# KENWOOD

## KRC-465R
## KRC-365L

CASSETTE RECEIVER
## INSTRUCTION MANUAL

KENWOOD CORPORATION

# Contents

# Safety precautions

## ⚠WARNING

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

- Insert the unit all the way in until it is fully locked in place. Otherwise it may fall out of place when jolted.
- When extending the ignition, battery, or ground wires, make sure to use automotive-grade wires or other wires with a 0.75mm$^2$ (AWG18) or more to prevent wire deterioration and damage to the wire coating.
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.
- If the unit starts to emit smoke or strange smells, turn off the power immediately and consult your Kenwood dealer.
- Make sure not to get your fingers caught between the faceplate and the unit.
- Be careful not to drop the unit or subject it to strong shock.
  The unit may break or crack because it contains glass parts.
- Do not touch the liquid crystal fluid if the LCD is damaged or broken due to shock. The liquid crystal fluid may be dangerous to your health or even fatal.
  If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately.

## ⚠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 open the top or bottom covers of the unit.
- 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 set the removed faceplate or 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 one with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction.
- To prevent a short circuit when replacing a fuse, first disconnect the wiring harness.
- Do not place any object between the faceplate and the unit.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.

## IMPORTANT INFORMATION

### About the disc changer/CD player to be connected:

To connect a disc changer having the "O-N" switch to this unit, set the "O-N" switch to "N".
To connect a disc changer having no "O-N" switch to this unit, the converter cord CA-DS100 and/or switching adapter KCA-S210A are required as options.
A disc changer doesn't work when it is connected without using these options.
If a model with no "O-N" switch is connected, some unavailable functions and information that cannot be displayed are generated.
Note that none of the KDC-C100, KDC-C302, C205, C705, and non-Kenwood CD changers can be connected.

⚠ You can damage both your unit and the CD changer if you connect them incorrectly.

## Safety precautions

**NOTE**

- If you experience problems during installation, consult your Kenwood dealer.
- If the unit does not seem to be working right, try pressing the reset button first. If that does not solve the problem, consult your Kenwood dealer.
- Press the reset button if the Disc auto changer fails to operate correctly. Normal operatin should be resloved.
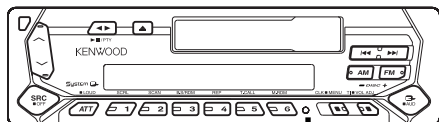


Reset button

- Characters in the LCD may become difficult to read in temperatures below 41 ˚F (5 ˚C).
- 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 represent something impossible in actual operation.

### Cleaning the Faceplate Terminals
If the terminals on the unit or faceplate get dirty, wipe them with a dry, soft cloth.

### 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 neutral detergent off.

⚠ 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.

## About Cassette tape

### Cleaning the tape head
When there's noise or the sound quality is bad during tape play the tape head maybe dirty, clean the tape head.

### About Cassette tape
- If the tape is slack tighten it.
- If the cassette tape label is peeling off glue it on again.
- Don't use deformed cassette tape.
- Don't place cassette tape on the dashboard etc. where the temperature is high.
- Don't use cassette tape that's 100 minutes long or longer.

## About RDS

### RDS (Radio Data System)
When listening to an RDS station, the programme service name of the station is displayed, advising you quickly which station is being received.

RDS (Radio Data System) stations also transmit frequency data for the same station. When you are making long trips, this function automatically alternative switches to the particular frequency with the best reception for the particular network of stations that you want to listen to. The data is automatically stored, allowing you to switch quickly to another RDS stations, broadcasting the same programme, that has better reception. These include stations stored in the station preset memory that you often listen to.

### Enhanced Other Network
Stations that offer <Enhanced Other Network> also transmit information about other RDS stations that have traffic information. When you are tuned to a station that is not transmitting traffic information, but another RDS station starts transmitting a traffic bulletin, the tuner automatically switches to the other station for the duration of the bulletin.

### Alarm
When an emergency transmission (announcing disasters, etc.) is sent, all current functions are interrupted to allow the warning to be received.

# General features

**Release button**



AM ◄◄ ►► FM

KENWOOD

SRC    ATT/LOUD                      CLK    Q/AUD



*ATT indicator*

FMⅢ    ATT LOUD    92.1

*SYSTEM Q indicator*    *LOUD indicator*
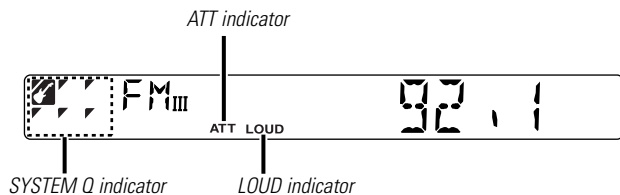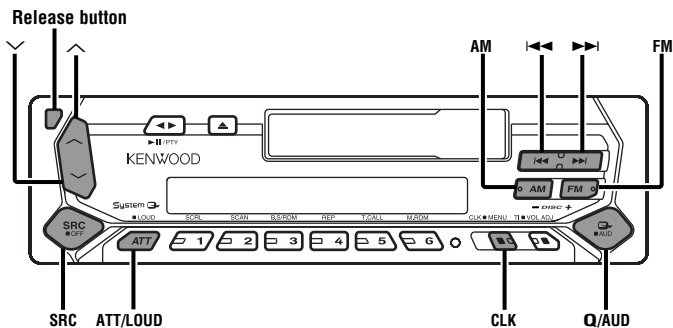
## Power

### 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" |
| Tape | "TAPE" |
| External disc | "DISC"/"CD" |
| Standby (Illumination only mode) | "ALL OFF" |

## Volume

### Increasing Volume
Press the [ ∧ ] button.

### Decreasing Volume
Press the [ ∨ ] button.

# General features

## Attenuator

Turning the volume down quickly.

**Press the [ATT] button.**
Each time the button is pressed the Attenuator turns ON or OFF.
When it's ON, the "ATT" indicator blinks.

## Loudness

Compensating for low and high tones during low volume.

**Press the [LOUD] button for at least 1 second.**
Each time the button is pressed for at least 1 second the
Loudness turns ON or OFF.
When it's ON, "LOUD" indicator is ON.

## System Q

You can recall the best sound setting preset for different types of
the music.

