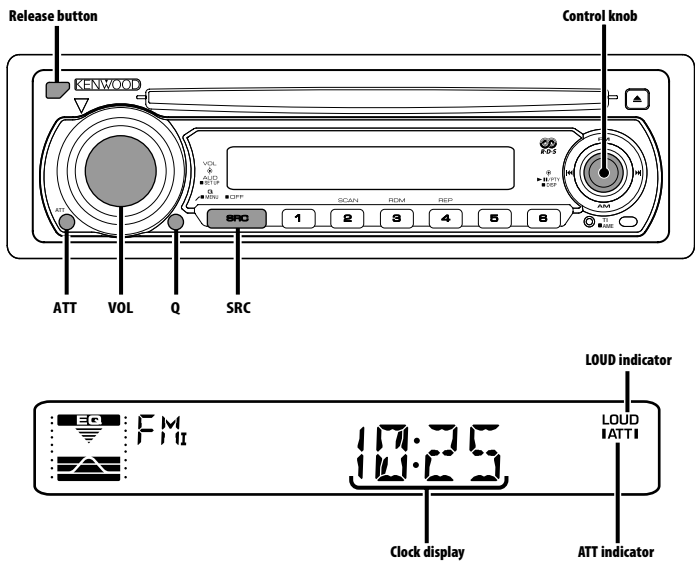
Power

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 18).

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.

6 │ English

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.
Each time you press the button, the sound setting alternates.

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

{⋯}
• "USER": The values set on the <Audio Control> (page 7).
• Change each setting value with the <Speaker Setting> (page 8).
First, select the speaker type with the Speaker setting.

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
Exit Audio Control mode (Volume control mode)		

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 6x9/6"
For the OEM speaker	"SP OEM"

4 Exit Speaker Setting mode
Press the [VOL] knob.

Switching Clock Display

Changing the displayed information.

Press the control knob for at least 1 second.
Each time you press the button, the display alternates between clock display and current source.

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.
- Do not expose the faceplate 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.

Projections

Grooves
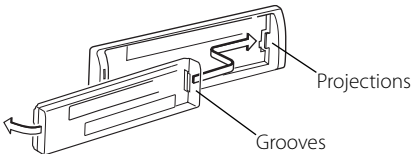
2 Push the faceplate in until it clicks.
The faceplate is locked in place, allowing you to use the unit.

TEL Mute

The audio system automatically mutes when a call comes in.

When a call comes in
"CALL" is displayed.
The audio system pauses.

Listening to the audio during a call
Press the [SRC] button.
The "CALL" display disappears and the audio system comes back ON.

When the call ends
Hang up the phone.
The "CALL" display disappears and the audio system comes back ON.

Tuner features

Control knob

SRC   **1 - 6**   **AME**

Band display   **Preset station number**

EQ

FM III $_{ch}$

●ST

92.1

LOUD

ST indicator   **Frequency display**
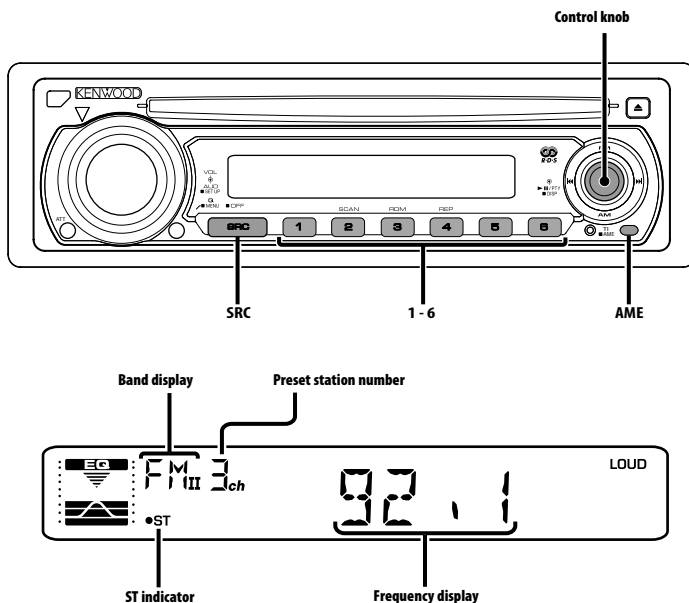
Tuning

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 FM I, FM II, and FM III
bands.

