KENWOOD

KDC-PSW9521
KDC-M9021SE
KDC-M9021
KDC-8021

CD-RECEIVER
INSTRUCTION MANUAL
KENWOOD CORPORATION

COMPACT
disc
DIGITAL AUDIO

CH01

Designed for
Windows
Media™

Contents

Safety precautions

⚠️WARNING

To prevent injury and/or fire, take the following precautions:

- Insert the unit all the way until it is fully locked in place. Otherwise it may fly out of place during collisions and other jolts.
- 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 short circuits, never put or leave any metallic objects (e.g., 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.

⚠️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 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 short circuits when replacing a fuse, first disconnect the wiring harness.
- Do not place any object between the faceplate and the unit.
- During installation, do not use any screws except for the ones provided. The use of improper screws might result in damage to the main unit.
- Do not apply excessive force to the moving faceplate. Doing so will cause damage or malfunction.
- Do not apply excessive force to the open faceplate or place objects on it. Doing so will cause damage or breakdown.

IMPORTANT INFORMATION

About CD players/disc changers connected to this unit

KENWOOD disc changers/ CD players released in 1998 or later can be connected to this unit.
Refer to the catalog or consult your Kenwood dealer for connectable models of disc changers/ CD players.
Note that any KENWOOD disc changers/ CD players released in 1997 or earlier and disc changers made by other makers cannot be connected to this unit.
Unsupported connection may result in damage.
Setting the "O-N" Switch to the "N" position for the applicable KENWOOD disc changers/ CD players.
The functions that can be used and the information that can be displayed will differ depending on the models being connected.

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

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

If you try to load an 8-cm CD with its adapter into the unit, the adapter might separate from the CD and damage the unit.

Safety precautions

NOTE

• 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. After you press the reset button, the Mask Key will be needed to restart the unit. If the unit still fails to operate properly after the Reset button has been pressed, contact your local KENWOOD dealer for assistance.
• Press the reset button if the Disc auto changer fails to operate correctly. Normal operation should be restored.
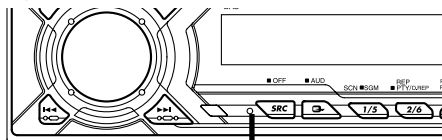
Reset button

• If you send products in for repair that include a mask key, make sure to present the unit together with the mask key.

• 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.

When using the unit for the first time

In order to deactivate the demonstration mode. Transmit the Mask Key's signal. (page 30)

Lens Fogging

Right after 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, CDs may be impossible 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.

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.

Cleaning the CD Slot

As dust can accumulate in the CD slot, clean it occasionally. Your CDs can get scratched if you put them in a dusty CD slot.
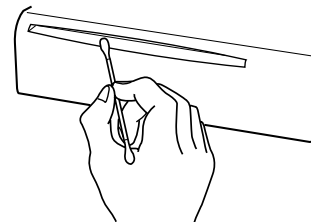
About RDS

RDS (Radio Data System)

When listening to an RDS station, the program
service name of the station is displayed,
advising you quickly which station is being
received.
RDS (Radio Data System) stations also
transmit alternative frequency data for the
same station. When you are making long trips,
this function automatically 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
program, 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.

Notes on playing MP3/WMA(KDC-PSW9521)/ MP3(KDC-M9021SE/KDC-M9021)

This unit can play MP3(MPEG1, 2, 2.5 Audio Layer 3)/WMA. Note, however, that the MP3/WMA recording media and formats acceptable are limited. When writing MP3/WMA, pay attention to the following restrictions.

Acceptable media
The MP3/WMA recording media acceptable to this unit are CD-ROM, CD-R, and CD-RW.
When using CD-RW, do full format not quick format to prevent malfunction.

Acceptable medium formats
The following formats are available for the media used in this unit. The maximum number of characters used for file name including the delimiter (".") and three-character extension are indicated in parentheses.
• ISO 9660 Level 1 (12 characters)
• ISO 9660 Level 2 (31 characters)
• Joliet (64 characters)
• Romeo (128 characters)
Up to 200 characters can be displayed in the long file name format. For a list of available characters, see the instruction manual of the writing software and the section Entering file and folder names below. The media reproducible on this unit has the following limitations:
• Maximum number of directory levels: 8
• Maximum number of files per folder: 255
• Maximum number of characters for folder name: 64
• Maximum number of folders: 50
MP3/WMA written in the formats other than the above may not be successfully played and their file names or folder names are not properly displayed.

Settings for your MP3/WMA encoder and CD writer
Do the following setting when compressing audio data in WMA data with the WMA encoder.
• Transfer bit rate: 64k —192 kbps
• Sampling frequency: 32k, 44.1k, 48k Hz

When you use your CD writer to record MP3/WMA up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to the maximum capacity at once, check Disc at Once.

Entering ID3 tag and Contents Description
The Displayable ID3 tag is ID3 version 1.x.
For the character code, refer to the List of Codes.

Entering file and folder names
The code list characters are the only file names and folder names that can be entered and displayed.
If you use any other character for entry, the file and folder names are not displayed correctly. They may neither be displayed correctly depending on the CD writer used.
The unit recognizes and plays only those MP3/WMA which have the MP3/WMA extension (.MP3/.WMA).

> A file with a name entered with characters not on the code list may not play correctly.

Writing files into a medium
When a medium containing MP3/WMA data is loaded, the unit checks all the data on the medium. If the medium contains a lot of folders or non-MP3/WMA files, therefore, it takes a long time until the unit starts playing MP3/WMA.
In addition, it may take time for the unit to move to the next MP3/WMA file or a Track Search or Album Search may not be performed smoothly.

> Loading such a medium may produce loud noise to damage the speakers.
> • Do no attempt to play a medium containing a non-MP3/WMA file with the MP3/WMA extension.
> The unit mistakes non-MP3/WMA files for MP3/WMA data as long as they have the MP3/WMA extension.
> • Do not attempt to play a medium containing non MP3/WMA.