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

**2 Select the Sound type**
Press the [Q] button.
Each time the button is pressed the sound setting switches.

| Sound setting | Display |
| --- | --- |
| Flat | "FLAT" |
| Rock | "ROCK" |
| Top 40 | "TOP40" |
| Pops | "POPS" |
| Jazz | "JAZZ" |
| Easy | "EASY" |
| Scan of Flat — Easy | "SCAN" |

• Each setting value is changed with the <Speaker setting> (page 7).
First, select the speaker type with the Speaker setting.
• When the System Q setting is changed, the Bass, Middle, and Treble set in audio control replace the System Q values.

## Audio Control

**1 Select the source for adjustment**
Press the [SRC] button.

**2 Enter Audio Control mode**
Press the [AUD] button for at least 1 second.

**3 Select the Audio item for adjustment**
Press the [FM] or [AM] button.
Each time the button is pressed the items that can be adjusted
switch as shown below.

**4 Adjust the Audio item**
Press the [I◄◄] or [►►I] button.

| Adjustment Item | Display | Range |
| --- | --- | --- |
| Bass level | "BAS" | –8 — +8 |
| Middle level | "MID" | –8 — +8 |
| Treble level | "TRE" | –8 — +8 |
| Balance | "BAL" | L15 — R15 |
| Fader | "FAD" | R15 — F15 |

**5 Exit Audio Control mode**
Press the [AUD] button.

## 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 "ALL OFF" display.

**2 Enter Speaker Setting mode**
Press the [Q] button.

**3 Select the Speaker type**
Press the [◄◄] or [►►I] button.
Each time the button is pressed the setting switches as shown below.

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

**4 Exit Speaker Setting mode**
Press the [Q] button.

## Switching Display

Switching the information displayed.

Press the [CLK] button.
Each time the button is pressed the display switches as shown below.

### In Tuner source

| Information |
|---|
| Program Service name or Frequency |
| Clock |

### In Tape source

| Information |
|---|
| Play side |
| Clock |

### In External disc source

| Information | Display |
|---|---|
| Track Time | |
| Disc name | "D-NAME" |
| Disc title | "D-TITLE" |
| Track title | "T-TITLE" |
| Clock | |

## 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.

## General features

### 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 is unlocked, allowing you to detach it.

⚠ • The faceplate is a precision piece of equipment and can be damaged by shocks or jolts. For that reason, keep the faceplate in its special storage case while detached.
• Do not expose the faceplate or its storage 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.

Projections

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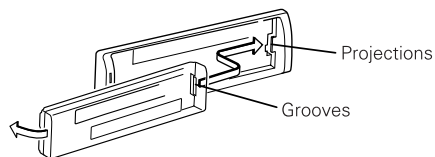
**2** Push the faceplate in until it clicks.
The faceplate is locked in place, allowing you to use the unit.

## Tuner features
### Function of the KRC-465R

AM ◄◄ ►► FM

SRC          #1 – 6          MENU

Band display    Preset station number

FM3 ch    AUTO 1    92.1

ST indicator          Frequency display

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## Tuning

Selecting the station.

**1 Select tuner source**
Press the [SRC] button.
Select the "TUNER" display.

**2 Select the band**
Press the [FM] or [AM] button.
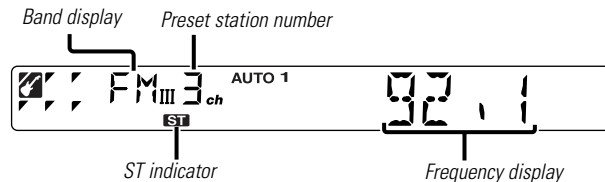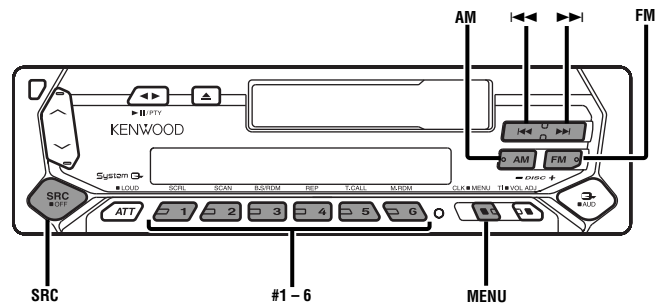Each time the [FM] button is pressed it switches between the
FM1, FM2, and FM3 bands.

**3 Tune up or down band**
Press the [◄◄] or [►►] button.

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

## Station Preset Memory

Putting the station in the memory.

**1 Select the band**
Press the [FM] or [AM] button.

**2 Select the frequency to put in the memory**
Press the [◄◄] or [►►] button.

**3 Put the frequency in the memory**
Press the [#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 a station with good reception in the memory
automatically.

**1 Select the band for Auto Memory Entry**
Press the [FM] or [AM] button.

**2 Enter Menu mode**
Press the [MENU] button for at least 1 second.
"MENU" is displayed.

**3 Select the Auto Memory Entry mode**
Press the [FM] or [AM] button.
Select the "A-MEMORY" display.

**4 Open Auto Memory Entry**
Press the [◄◄] or [►►] button for at least 2 seconds.
When 6 stations that can be received are put in the memory
Auto Memory Entry closes.

> • When the <AF Function> (page 21) 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 aren't put in the memory.
> Likewise, when it is done in the FM3 band, RDS stations preset in
> FM1 or FM2 aren't put in the memory.

## Preset Tuning

Calling up the stations in the memory.
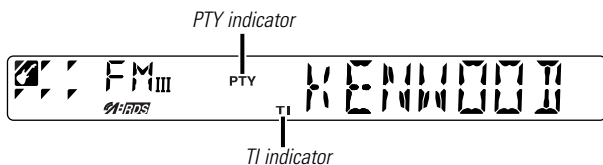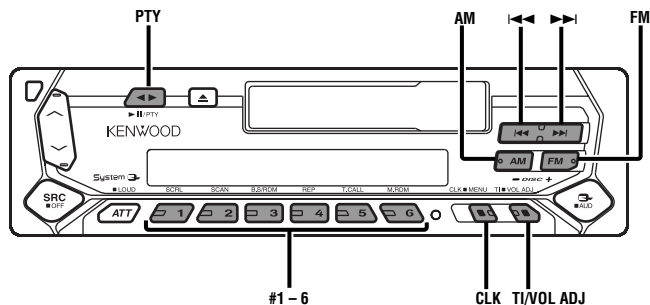
**1 Select the band**
Press the [FM] or [AM] button.