3 Tune up or down band
Push the Control knob towards [I◄◄] or
[►►I].

⟨≣⟩

• 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 [I◄◄] or
[►►I].

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 19) is ON, only RDS stations are put in the memory.
• When Auto Memory Entry is done in the FM II band, the RDS stations preset in the FM I band are not put in the memory.
Likewise, when Auto Memory Entry is done in the FM III band, RDS stations preset in FM I or FM II are not put in the memory.
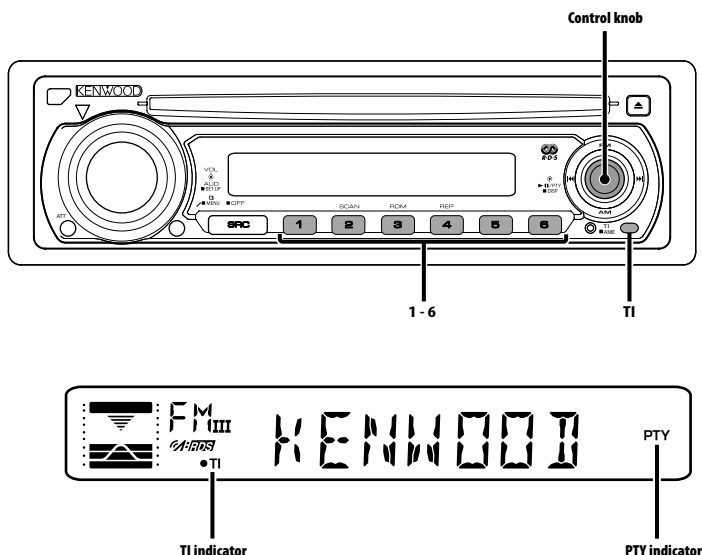
Preset Tuning

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.

Control knob

1 - 6   TI

TI indicator   PTY indicator

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 [I◄◄] or [►►I].

⁄⁞

- 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 the program types shown in
the table below.

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

{⌨}
- Speech and Music include the Program type shown
  below.
  Music: No.11 — 16, 25 — 29
  Speech: No.2 — 10, 17 — 24, 30
- You can put the Program Type in the [1] — [6] button
  memory and for quick recall. Refer to the <Program
  Type preset> (page 13).
- You can change the display language. Refer to
  <Changing Language for PTY Function> (page 14).

**3 Search for the selected Program Type
station**
**Push the Control knob towards [I◄◄] or
[►►I].**
When you want to search for other stations, push
[I◄◄] or [►►I] 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 12).

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 12).

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 12).

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

SRC   SCAN   RDM   REP   Control knob

IN indicator   Track number   Track time
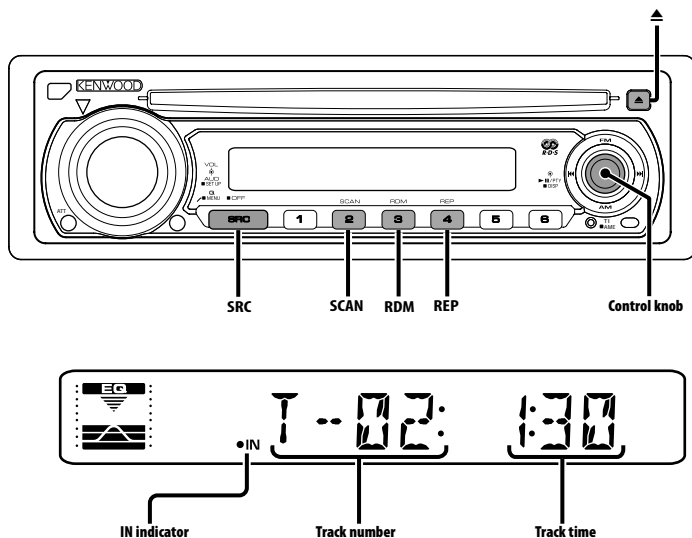
Playing CD

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 your finger to play the disc at that point.

Reversing
Hold down toward [|◀◀] with the Control knob.
Release your finger to play the disc at that point.