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!	1	A	Q	a	q	¡	±	Á	Ñ	á	ñ
"	2	B	R	b	r	¢	²	Â	Ò	â	ò
#	3	C	S	c	s	£	³	Ã	Ó	ã	ó
$	4	D	T	d	t	¤	´	Ä	Ô	ä	ô
%	5	E	U	e	u	¥	µ	Å	Õ	å	õ
&	6	F	V	f	v	¦	¶	Æ	Ö	æ	ö
'	7	G	W	g	w	§	·	Ç	×	ç	÷
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MP3/WMA playing order

When selected for play, Album Search, Track Search, or for Album Select, files and folders are accessed in the order in which they were written by the CD writer.

Because of this, the order in which they are expected to be played may not match the order in which they are actually played. You may be able to set the order in which MP3/WMA are to be played by writing them onto a medium such as a CD-R with their file names beginning with play sequence numbers such as "01" to "99", depending on your CD writer.

For example, a medium with the following folder/ file hierarchy is subject to Album Search, Track Search, or Album Select as shown below.

Example of a medium's folder/file hierarchy
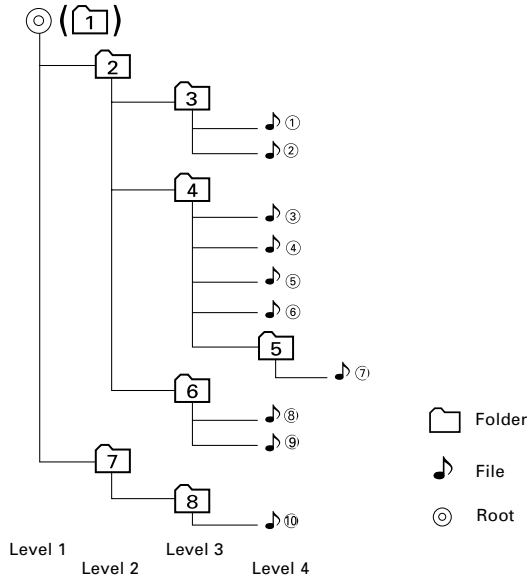
When a Track Search is executed with file ♪④ being played ...

Current file number	Operation of the button	
	I◄◄ Button	►►I Button
♪ ④	Beginning of file ♪④ ► ♪③	♪⑤ ► ♪⑥

When an Album Search is executed with file ♪④ being played ...

Current folder number	Operation of the button	
	AM Button	FM Button
4	3 ► 2 ► 1 ► 8 •••	5 ► 6 ► 7 ► 8 ► 1 •••

When Album Select is selected with file ♪④ being played to move from folder to folder ...

Current folder number	Operation of the button			
	I◄◄ Button	►►I Button	AM Button	FM Button
4	3	6	2	5

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About CDs

Handling CDs

• Don't touch the recording surface of the CD.
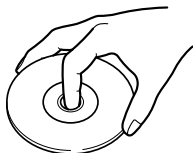
• CD-R and CD-RW are easier to damage than a normal music CD. Use a CD-R or a CD-RW after reading the caution items on the package etc.

• Don't stick tape etc. on the CD.
  Also, don't use a CD with tape stuck on it.

When using a new CD

If the CD center hole or outside rim has burrs, use it after removing them with a ball pen etc.

Burrs

Burrs
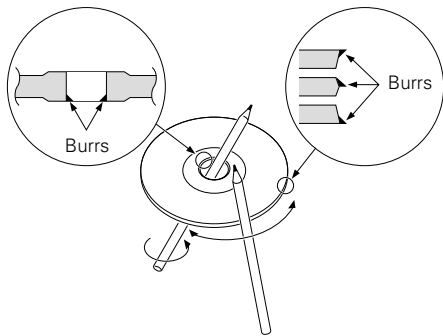
CD accessories

Don't use disc type accessories.

CD cleaning

Clean from the center of the disc and move outward.
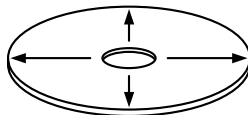
Removing CDs

When removing CDs from this unit pull them out horizontally.

CDs that can't be used

• CDs that aren't round can't be used.
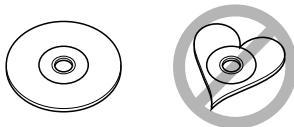
• CDs with coloring on the recording surface or that are dirty can't be used.

• Don't use CDs without disc mark
  .

• A CD-R or CD-RW that hasn't been finalized can't be played. (For the finalization process refer to your CD-R/CD-RW writing software, and your CD-R/CD-RW recorder instruction manual.)

CD storage

• Don't place them in direct sunlight (On the seat or dashboard etc.) and where the temperature is high.

• Store CDs in their cases.

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General features
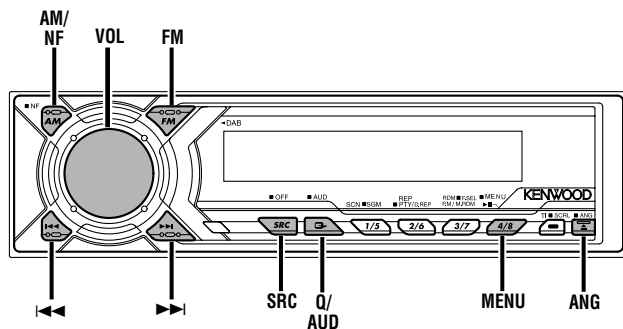
KDC-PSW9521

LOUD indicator

KDC-M9021SE/ KDC-M9021/ KDC-8021
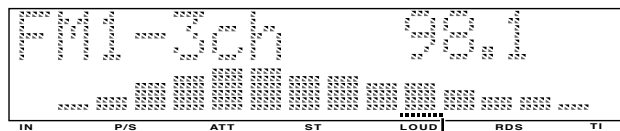
LOUD indicator

Power

Turning ON the Power

Turn the vehicle ignition ON.

The faceplate reverses and control panel is displayed.

Turning OFF the Power

Turn the vehicle ignition OFF.