**2 Call up the station**
Press the [#1] — [#6] button.

## *RDS features*
*Function of the KRC-465R*

PTY          AM   ⏮ ⏭          FM

KENWOOD

System

SRC
OFF          LOUD    SCRL    SCAN    B.S/RDM    REP    T.CALL    M.RDM          CLK MENU    TI VOL ADJ

ATT          1    2    3    4    5    6

#1 – 6                              CLK   TI/VOL ADJ

PTY indicator

FM

RDS

PTY

TI

TI indicator

### Traffic Information

Switching to traffic information automatically when a traffic bulletin starts even when you aren't listening to the radio.

Press the [TI] button.
Each time the button is pressed the Traffic Information function turns ON or OFF.
When it's ON, "TI" indicator is ON.
When a traffic information station isn't being received the "TI" indicator blinks.
When a traffic bulletin starts, "TRAFFIC" is displayed it and it switches to traffic information.

> During reception of a AM station when the Traffic Information function is turned ON, it switches to a FM station.

#### Receiving other traffic information stations
Press the [⏮] or [⏭] button.

> Traffic information station switching can be done when listening to the radio.

### Presetting Volume for Traffic Information

Setting the volume during Traffic Information.

**1** Receive the station.

**2** Set the volume you want.

**3** **Preset the volume**
Press the [VOL ADJ] button for at least 2 seconds.
The volume level display blinks 1 time.

## PTY (Program Type)

Selecting the Program Type and searching for a station.

**1 Enter PTY mode**
Press the [PTY] button.
During PTY mode the "PTY" indicator is ON.

This function can't be used during a traffic bulletin or AM reception.

**2 Select the Program Type**
Press the [FM] or [AM] button.
Each time the button is pressed the Program Type switches as shown below.

| No. | Program Type | Display |
|-----|-------------|---------|
| 1. | Music | "MUSIC" |
| 2. | Speech | "SPEECH" |
| 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
• The Program Type can be put in the [#1] — [#6] button memory and called up quickly. Refer to the <Program Type preset> (page 12).
• The display language can be changed. Refer to <Changing Language for PTY Function> (page 12).

**3 Search for the selected Program Type station**
Press the [◄◄] or [►►] button.
When you want to search for other stations press the [◄◄] or [►►] button again.

When the selected Program Type isn't found, "NO PTY" is displayed. Select another Program Type.

**4 Exit PTY mode**
Press the [PTY] button.

# RDS features
*Function of the KRC-465R*

## Program Type preset

Putting the Program Type in the Preset button memory and calling it up quickly.

### Presetting the Program Type

**1 Select the Program Type to preset**
Refer to <PTY(Program Type)> (page 11).

**2 Preset the Program Type**
Press the [#1] — [#6] button for at least 2 seconds.

### Calling up the preset Program Type

**1 Enter PTY mode**
Refer to <PTY(Program Type)> (page 11).

**2 Call up the Program Type**
Press the [#1] — [#6] button.

## Changing Language for PTY Function

Selecting the Program Type display language.

**1 Enter PTY mode**
Refer to <PTY (Program Type)> (page 11).

**2 Enter Changing Language mode**
Press the [CLK] button.
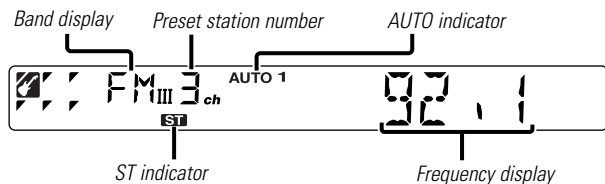
**3 Select the language**
Press the [#1] — [#3] button.

| Button | Language |
|--------|----------|
| [#1] | English |
| [#2] | French |
| [#3] | German |

**4 Exit Changing Language mode**
Press the [CLK] button.

AM  ◄◄  ►►  FM

KENWOOD

System

LOUD    SCRL    SCAN    B.S/RDM    REP    T.CALL    M.RDM    CLK·MENU    AUTO·AME

ATT    1    2    3    4    5    6

SRC    #1 – 6    AUTO/AME

Band display    Preset station number    AUTO indicator

FM 3 ch    AUTO 1    92.1

ST

ST indicator    Frequency display
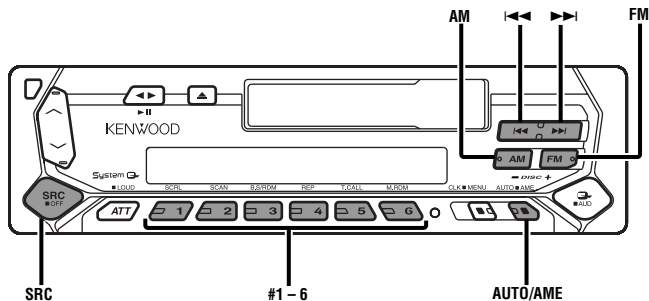
## Tuning Mode

Choose the tuning mode.

### Press the [AUTO] button.
Each time the button is pressed the Tuning mode switches as shown below.

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

## Tuning

Selecting the station.

### 1 Select tuner source
Press the [SRC] button.
Select the "TUNER" display.

### 2 Select the band
Press the [FM] or [AM] button.
Each time the [FM] button is pressed it switches between the FM1, FM2, and FM3 bands.

### 3 Tune up or down band
Press the [◄◄] or [►►] button.

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

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## Tuner features
*Function of the KRC-365L*

### Station Preset Memory

Putting the station in the memory.

**1 Select the band**
Press the [FM] or [AM] button.

**2 Select the frequency to put in the memory**
Press the [I◀◀] or [▶▶I] button.

**3 Put the frequency in the memory**
Press the [#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**
Press the [FM] or [AM] button.

**2 Open Auto Memory Entry**
Press the [AME] button for at least 2 seconds.
When 6 stations that can be received are put in the memory Auto Memory Entry closes.

### Preset Tuning
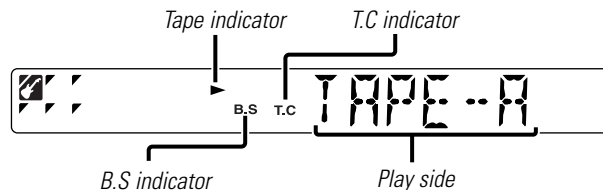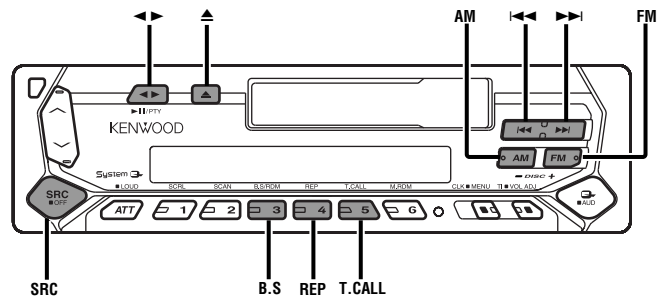
Calling up the stations in the memory.