CD player features

Track Search

Selecting the song you want to hear.

**Push the Control knob towards [I◄◄] or
[►►I].**

Track Repeat

Replaying the song you are listening to.

Press the [REP] button.
Each time you press the button, the Track Repeat
turns ON or OFF.
When the Track Repeat is ON, "TRAC REP" is
displayed.

Scan Play

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

1 Start Scan Play
Press the [SCAN] button.
"TRAC SCN" is displayed.

**2 Release it when the song you want to listen
to is played**
Press the [SCAN] button.

Random Play

Playing all the songs on the disc in random order.

Press the [RDM] button.
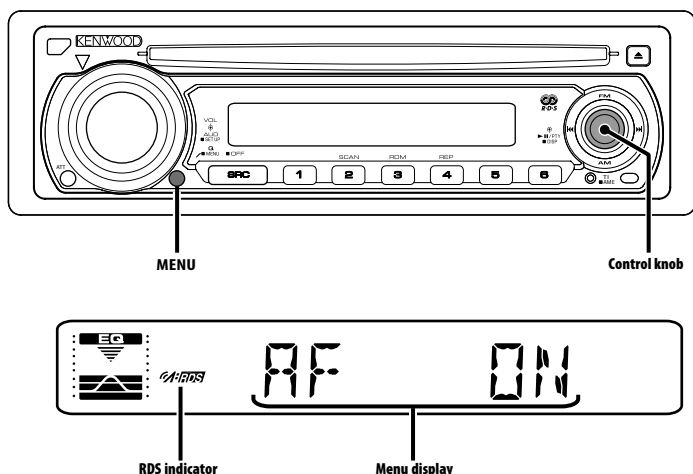Each time you press the button, Random Play
turns ON or OFF.
When the Random mode is ON, "DISC RDM" is
displayed.

⟨⟨⟨⟩⟩⟩
• When you push the Control knob toward [►►I], the
  next random song starts.

Menu system

MENU   Control knob

RDS indicator   Menu display

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.

Menu system

Touch Sensor Tone

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

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

Manual Clock Adjustment

⁅≣⁆
• You can do this adjustment when the <Synchronize Clock> (page 18) 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
   **Push the Control knob towards [I◄◄] or [►►I]
   for at least 2 seconds.**
   The clock display blinks.

3 Adjust the hours
   Push the Control knob towards [FM] or [AM].

   Adjust the minutes
   **Push the Control knob towards [I◄◄] or
   [►►I].**

4 Exit Clock adjustment mode
   Press the [MENU] button.

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.

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.

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 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 12).
• 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 when 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
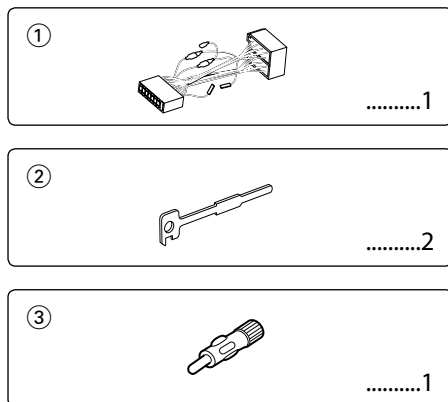
You can reduce the noise when stereo broadcasts are received as monaural.