When the set time for removing the faceplate (page 16) lapses, the faceplate reverses and the control panel is hidden.

⚠ Do not apply force to the faceplate during operation. It can cause damage.

💬 The first time the unit is used it is necessary to cancel the Demonstration mode with the Mask key (page 30). If the Demonstration mode isn't canceled, the unit can't be used normally.

Volume

Increasing Volume

Turn the [VOL] knob clockwise.

Decreasing Volume

Turn the [VOL] knob counterclockwise.

General features

Selecting the Source

Press the [SRC] button.

Source required	Display
Tuner	"TUNER"
CD	"COMPACT DISC"/"CD"
External disc	"DISC-CH"/"DISC"
Auxiliary input	"AUX"
Standby (Illumination only mode)	"ALL OFF"

- • For Auxiliary input one of the below optional accessories is necessary.
  - KCA-S210A
  - CA-C1AX
  - CD changer with an Auxiliary input function installed.
- • This unit automatically turns full power OFF after 20 minutes lapses in Standby mode in order to save the vehicles battery. The time until full power OFF can be set in <Power OFF Timer> (page 37).

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"
User memory	"User Preset"
Rock	"ROCK"
Pops	"POPS"
Easy	"EASY"
Top 40	"TOP 40"
Jazz	"JAZZ"

- • User memory: The values set on the <Audio control> (page 10).
- • Each setting value is changed with the <Speaker setting> (page 12).
  First, select the speaker type with the Speaker setting.

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 [◄◄] or [►►I] button.

Adjustment Item	Display	Range
Bass Center Frequency	"Bass FRQ"	60/70/80/100 or 150 Hz
Bass level	"Bass"	–8 — +8
Bass Q Factor	"Bass Q"	1.00/1.25/1.50/2.00
Bass Extend	"Bass EXT"	ON/OFF
Middle Center Frequency	"MID FRQ"	0.5/1.0/1.5/2.0 kHz
Middle level	"MID"	–8 — +8
Middle Q Factor	"Middle Q"	1.0/2.0
Treble Center Frequency	"TRE FRQ"	10.0/12.5/15.0/17.5 kHz
Treble level	"TRE"	–8 — +8
Balance	"Balance"	Left 15 — Right 15
Fader	"Fader"	Rear 15 — Front 15
Non-Fading level*	"NF Level"	–15 — +15
Front High Pass Filter*	"HPF Front"	Through/40/60/80/100/120/150/180/220 Hz
Rear High Pass Filter*	"HPF Rear"	Through/40/60/80/100/120/150/180/220 Hz
Non-Fading Low Pass Filter*	"LPF NF"	50/80/120/Through Hz
Non-Fading Phase*	"NF Phase"	Normal (0°)/Reverse (180°)
Volume offset	"Volume Offset"	–8 — ±0
Loudness	"LOUD"	ON/OFF

- According to the Bass Q Factor setting value, the frequencies that can be set in Bass Center Frequency change as shown below.

Bass Q Factor	Bass Center Frequency
1.00/1.25/1.50	60/70/80/100
2.00	60/70/80/150

- When the bass extend is set to ON, low frequency response is extended by 20%.
- Volume offset: Each source's volume can be set as a difference from the basic volume.

- Loudness: Compensating for low and high tones during low volume.
  (KDC-PSW9521) The graphic is displayed when Loudness is ON, and is switched OFF when Loudness is OFF.
- * :Function of the KDC-PSW9521/ KDC-M9021SE/ KDC-M9021

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

Function of the KDC-PSW9521/KDC-M9021SE/KDC-M9021

Non-fading Output

Turning the Non-fading output ON or OFF.

Press the [NF] button for at least 1 second.
Each time the button is pressed Non-fading output switches ON or OFF.
When it's ON, "NF ON" is displayed.

Faceplate Angle Adjustment

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

Do not apply excessive force to the faceplate. It can cause damage.

General features

Speaker & Woofer Setting

Speaker setting allows the System Q settings to be fine-tuned according to the type of speakers.
Woofer setting allows for Network configuration according to the type of subwoofers.

1 Enter Standby
Press the [SRC] button.
Select the "ALL OFF" display.

2 Enter Speaker & Woofer Setting mode
Press the [Q] button.
"Speaker Setting" is displayed.

3 Select the Setting mode
Press the [FM] or [AM] button.
Each time the button is pressed it switches between Speaker setting mode and Woofer setting mode.

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

In Speaker setting mode

Speaker type	Display
OFF	"OFF"
For 5 & 4 in. speaker	"5/4 inch"
For 6 & 6x9 in. speaker	"6＊9/6inch"
For the OEM speaker	"O.E.M."

In Woofer setting mode

Woofer type	Display
OFF	"Woofer OFF"
12 in. A type	"12in type A"
10 in. A type	"10in type A"
12 in. B type	"12in type B"
10 in. B type	"10in type B"
12 in. C type	"12in type C"
10 in. C type	"10in type C"
8 in. type	"8inch"
12 in. D type	"12in type D"
10 in. D type	"10in type D"

5 Exit Speaker & Woofer Setting mode
Press the [Q] 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.
"Speaker Setting" is displayed.

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

Speaker type	Display
OFF	"OFF"
For 5 & 4 in. speaker	"5/4inch"
For 6 & 6x9 in. speaker	"6＊9/6 inch"
For the OEM speaker	"O.E.M."

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

Switching Full Screen Display

Switching the Full screen display.

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

2 Select Display Control mode
Press the [FM] or [AM] button.
Select the "Display Mode Select"/"Disp Mode Select" display.

3 Enter Display Control mode
Press the [◄◄] or [►►I] button for at least 1 second.

4 Switch the Full screen display
Press the [◄◄] or [►►I] button.
Each time the button is pressed the display switches.

Information

Information
Demonstration
Spectrum Analyzer 1
Spectrum Analyzer 2
Spectrum Analyzer 3
Graphic 1 (KDC-PSW9521)
Spectrum Analyzer 4 (KDC-M9021SE/ M9021/ 8021)
Graphic 2 (KDC-PSW9521)
Spectrum Analyzer 5 (KDC-M9021SE/ M9021/ 8021)

5 Exit Display Control mode
Press the [MENU] button.

Full Screen display can be selected when "Display Type C" is selected in <Switching Display Type> (page 32).