**1 Select the band**
Press the [FM] or [AM] button.

**2 Call up the station**
Press the [#1] — [#6] button.

## Cassette player features





Tape indicator    T.C indicator

B.S indicator    Play side

## Playing Cassette Tapes

**When the Cassette Tape is inserted**
Press the [SRC] button.
Select the "TAPE" display.

**When you want to listen to the reverse side**
Press the [◄►] button.

**Eject the Cassette Tape**
Press the [▲] button.

## Fast Forwarding and Rewinding

**Fast Forwarding**
Press the [FM] button.
When it's stopped press the [◄►] button.

**Rewinding**
Press the [AM] button.
When it's stopped press the [◄►] button.

## Tape Advance

Skipping to the next song or the start of the current song.

**Skipping to the next song**
Press the [►►I] button.

**Skips to the start of the current song**
Press the [I◄◄] button.

## Blank Skip

Fast forwarding automatically when an unrecorded portion continues for at least 10 seconds.

Press the [B.S] button.
Each time the button is pressed the Blank Skip turns ON or OFF.
When it's ON, the "B.S" indicator is ON.

## Tuner Call

Switching to the radio automatically during Fast Forwarding and Rewinding.

Press the [T.CALL] button.
Each time the button is pressed the Tuner Call turns ON or OFF.
When it's ON, the "T.C" indicator is ON.

## Music Repeat

Repeating the present song.

Press the [REP] button.
Each time the button is pressed the Music Repeat turns ON or OFF.
When it's ON, "REP ON" is displayed.

# External disc control features



SRC     SCRL   SCAN   RDM   REP     M.RDM    MENU

Disc number

Track number     Track time
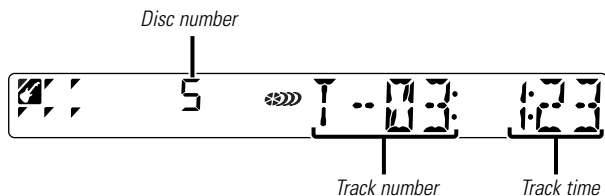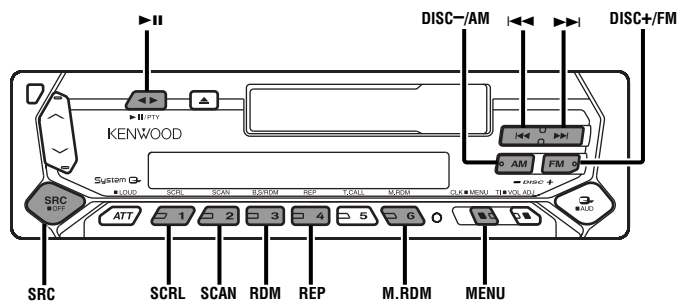
## Playing External Disc

Playing discs set in the optional accessory disc player connected to this unit.

Press the [SRC] button.
Select the display for the disc player you want.
Display examples:

| Display | Disc player |
|---------|-------------|
| "CD" | CD player |
| "DISC" | CD changer |
| "DISC" | MD changer |

### Pause and play

Press the [►❚❚] button.
Each time the button is pressed it pauses and plays.

- Disc #10 is displayed as "0".
- The functions that can be used and the information that can be displayed will differ depending on the external disc players being connected.

## Fast Forwarding and Reversing

### Fast Forwarding

Hold down on the [►►❙] button.
Release your finger to play the disc at that point.

### Reversing

Hold down on the [❙◄◄] button.
Release your finger to play the disc at that point.

## Track Search

Selecting the song you want to hear.

> Press the [I◄◄] or [►►I] button.

## Album Search (Function of disc changer)

Selecting the disc you want to hear.

> Press the [DISC–] or [DISC+] button.

## Track/Album Repeat

Replaying the track/disc you're listening to.

> Press the [REP] button.
> Each time the button is pressed the Repeat Play switches as shown below.

| Repeat play | Display |
|---|---|
| Track Repeat | "TREP ON" |
| Album Repeat (Function of disc changer) | "DREP ON" |
| OFF | "REP OFF" |

## Track Scan

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

**1 Start Track Scan**
Press the [SCAN] button.
"TSCN ON" 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 the button is pressed Random Play turns ON or OFF.
> When it's ON, "RDM ON" is displayed.

> When the [►►I] button is pressed, the next song select starts.

## Magazine Random Play (Function of disc changer)

Play the songs on all the discs in the disc changer in random order.

> Press the [M.RDM] button.
> Each time the button is pressed the Magazine Random Play turns ON or OFF.
> When it's ON, "MRDM ON" is displayed.

> When the [►►I] button is pressed, the next song select starts.

## External disc control features

### Disc Naming (DNPS)

Attaching a title to a CD.

**1 Play the disc you want to attach a name to**

> A title can't be attached to a MD.

**2 Enter Menu mode**
Press the [MENU] button for at least 1 second.
"MENU" is displayed.

**3 Select Name set mode**
Press the [FM] or [AM] button.
Select the "NAME SET" display.

**4 Enter Name set mode**
Press the [I◄◄] or [►►I] button for at least 2 seconds.

**5 Move the cursor to the enter character position**
Press the [I◄◄] or [►►I] button.

**6 Select the characters**
Press the [FM] or [AM] button.

**7** Repeat steps 5 through 6 and attach a name.

**8 Exit Menu mode**
Press the [MENU] button.

> • When operation stops for 10 seconds the name at that time is registered, and Name Set mode closes.
> • Media that you can attach a name to
>   - External CD changer/ player: Varies according to the CD changer/ player. Refer to the CD changer/ player manual.
> • The name of a CD can be changed by the same operation you used to name it.

### Text/Title Scroll

Scrolling the displayed CD text or MD title.

Press the [SCRL] button.