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

Accessories/ Installation Procedure

Accessories

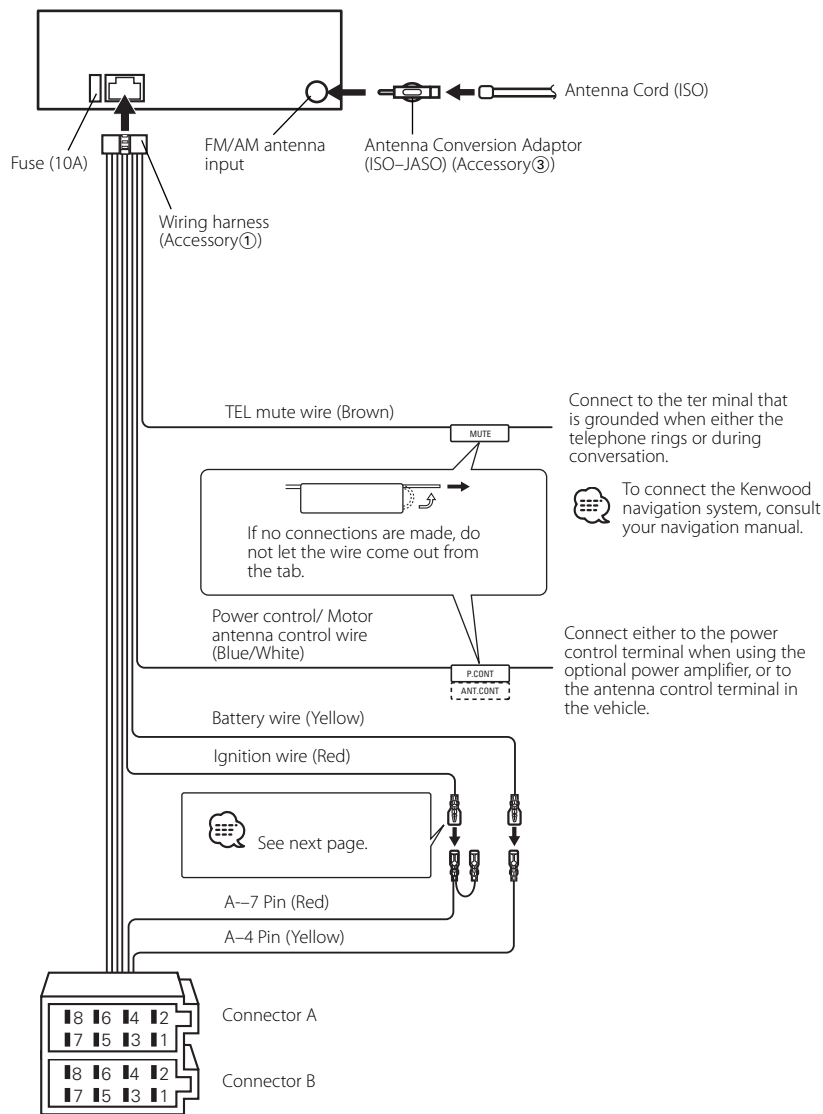① 1

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 chasis 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 adapters (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

Antenna Cord (ISO)

FM/AM antenna input

Antenna Conversion Adaptor (ISO–JASO) (Accessory③)

Fuse (10A)

Wiring harness (Accessory①)

TEL mute wire (Brown)

MUTE

Connect to the ter minal that is grounded when either the telephone rings or during conversation.

To connect the Kenwood navigation system, consult your navigation manual.

If no connections are made, do not let the wire come out from the tab.

Power control/ Motor antenna control wire (Blue/White)

P.CONT
ANT.CONT

Connect either to the power control terminal when using the optional power amplifier, or to the antenna control terminal in the vehicle.

Battery wire (Yellow)

Ignition wire (Red)

See next page.

A-–7 Pin (Red)

A–4 Pin (Yellow)

8 6 4 2
7 5 3 1

Connector A

8 6 4 2
7 5 3 1

Connector B

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.

Ignition cable (Red) — A-7 Pin (Red)
Unit — Vehicle
Battery cable (Yellow) — A-4 Pin (Yellow)
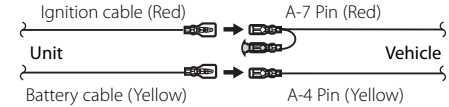
☐2 The A-7 pin (red) of the vehicle's ISO connector is connected to the constant power supply, and the A-4 pin (yellow) is linked to the ignition.

Ignition cable (Red) — A-7 Pin (Red)
Unit — Vehicle
Battery cable (Yellow) — A-4 Pin (Yellow)
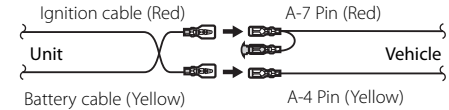
☐3 The A-4 pin (yellow) of the vehicle's ISO connector is not connected to anything, while the A-7 pin (red) is connected to the constant power supply (or both the A-7 (red) and A-4 (yellow) pins are connected to the constant power supply).