Switching the Standby Display

Switching the information displayed in Standby.

1 Enter Standby
Press the [SRC] button.
Select the "ALL OFF" display.

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

3 Select Display Control mode
Press the [FM] or [AM] button.
Select the "Display Mode Select"/"Disp Mode Select" display.

4 Enter Display Control mode
Press the [◄◄] or [►►I] button for at least 1 second.

5 Switch the display
Press the [◄◄] or [►►I] button.
Each time the button is pressed the display switches.

Information	Display
Demonstration	"DEMONSTRATION"
Date & Clock	"DATE"/"CLOCK"
Standby display	"ALL OFF"

6 Exit Display Control mode
Press the [MENU] button.

Demonstration can be selected when "Display Type A" or "Display Type C" is selected in <Switching Display Type> (page 32).

General features

Switching Upper and Lower Part Display

Switching the upper and lower part display.

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

2 Select Display Control mode
Press the [FM] or [AM] button.
Select the "Display Mode Select"/"Disp Mode Select" display.

3 Enter Display Control mode
Press the [◄◄] or [►►|] button for at least 1 second.

4 Switch the Upper part display
Press the [FM] or [AM] button.

Switch the Lower part display
Press the [◄◄] or [►►|] button.
Each time the button is pressed the display switches.
The Reference for the display content is after this operation's
explanation.

5 Exit Display Control mode
Press the [MENU] button.

• The same information can't be displayed on the Upper part display
and lower part display.
• The Upper part display and Lower part display switching can be
selected when "Display Type A" is selected in <Display Mode
switching> (page 32).
• When "Display Type B" is selected the Lower part display content
is clock ON or OFF.

In Tuner source

Upper Part Display

Information	Display
Program Service name or Frequency	"BAND+ch+PS"
Radio text	"R-TEXT"

Lower Part Display

Information	Display
Spectrum Analyzer (KDC-PSW9521)	"S/ANA"
Spectrum Analyzer & Graphic (KDC- M9021SE/ M9021/ 8021)	"S/ANA+GRAPHIC"
Spectrum Analyzer & Clock (KDC- M9021SE/ M9021/ 8021)	"S/ANA+CLOCK"
Spectrum Analyzer (KDC- M9021SE/ M9021/ 8021)	"S/ANA"
Radio text	"R-TEXT"
Date	"DATE"
Spectrum Analyzer & Clock (KDC-PSW9521)	"S/ANA+CLOCK"
Clock & Graphic (KDC- M9021SE/ M9021/ 8021)	"CLOCK+GRAPHIC"

In CD/ External disc source

Upper Part Display

Information	Display
Track Time	"P-Time"
Disc name	"DNPS"
Disc title	"DISC-TITLE"
Track title	"TRACK-TITLE"

Lower Part Display

Information	Display
Spectrum Analyzer (KDC-PSW9521)	"S/ANA"
Spectrum Analyzer & Graphic (KDC- M9021SE/ M9021/ 8021)	"S/ANA+GRAPHIC"
Spectrum Analyzer & Clock (KDC- M9021SE/ M9021/ 8021)	"S/ANA+CLOCK"
Spectrum Analyzer (KDC- M9021SE/ M9021/ 8021)	"S/ANA"
Track Title	"TRACK-TITLE"
Disc Title	"DISC-TITLE"
Disc name	"DNPS"
Date	"DATE"
Spectrum Analyzer & Clock (KDC-PSW9521)	"S/ANA+CLOCK"
Clock & Graphic (KDC- M9021SE/ M9021/ 8021)	"CLOCK+GRAPHIC"

⊞ For Disc name registration refer to <Disc Naming (DNPS)> (page 28).

Lower Part Display

Information	Display
Spectrum Analyzer (KDC-PSW9521)	"S/ANA"
Spectrum Analyzer & Graphic (KDC-M9021SE/ M9021)	"S/ANA+GRAPHIC"
Spectrum Analyzer & Clock (KDC-M9021SE/ M9021)	"S/ANA+CLOCK"
Spectrum Analyzer (KDC-M9021SE/ M9021)	"S/ANA"
Album name & Artist name	"ALBUM/ARTIST"
Song title & Artist name	"TITLE/ARTIST"
File name	"FILE NAME"
Folder name	"FOLDER NAME"
Disc name	"DNPS"
Date	"DATE"
Spectrum Analyzer & Clock (KDC-PSW9521)	"S/ANA+CLOCK"
Clock & Graphic (KDC-M9021SE/ M9021)	"CLOCK+GRAPHIC"

⊞ For Disc name registration refer to <Disc Naming (DNPS)> (page 28).

Function of the KDC-PSW9521/KDC-M9021SE/KDC-M9021

In MP3/WMA source

Upper Part Display

Information	Display
Track Time	"P-Time"
Disc name	"DNPS"
Folder name	"FOLDER NAME"
File name	"FILE NAME"
Song title & Artist name	"TITLE/ARTIST"
Album name & Artist name	"ALBUM/ARTIST"

In Auxiliary input source

Lower Part Display

Information	Display
Spectrum Analyzer (KDC-PSW9521)	"S/ANA"
Spectrum Analyzer & Graphic (KDC-M9021SE/ M9021/ 8021)	"S/ANA+GRAPHIC"
Spectrum Analyzer & Clock (KDC-M9021SE/ M9021/ 8021 only)	"S/ANA+CLOCK"
Spectrum Analyzer (KDC-M9021SE/ M9021/ 8021 only)	"S/ANA"
Date	"DATE"
Spectrum Analyzer & Clock (KDC-PSW9521)	"S/ANA+CLOCK"
Clock & Graphic (KDC-M9021SE/ M9021/ 8021)	"CLOCK+GRAPHIC"

⊞ The Auxiliary input name is always displayed on the Upper part display.