AM

FM

MENU

*AUTO indicator*

AUTO 1

BEEP ON

*RDS indicator*

*Menu display*
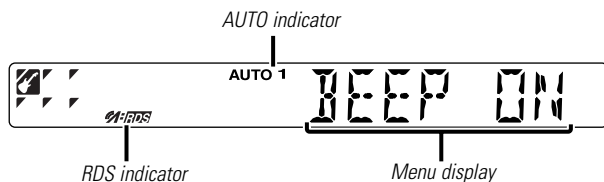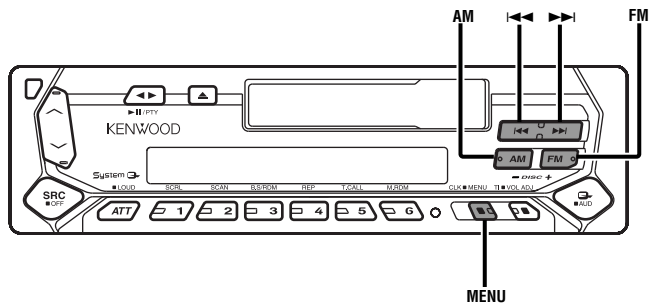
## Menu System

Setting during operation beep sound 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**
Press the [FM] or [AM] button.
Example: When you want to set the beep sound select the "BEEP" display.

**3 Set the menu item**
Press the [◄◄] or [►►] button.
Example: When "BEEP" is selected, each time the button is pressed it switches "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 that are applicable to the basic operation method above are displayed afterwards their setting content chart is entered. (Normally the uppermost setting in the chart is the original setting.)
Also, the explanation for items that aren't 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

This adjustment can be done when the <Synchronize Clock> (page 20) is set as OFF.

**1 Select Clock Adjustment mode**
Press the [FM] or [AM] button.
Select the "CLK ADJ" display.

**2 Enter Clock Adjust mode**
Press the [◄◄] or [►►] button for at least 2 seconds.
The clock display blinks.

**3 Adjust the hours**
Press the [FM] or [AM] button.

**Adjust the minutes**
Press the [◄◄] or [►►] button.

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

*Function of the KRC-465R*

### 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.

### DSI (Disabled System Indicator)

A red indicator will blink on the unit after the faceplate is removed, warning potential thieves.

| Display | Setting |
|---------|---------|
| "DSI ON" | LED flashes. |
| "DSI OFF" | LED OFF. |

### Selectable Illumination

Selecting the button illumination color as green or red.

| Display | Setting |
|---------|---------|
| "COL GRN" | The illumination color is green. |
| "COL RED" | The illumination color is red. |

*Function of the KRC-465R*

### News Bulletin with Timeout Setting

It switches automatically when a news bulletin starts even if the radio isn't being listened to. Also, the time interval when interrupt is prohibited can be set.

| Display and Setting |
|---------------------|
| "NEWS OFF" |
| "NEWS 00M" |
| ⋮ |
| "NEWS 90M" |

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

— 20 —

When the news bulletin starts, "NEWS" is displayed, and it switches to the news bulletin.

⟮💬⟯ • If you choose the "20M" 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 10).
• This 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, it switches to an FM station.

## Local Seek <In Tuner mode>

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

| Display | Setting |
| --- | --- |
| "LO.S OFF" | The local seek function is OFF. |
| "LO.S ON" | The local seek function is ON. |

*Function of the KRC-465R*

## Tuning Mode <In Tuner 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. |

*Function of the KRC-465R*

## Auto Memory Entry <In Tuner mode>

For the operation method refer to <Auto Memory Entry> (9page).

*Function of the KRC-465R*

## AF (Alternative Frequency)

When poor reception is experienced, automatically switch 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.

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# Menu system

_Function of the KRC-465R_

## 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. |

Sometimes stations in the same network broadcast different programs or use different program service names.

_Function of the KRC-465R_

## Auto TP Seek

When the TI function is ON and poor reception conditions are experienced 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. |

## Monaural Reception <In FM reception>

Noise can be reduced 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 <In External disc control mode>

Setting the displayed text scroll.

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

The text scrolled is shown below.
• CD text
• MD title

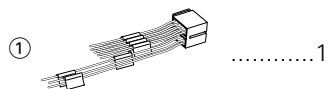## Disc Naming <In External disc control mode>

For the setting method refer to the <Disc Naming> (page 18).

## Accessories

**External view**
......... **Number of items**

**External view**
......... **Number of items**

① ............1

④ ............4

② ............2

⑤ ............1

③ ............4

⑥ ............1

⚠ The use of any accessories except for those provided might result in damage to the unit. Make sure only to use the accessories shipped with the unit, as shown above.

## Installation Procedure

1. To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ battery.

2. Make the proper input and output wire connections for each unit.

3. **Cars with an ISO connector:**
   Connect the speaker connector of the car to Connector B of the unit, and then connect the external power connector to Connector A.
   **Cars without an ISO connector:**
   First connect the wire of the wiring harness, and then connect the wiring harness connector to the unit.