Ignition cable (Red) — A-7 Pin (Red)
Unit — Vehicle
Battery cable (Yellow) — A-4 Pin (Yellow)

⊞
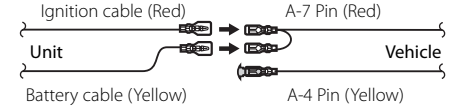
• When the connection is made as in ☐3 above, the unit's power will not be linked to the ignition key. For that reason, always make sure to turn off the unit's power when the ignition is turned off.
To link the unit's power to the ignition, connect the ignition cable (ACC...red) to a power source that can be turned on and off with the ignition key.
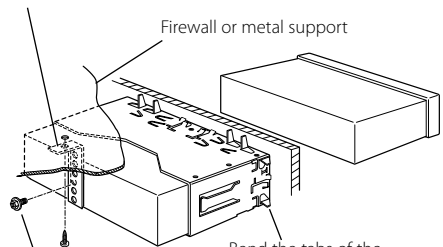
Installation

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)
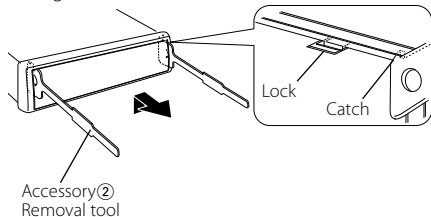
Screw (M4X8)
(commercially available)

⟨≣⟩

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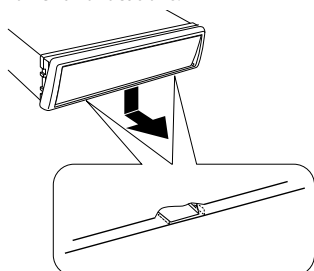sound may skip).

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.

Lock
Catch

Accessory②
Removal tool

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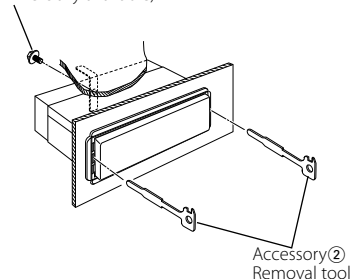

⌇

• 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 24) 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)
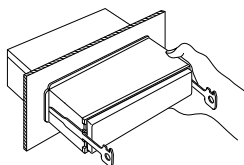(commercially available)

Accessory②
Removal tool

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

⚠
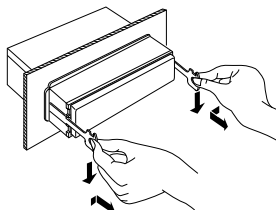
• Be careful to avoid injury from the catch pins on the removal tool.

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>.

? The TEL mute function does not work.
- ✔ The TEL mute wire is not connected properly.
  - ☞ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.

? The TEL mute function turns ON even though the TEL mute wire is not connected.
- ✔ The TEL mute wire is touching a metal part of the car.
  - ☞ Pull the TEL mute wire away from the metal part of the car.

? 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 8).

? 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>.

? It isn't the set Traffic information sound volume.
- ✔ The set sound volume is less than the tuner sound volume.
  - ☞ If the tuner sound volume is louder than the set sound volume, the tuner sound volume is used.

Troubleshooting Guide

Disc source

? **The specified disc does not play, but another one plays instead.**
    ✔ The specified CD is quite dirty.
       ☞ Clean the CD.
    ✔ The disc is severely scratched.
       ☞ Try another disc instead.

? **A CD ejects as soon as it is loaded.**
    ✔ The CD is quite dirty.
       ☞ Clean the CD, referring to the CD cleaning of the section on <About CDs> (page 5).

? **Can't remove disc.**
    ✔ The cause is that more than 10 minutes has elapsed since the vehicle ACC switch was turned OFF.
       ☞ 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.
       ☞ Press the [⏏] button and remove the disc.

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-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.

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.

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 μV/75 Ω
Quieting Sensitivity (S/N = 46dB)
 : 1.6 μV/75 Ω
Frequency response (±3.0 dB)
 : 30 Hz – 15 kHz
Signal to Noise ratio (MONO)
 : 65 dB
Selectivity (DIN) (±400 kHz)
 : ≥ 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 μV

LW tuner section

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

CD player section

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

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 ±8 dB
 Middle : 1 kHz ±8 dB
 Treble : 10 kHz ±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
 : 1.3 kg

KENWOOD