General features

Theft Deterrent Faceplate

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

Removing the Faceplate

1 Turn the ignition OFF or press the [SRC] button for at least 1 second.

The power turns OFF and the faceplate slides open.

2 Holding the center part of the faceplate pull it out.
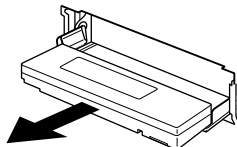
⚠ • When the faceplate is kept remove open, according to the <OFF Wait Time Setting> (page 33) setting, the faceplate is hidden and the power turns OFF.
• The faceplate is a precision piece of equipment and can be damaged by shocks or jolts. For that reason, keep the faceplate in its special storage 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 Set the left side of the faceplate in the faceplate bracket.
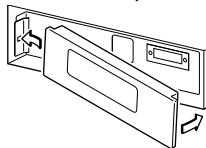
2 Press the right side of the faceplate until it locks.

Hiding the Control Panel

Prevents tampering with the unit while your car is being serviced etc.

Hiding the control panel

Press the [SRC] button for at least 1 second.
The faceplate slides open.
When the time set in <OFF Wait Time Setting> (page 33) lapses, the faceplate is hidden and the power turns OFF.

Showing the control panel

Press the left part at the upper side of the faceplate.
The faceplate will open and show the control panel.

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

KDC-PSW9521

Preset station number   Frequency display

Band display   ST indicator

KDC-M9021SE/ KDC-M9021/ KDC-8021

Band display   Preset station number   Frequency display

ST indicator
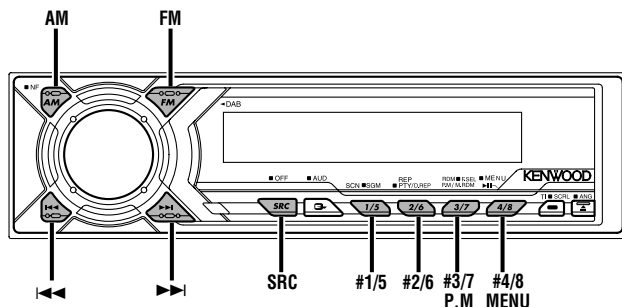
Tuning

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 [I◄◄] or [►►I] button.

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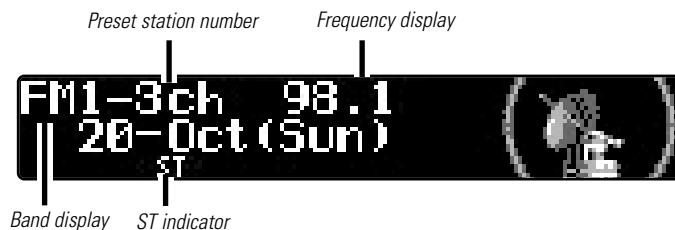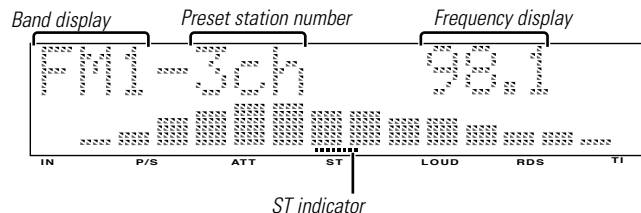
Tuner features

Direct Access Tuning (Function of remote)

Entering the frequency and tuning.

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

2 Enter Direct Access Tuning mode
Press the [DIRECT] button on the remote.
"– – – –" is displayed.

3 Enter the frequency
Press the number buttons on the remote.
Example:

Desired frequency	Press button
92.1 MHz (FM)	[#0], [#9], [#2], [#1]
810 kHz (AM)	[#0], [#8], [#1], [#0]

Canceling Direct Access Tuning
Press the [DIRECT] button on the remote.

Station Preset Memory

Putting the station in the memory.

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

2 Enter Memory mode
Press the [P.M] button for at least 1 second.
"Preset Memory" is displayed.

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

4 Select the preset number
Press the [FM] or [AM] button.

5 Put the frequency in the memory
Press the [P.M] button for at least 2 seconds.
The preset number display blinks 1 time.

6 Repeating steps 3 to 5 and putting the desired broadcast station in the memory.
On each band, 1 station can be put in the memory on each [#1] — [#8].

7 Exit Memory mode
Press the [P.M] 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 "Auto Memory"/"A-Memory" display.

4 Open Auto Memory Entry
Press the [◄◄] or [►►] button for at least 2 seconds.
When 8 stations that can be received are put in the memory Auto Memory Entry closes.

• When the <AF Function> (page 35) is ON, only RDS stations are put in the memory.
• When Auto Memory Entry is done with the FM2 band, the RDS stations preset in the FM1 band aren't put in the memory. Likewise, when it is done with the FM3 band, RDS stations preset in FM1 or FM2 aren't put in the memory.
8 stations can be put in the memory on each band.

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 [#1/5] — [#4/8] button.
The stations are called up as shown below.

Press button	Call up number
[#1/5]	No.1 ⬌ No.5
[#2/6]	No.2 ⬌ No.6
[#3/7]	No.3 ⬌ No.7
[#4/8]	No.4 ⬌ No.8

Each time the button is pressed, the called up station switches cyclically.

SNPP (Station Name Preset Play) (Function of Remote)

Displaying the program service name and selecting the station.

1 Enter SNPP mode
Press the [DNPP] button on the remote.
When "SNPP" is displayed, the program service name displays the FM1, FM2, FM3 and AM band in order.

For stations without a program service name the frequency is displayed instead.

Changing the display order
Press the [I◄◄] or [►►I] button.

Changing the displayed band
Press the [FM] or [AM] button.

2 If the station you want is displayed
Press the [OK] button on the remote.
The station for the program service name being displayed is received.

Canceling the SNPP mode
Press the [DNPP] button on the remote.