4. Install the unit in your car.

5. Reconnect the ⊖ battery.

6. Press the reset button.

⚠**WARNING**

If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
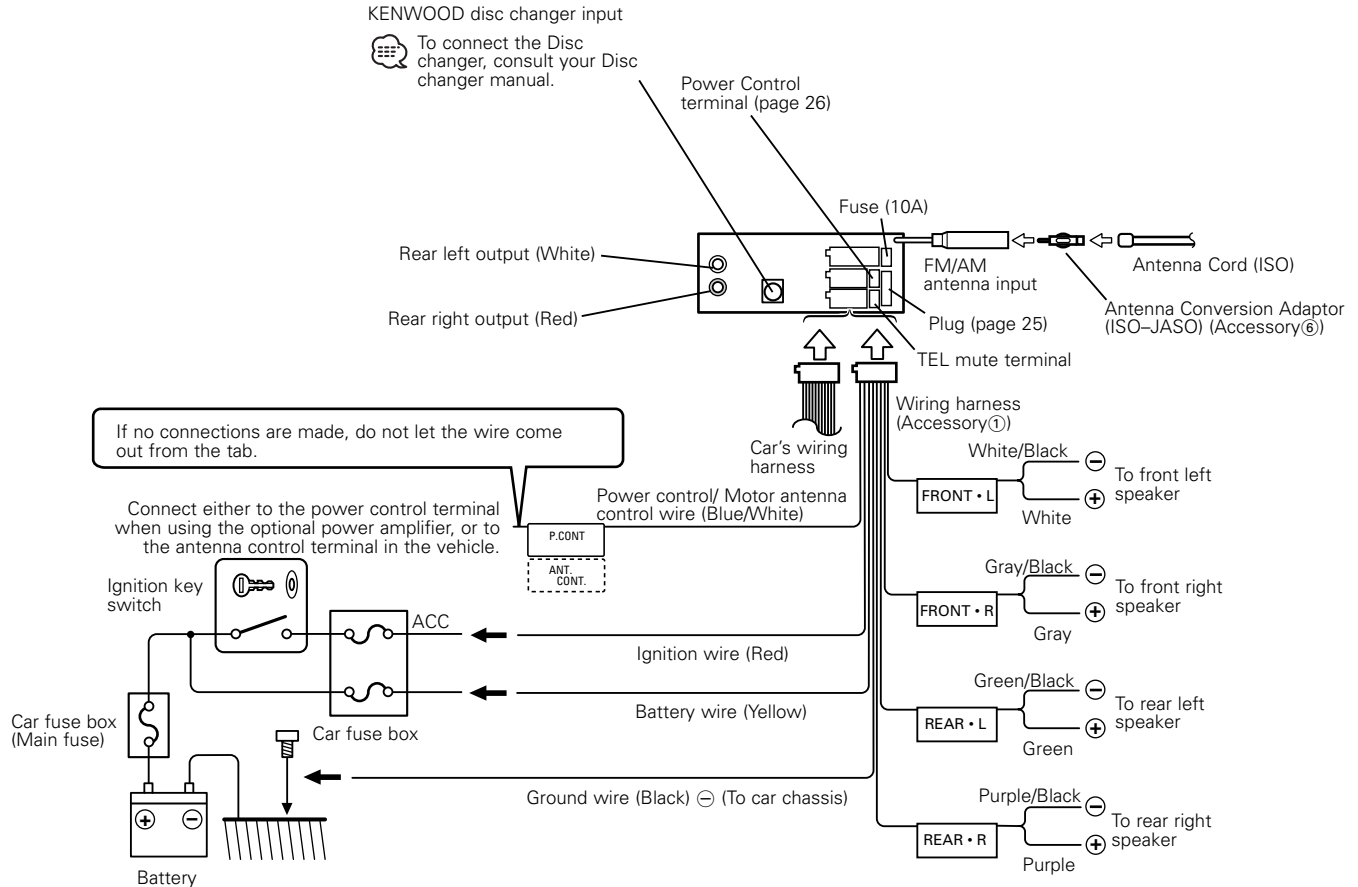
⚠**CAUTION**

• If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, as with battery wires, the battery may die.

• If the console has a lid, make sure to install the unit so that the faceplate will not hit the lid when closing and opening.

• If the fuse blows, first make sure the wires aren't touching to cause 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 a short circuit, 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 be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.

• When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.

• After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
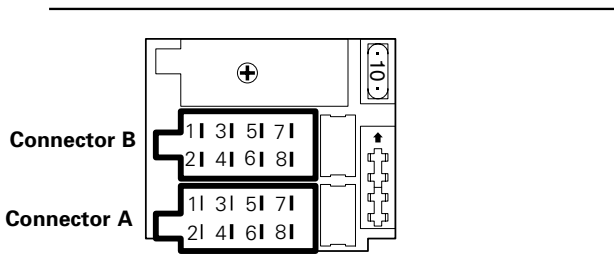
# *Connecting Wires to Terminals*

English

KENWOOD disc changer input

To connect the Disc changer, consult your Disc changer manual.

Power Control terminal (page 26)

Fuse (10A)

Rear left output (White)

Rear right output (Red)

FM/AM antenna input

Antenna Cord (ISO)

Plug (page 25)

Antenna Conversion Adaptor (ISO–JASO) (Accessory⑥)

TEL mute terminal

Wiring harness (Accessory①)

Car's wiring harness

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

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

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

P.CONT

ANT. CONT.

Ignition key switch

ACC

Ignition wire (Red)

Battery wire (Yellow)

Car fuse box (Main fuse)

Car fuse box

Ground wire (Black) ⊖ (To car chassis)

Battery

White/Black

FRONT • L

White

To front left speaker ⊖ ⊕

Gray/Black

FRONT • R

Gray

To front right speaker ⊖ ⊕

Green/Black

REAR • L

Green

To rear left speaker ⊖ ⊕

Purple/Black

REAR • R

Purple

To rear right speaker ⊖ ⊕

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## ■ *Connector Function Guide*



| Pin Numbers for ISO Connectors | Plug setting* | Functions |
|---|---|---|
| *<External Power Connector>* | | |
| A–4 | 1 | Battery |
| | 2 | Ignition (ACC) |
| A–5 | | Power Control |
| A–7 | 1 | Ignition (ACC) |
| | 2 | Battery |
| A–8 | | Earth (Ground) Connection |
| *<Speaker Connector>* | | |
| B–1 | | Rear Right (+) |
| B–2 | | Rear Right (–) |
| B–3 | | Front Right (+) |
| B–4 | | Front Right (–) |
| B–5 | | Front Left (+) |
| B–6 | | Front Left (–) |
| B–7 | | Rear Left (+) |
| B–8 | | Rear Left (–) |

*Plug setting: See right side.

## ■ *Plug Setting*

**⚠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.

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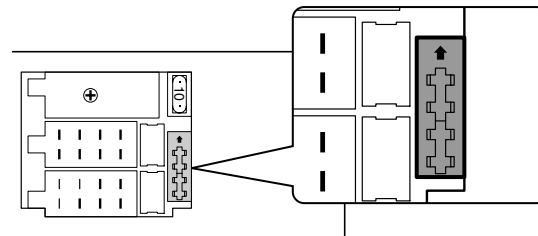


2 The A-7 pin of the vehicle's ISO connector is connected to the constant power supply, and the A-4 pin is linked to the ignition.
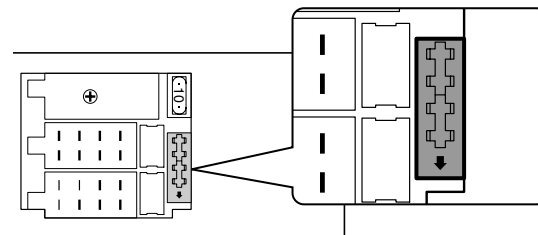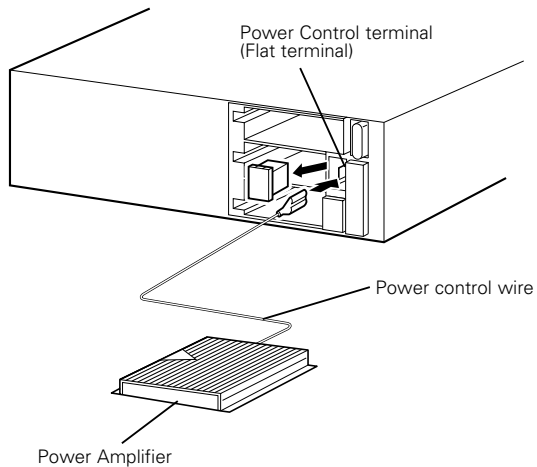


- If both the A-7 pin and A-4 pin are connected to the vehicle constant power supply, use Plug setting 2.
- If the A-7 pin is connected to the vehicle constant power supply, and the A-4 pin isn't connected to anything, wire the unit using the Wiring harness (Accessory ①).