RDS features

AM FM

#1/5 #2/6 #3/7 #4/8 TI
/PTY /P.M /SCRL

I◀◀ ▶▶I

KDC-PSW9521

Program Service name

Radio text   TI indicator

KDC-M9021SE/ KDC-M9021/ 8021

Program Service name

Radio text

TI indicator
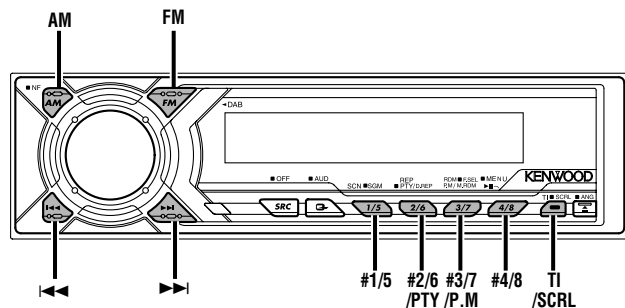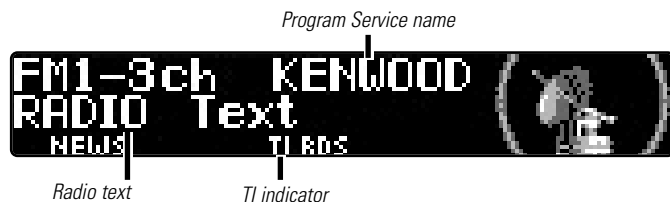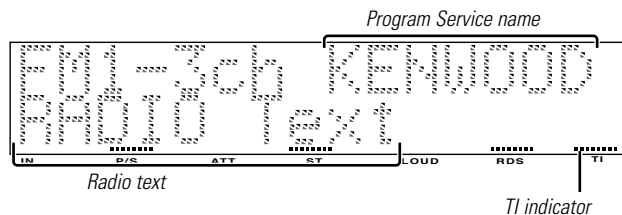
Traffic Information

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 Info" 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.
> • During reception of traffic information the adjusted volume is automatically remembered, and the next time it switches to traffic information it's automatically the remembered volume.

Receiving other traffic information stations
Press the [I◀◀] or [▶▶I] button.

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

Radio Text Scroll

Scrolling the displayed radio text.

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

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PTY (Program Type)

Selecting the Program Type and searching for a station.

1 Enter PTY mode
Press the [PTY] button for at least 1 second.
"PTY Select" is displayed.

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.	Speech	"All Speech"
2.	Music	"All Music"
3.	News	"News"
4.	Current Affairs	"Current Affairs"
5.	Information	"Information"
6.	Sport	"Sport"
7.	Education	"Education"
8.	Drama	"Drama"
9.	Culture	"Cultures"
10.	Science	"Science"
11.	Varied	"Varied Speech"
12.	Pop Music	"Pop Music"
13.	Rock Music	"Rock Music"
14.	Easy Listening Music	"Easy Listening M"
15.	Light Classical	"Light Classic M"
16.	Serious Classical	"Serious Classics"
17.	Other Music	"Other Music"
18.	Weather	"Weather & Metr"
19.	Finance	"Finance"
20.	Children's programs	"Children's Prog"
21.	Social Affairs	"Social Affairs"
22.	Religion	"Religion"
23.	Phone In	"Phone In"
24.	Travel	"Travel & Touring"
25.	Leisure	"Leisure & Hobby"
26.	Jazz Music	"Jazz Music"
27.	Country Music	"Country Music"
28.	National Music	"National Music"
29.	Oldies Music	"Oldies Music"
30.	Folk Music	"Folk Music"
31.	Documentary	"Documentary"

• Speech and Music include the Program types shown below.
Speech: No.3 — 11, 18 — 25, 31
Music: No.12 — 17, 26 — 30
• The Program Type can be put in the memory on the [#1/5] — [#4/8] buttons and called up quickly. Refer to <Program Type preset> (page 22).
• The display language can be changed. Refer to <Changing Language for PTY Function> (page 22).

3 Search for the selected Program Type station
Press the [I◄◄] or [►►I] button.
When you want to search for other stations press the [I◄◄] or [►►I] 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 for at least 1 second.

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RDS features

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 21).

2 Enter Memory mode
Press the [P.M] button for at least 1 second.
"PTY Memory" is displayed.

3 Select the preset number
Press the [FM] or [AM] button.

4 Preset the Program Type
Press the [P.M] button for at least 2 seconds.
The preset number display blinks 1 time.

5 Exit Memory mode
Press the [P.M] button.

Calling up the preset Program Type

1 Enter PTY mode
Refer to <PTY (Program Type)> (page 21).

2 Call up the Program Type
Press the [#1/5] — [#4/8] button.
They are called up as shown below.

Press button	Call up number
[#1/5]	No.1 ⬌ No.5
[#2/6]	No.2 ⬌ No.6
[#3/7]	No.3 ⬌ No.7
[#4/8]	No.4 ⬌ No.8

Each time the button is pressed, the called up Program Type switches cyclically.

Changing Language for PTY Function

Selecting the Program Type display language.

1 Enter PTY mode
Refer to <PTY (Program Type)> (page 21).

2 Enter Changing Language mode
Press the [TI] button.
"PTY LANG Select" is displayed.

3 Select the language
Press the [FM] or [AM] button.
Each time the button is pressed the language switches as shown below.

Language	Display
English	"English"
Spanish	"Spanish"
French	"French"
Dutch	"Dutch"
Norwegian	"Norwegian"
Portuguese	"Portuguese"
Swedish	"Swedish"
German	"German"

4 Exit Changing Language mode
Press the [TI] button.

CD/MP3/WMA/External disc control features

AM   FM

AM   FM

I◄◄   ►►I   SRC   SCN/   REP/   ►II   ▲
                                        #1   D.REP   MENU
                                                     RDM/   SCRL
                                                     M.RDM/
                                                     F.SEL

KDC-PSW9521

Disc number   *Track number*   *Track time*

D03 T-03   12:34
KENWOOD
IN

IN indicator   *Track title/ Disc title*
                      File name/ Folder name/ MP3/WMA text

KDC-M9021SE/ KDC-M9021/ KDC-8021

Disc number   *Track number*   *Track time*

D03 T-03   12:34
KENWOOD

IN   P/S   ATT   ST   LOUD   RDS   TI

IN indicator   *Track title/ Disc title*
                      File name/ Folder name/ MP3/WMA text

— 23 —
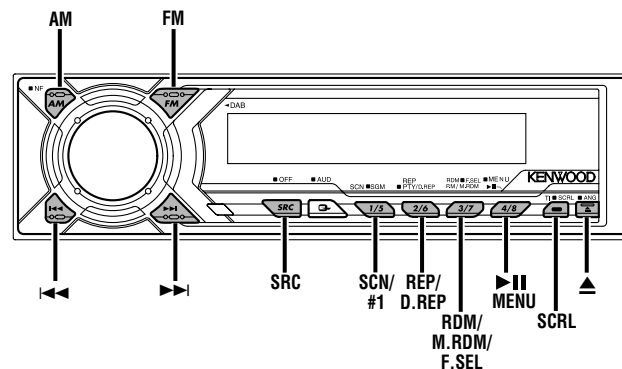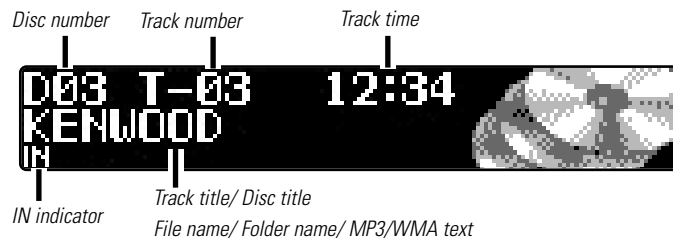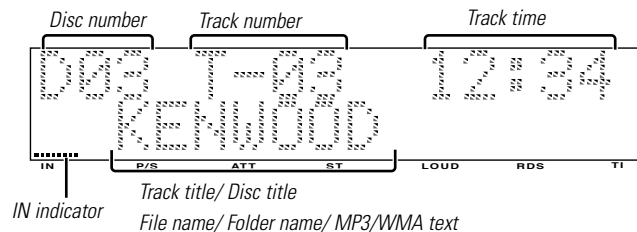
CD/MP3/WMA/External disc control features

Playing CD & MP3/WMA

When there is no disc inserted

1 Slide open the faceplate
Press the [▲] button.

2 Insert a disc.

⚠ When the faceplate has been slid open, it might interfere with the shift lever or something else. If this happens, pay attention to safety and move the shift lever or take an appropriate action, then operate the unit.

💬 • The sound will be temporarily muted while the faceplate is moving.
• The models that can play MP3 are shown below.
KDC-PSW9521/ M9021SE/ KDC-M9021
The model that can play WMA is shown below.
KDC-PSW9521
• When a disc is inserted the "IN" indicator is ON.

When a disc is inserted
Press the [SRC] button.
Select the "COMPACT DISC"/"CD" display.

Pause and play
Press the [►II] button.
Each time the button is pressed the song pauses or plays.

Eject the disc

1 Eject the disc
Press the [▲] button.

2 Close the faceplate
Press the [▲] button.

⚠ 3 in. (8cm) disc can't be played. Using an adapter and inserting them into this unit can cause damage.

💬 The MP3/WMA media that this unit can play are CD-ROM, CD-R, and CD-RW.
The medium formats must be ISO 9660 Level 1, Level 2, Joliet, or Romeo. The methods and precautions to be followed for writing MP3/WMA data are covered in <Notes on playing MP3/WMA> (page 6). Check that section before creating your MP3/WMA media.

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
"COMPACT DISC2"/"CD2"	CD player
"DISC-CH"/"DISC"	CD changer/ MD changer

Pause and play
Press the [►II] button.
Each time the button is pressed it pauses and plays.

💬 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 [►►I] button.
Release your finger to play the disc at that point.

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

Track Search

Searching for a song on the disc or in the MP3/WMA folder.

Press the [I◄◄] or [►►I] button.

Album Search

Selecting the disc set in the Disc changer or the folder recorded on the MP3/WMA media.

Press the [FM] or [AM] button.

Direct Track Search (Function of remote)

Doing Track Search by entering the track number.

1 Enter the track number
Press the number buttons on the remote.

2 Do Track Search
Press the [I◄◄] or [►►I] button.

Canceling Direct Track Search
Press the [►II] button.

Direct Album Search (Function of disc changers with remote)

Doing Disc Search by entering the disc number.

1 Enter the disc number
Press the number buttons on the remote.

2 Do Album Search
Press the [FM] or [AM] button.

Canceling Direct Album Search
Press the [►II] button.

Track Repeat (Function of CD/MD)

Replaying the song you're listening to.

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

CD/MP3/WMA/External disc control features

Album Repeat (Function of CD/MD)

Replaying the disc in the Disc changer you're listening to.

Press the [REP] button for at least 1 second.
Each time the button is pressed Album Repeat turns ON or OFF.
When it's ON, the "Disc Repeat ON" is displayed.

Function of the KDC-PSW9521/KDC-M9021SE/KDC-M9021

Track/Album Repeat (Function of MP3/WMA)

Replaying MP3/WMA file or folder 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	"File Repeat ON"
Album Repeat	"Folder Repeat ON"
OFF	"Repeat OFF"

Track Scan

Playing the first part of each song on the disc or MP3/WMA folder you are listening to and searching for the song you want to listen to.

1 Start Track Scan
Press the [SCN] button.
"Scan ON" is displayed.

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

Random Play

Play all the songs on the disc or MP3/WMA folder in random order.

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

When the [▶▶|] 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 for at least 1 second.
Each time the button is pressed the Magazine Random Play turns ON or OFF.
When it's ON, "M.Random ON" is displayed.

When the [▶▶|] button is pressed, the next song select starts.

Album Select (Function of MP3/WMA)

Quickly selecting the folder you want to listen to.