## Connecting Wires to Terminals

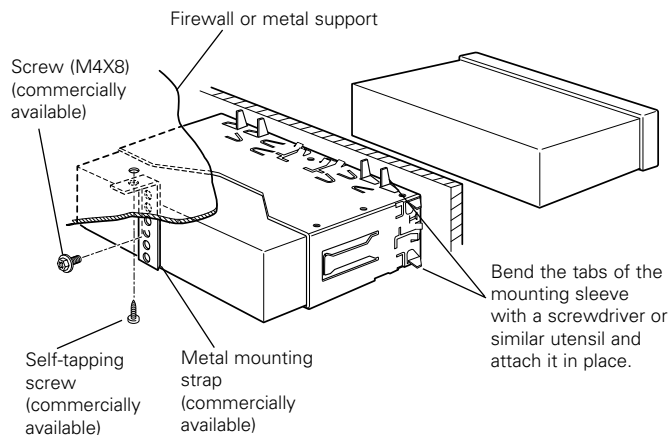### ■ Power Control Terminal Connections

The output of the Power Control terminal is switched along with the power on/off switching of the unit.
This terminal can be connected to the P.CON (REMOTE) terminal of the amplifier. (MAX. 300 mA)

Power Control terminal
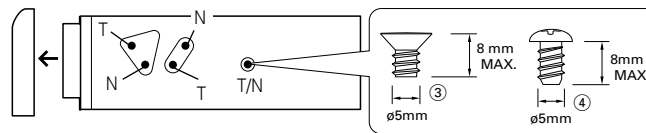(Flat terminal)

Power control wire

Power Amplifier

# Installation

## ■ Installation

Firewall or metal support

Screw (M4X8)
(commercially
available)

Self-tapping
screw
(commercially
available)

Metal mounting
strap
(commercially
available)

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

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

## ■ Installing in Japanese-Made Cars

**1** Refer to the section "Removing the hard rubber frame" (page
28) and then remove the hard rubber frame.

**2** Align the holes in the unit (two locations on each side) with the
vehicle mounting bracket and secure the unit with the
accessory screws.

T: Toyota cars
N: Nissan cars

8 mm MAX.
ø5mm

8mm MAX.
ø5mm

Accessory③...for Nissan car
Accessory④ ...for Toyota car

⚠ • During installation, do not use any screws except for those provided.
The use of different screws might result in damage to the main unit.
• Damage may occur if a screwdriver or similar tool is used with
excessive force during the installations.

## ■ Screwing the Faceplate on the Unit

If you want to fasten the
faceplate to the main
unit so that it does not
fall off, screw in the
provided screw (ø4 × 16
mm) in the hole shown
below.

Accessory ⑤
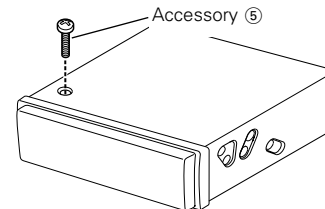
⚠ Never insert the taptite screw (ø4 × 16 mm) in any other screw hole
than the one specified. If you screw it in another hole, it will contact
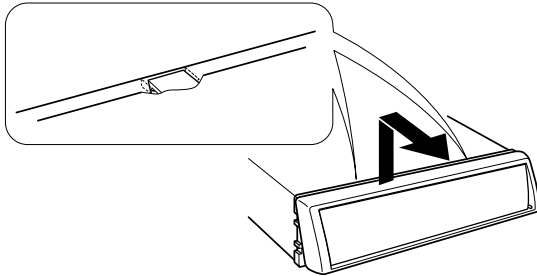and may cause damage to the mechanical parts inside the unit.

# Installation

English

## ■ *Removing the hard rubber frame*

**1** Engage the catch pins on the removal tool and remove the two locks on the lower level.
Lower the frame and pull it forward as shown in the figure.

Catch
Lock
Accessory ② Removal tool
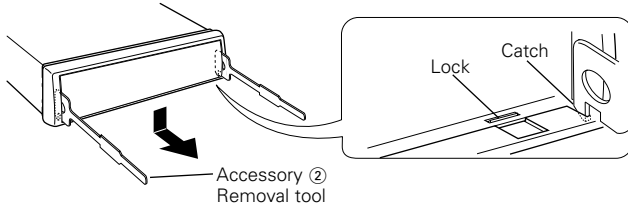
**2** When the lower level is removed, remove the upper two locations.

💬 The frame can be removed from the top side in the same manner.

## ■ *Removing the Unit*

**1** Refer to the section "Removing the hard rubber frame" 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
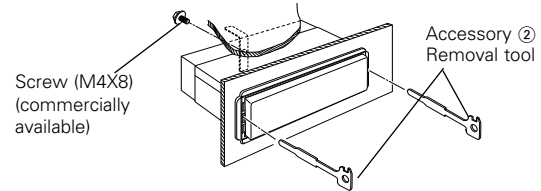
**4** Lower the removal tool toward the bottom, and pull out the unit halfway whilst pressing towards the inside.
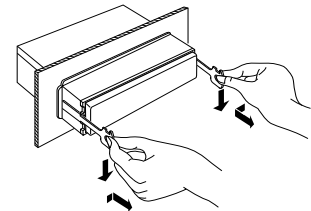
⚠ Be careful to avoid injury from the catch pins on the removal tool.

**5** Pull the unit all the way out with your hands, being careful not to drop it.

— 28 —
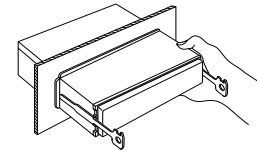
# Troubleshooting Guide

**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.
- ✔ No ACC position on vehicle ignition.
  - ☞ Connect the same wire to the ignition as the battery wire.

**?** **Nothing happens when the buttons are pressed.**
- ✔ The computer chip in the unit is not functioning normally.
  - ☞ Press the reset button on the unit (page 4).

**?** **There's a source you can't switch.**
- ✔ There's no tape 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 Disc changer isn't connected.
  - ☞ Connect the Disc changer. If the Disc changer isn't connected to it's input terminal, You can't switch to an external disc source.

**?** **The memory is erased when the ignition is turned OFF.**
- ✔ The battery wire has not been connected to the proper terminal.
  - ☞ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.
- ✔ 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.

**?** **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 cassette tape is bad.
  - ☞ Try playing another cassette tape. If works fine, the first tape was bad.

**?** **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 tape head is dirty.
  - ☞ Clean the tape head.
- ✔ The speakers are not wired correctly.
  - ☞ Reconnect the speaker wires so that each output terminal is connected to a different speaker.

**?** **The Touch Sensor Tone doesn't sound.**
- ✔ The preout jack is being used.
  - ☞ The Touch Sensor Tone can't be output from the preout jack.

**?** **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.

# Troubleshooting Guide

## 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.

## Cassette tape source

**? Can't remove tape.**
✔ The cause is that more than 10 minutes has elapsed since the vehicle ACC switch was turned OFF.
☞ The tape 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 Tape Advance and Music Repeat don't operate correctly.**
✔ The space between the songs on the tape can't be recognized because it's too short.
☞ Have at least 4 seconds between songs.

✔ The space between songs can't be recognized because there's too much noise between songs.
☞ Reduce the noise between songs.

**? The blank skip doesn't work.**
✔ Because noise is too loud, the non-recorded part can't be recognized.
☞ Reduce the noise between songs.

**? Blank Skip functions at places that are recorded.**
✔ Because the recording level is low, it's recognized as not recorded.
☞ Turn Blank Skip OFF.

## Disc source

**? "AUX" is displayed without achieving External disc control mode.**
✔ O-N switch is set to "O" side.
☞ Set the switch to "N" side.

✔ Unsupported disc changer is connected.
☞ Connect the supported disc changer. (page 3)

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

✔ The CD is upside-down.
☞ Load the CD with the labeled side up.

✔ The disc is loaded in a different slot from that specified.
☞ Eject the disc magazine and check the number for the specified disc.

✔ The disc is severely scratched.
☞ Try another disc instead.

**? The specified track will not play.**
✔ Random play or magazine random play has been selected.
☞ Turn off random play or magazine random play.

**? Track repeat, disc repeat, track scan, random play, and magazine random play start by themselves.**
✔ The setting is not canceled.
☞ The settings for these functions remain on until the setting to off or the disc ejected, even if the power is turned off or the source changed.

**? Cannot play CD-R or CD-RW.**
✔ Finalization processing is not being conducted for CD-R/CD-RW.
☞ Conduct finalization processing with CD recorder.

✔ A non-compatible CD changer is being used to play the CD-R/CD-RW.
☞ Use a CD changer compatible with CD-R/CD-RW to play.

**? Track Search can't be done.**
✔ For the albums first or last song.
☞ For each album, Track Search can't be done in the backward direction for the first song or in the forward direction for the last song.

**If the following situations, consult your nearest service center:**
• Even though the disc changer is connected, the Disc Changer source is not ON, with "AUX" showing in the display during the Changer Mode.
• Even though no device (KCA-S210A, CA-C1AX, KDC-CPS87, KDC-CX87, KDC-CPS85, KDC-CX85, KDC-CPS82 or KDC-CX82) is connected, the Auxiliary input is entered when switching modes.

**The following messages are displayed when your system condition.**

EJECT:         No disc magazine has been loaded in the changer.
               The disc magazine is not completely loaded.
               ⇨ Load the disc magazine properly.
               No CD in the unit.
               ⇨ Insert the CD.

NO DISC:       No disc has been loaded in the disc magazine.
               ⇨ Load a disc into the disc magazine.

E-04:          No disc has been loaded in the disc magazine.
               ⇨ Load a disc into the disc magazine.
               The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.
               ⇨ Clean the CD and load it correctly.

BLANK:         Nothing has been recorded on the MD.

NO TRACK:      No tracks are recorded on the MD, although it has a title.

NO PANEL:      The faceplate of the slave unit being connected to this unit has been removed.
               ⇨ Replace it.

E-77:          The unit is malfunctioning for some reason.
               ⇨ Press the reset button on the unit. If the "E- 77" code does not disappear, consult your nearest service center.

E-99:          Something is wrong with the disc magazine. Or the unit is malfunctioning for some reason.
               ⇨ Check the disc magazine. And then 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.

NO NAME:       Attempted to display DNPS during the CD play having no disc names preset.

NO TITLE:      Attempted to display the disc title or track title while the MD having no MD title is being played.

NO TEXT:       Attempted to display the disc text or track text while the CD having no CD text is being played.

LOAD:          Discs are being exchanged in the Disc changer.

◢ (Blink):     The tape player section is not operating properly.
               ⇨ Reinsert the Tape. If the tape cannot be ejected or the display continues to flash even when the tape 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) ...................8.1 dBf (0.7 µV/75 Ω)
Quieting Sensitivity (S/N = 46dB) ..............15.2 dBf (1.6 µV/75 Ω)
Frequency response (±3 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) ............................28 dBµ (25 µV)

### LW tuner section
Frequency range .............................................153 kHz – 281 kHz
Usable sensitivity (S/N = 20dB) ...........................................45 µV

### Cassette player section
Tape Speed.................................................................4.76 cm/sec.
Wow & Flutter (WRMS) ...................................................0.08 %
Frequency response (±3 dB) (120 µs)....................30 Hz – 14 kHz
Separation (1 kHz) ..............................................................43 dB
Signal to Noise ratio ...........................................................54 dB

### Audio section
Maximum output power....................................................45 W × 4
Full Bandwidth Power (at less than 1% THD) ...............22 W x 4
Tone action
    Bass : .........................................................100 Hz ±10 dB
    Middle : .........................................................1 kHz ±10 dB
    Treble :.......................................................10 kHz ±10 dB
Preout level / Load (during disc play) .................1800 mV / 10 kΩ
Preout impedance...........................................................≤ 600 Ω

### General
Operating voltage (11 – 16V allowable) ..............................14.4 V
Current consumption.............................................................10 A
Installation Size (W x H x D) ..........................182 x 53 x 152 mm
Weight ..................................................................................1.4 kg