1 Enter Album Select mode
Press the [F.SEL] button for at least 1 second.
"Select Mode" is displayed.
During Select mode the folder information is displayed as shown below.
KDC-PSW9521

Folder name display

KENWOOD MP3
Select Mode F03
IN

Folder number display

KDC-M9021SE/ KDC-M9021

Folder name display

KENWOOD MP3
Select Mode F03

IN   P/S   ATT   ST   LOUD   DISC
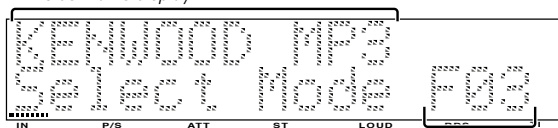
Folder number display

• Folder name display: Displays the current folder name.
• Folder number display: Displays the number in the folder belonging to the currently selected folder.

2 Select the folder level
Press the [FM] or [AM] button.
With the [FM] button you move 1 level down and with the [AM] button 1 level up.

Selecting a folder in the same level
Press the [|◀◀] or [▶▶|] button.
With the [|◀◀] button you move to the previous folder, and with the [▶▶|] button to the next folder.

Returning to the top level
Press the [#1] button.

3 Decide the folder to play
Press the [▶II] button.
The Album Select mode releases, and the MP3/WMA in the folder being displayed is played.

The methods for moving to other folders in the album select mode are different from those in the album search mode.
See <Notes on playing MP3/WMA> (page 6) for details.

Canceling the Album Select mode
Press the [F.SEL] button.

DNPP (Disc Name Preset Play) (Function of disc changers with remote)

Selecting the CD displayed in the DNPS of the CDs set in the Disc changer.

1 Enter DNPP mode
Press the [DNPP] button on the remote.
When "DNPP" is displayed the DNPS display in order.

Forward / Reverse display
Press the [DISC–] or [DISC+] button.

2 When the disc you want is displayed
Press the [OK] button on the remote.
The disc being displayed is played.

Canceling the DNPP mode
Press the [DNPP] button on the remote.

CD/MP3/WMA/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 [|◄◄] or [►►|] button for at least 1 second.

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

6 Select the character type
Press the [►II] button.
Each time the button is pressed the character typed switches as shown below.

Character type

Character type
Alphabet upper case
Alphabet lower case
Numbers and symbols
Special characters (Accent characters)

7 Select the characters
Press the [FM] or [AM] button.

Characters can be entered by using a remote with number buttons. Example: If "DANCE" is entered.

Character	Button	#Times pressed
"D"	[#3]	1
"A"	[#2]	1
"N"	[#6]	2
"C"	[#2]	3
"E"	[#3]	2

8 Repeat steps 5 through 7 and enter the name.

9 Exit name set mode
Press the [MENU] button for at least 1 second.

- 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
  - Internal CD player: 30 discs.
  - 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, MP3/WMA text, or MD title.

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

Menu system

AM   **FM**

|◀◀   ▶▶|

SRC   **MENU**

Signal Sensor

KDC-PSW9521

Menu display

Beep
ON
NEWS   RDS

RDS indicator

KDC-M9021SE/ KDC-M9021/ KDC-8021

Menu display

IN   P/S   ATT   ST   LOUD   RDS   TI

RDS indicator
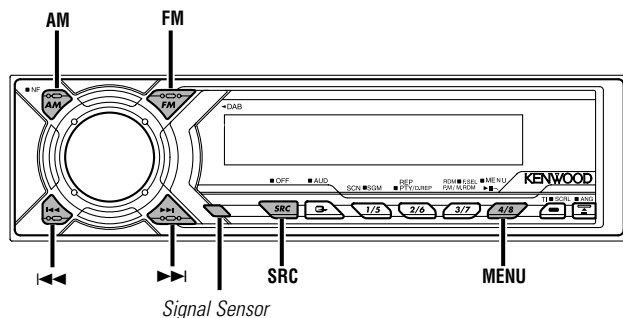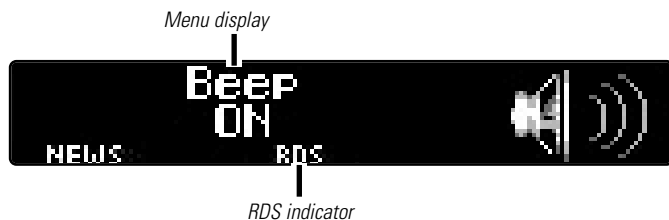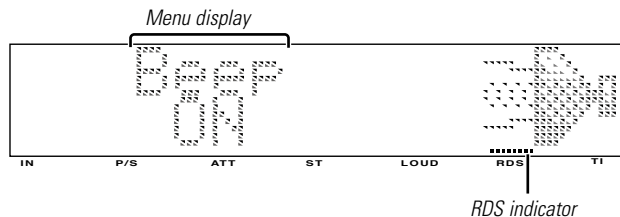
Menu System

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.

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Menu system

Mask Key

Because authorization by the Mask Key is required when it's removed from the vehicle, personalizing this unit by using the Mask Key is a help in preventing theft.

1 Enter Standby
Press the [SRC] button.
Select the "ALL OFF" display.

2 Enter Menu mode
Press the [MENU] button for at least 1 second.
When "MENU" is displayed, "Mask key" is displayed.

3 Enter Mask key mode
Press the [◄◄] or [►►I] button for at least 1 second.
"BAR BAR ☼ 1"/"TRANSMIT1" is displayed.

4 Enter the Mask Key's signal
Hold down the transmit button on the Mask Key until the full transmit level indicator lights up in the display.
"BAR BAR ☼ 2"/"TRANSMIT2" is displayed.

Transmission part

Transmit button
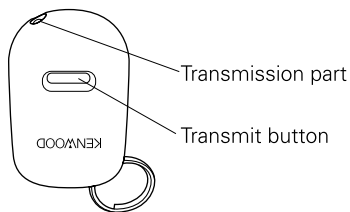
⊕ • Keep the Mask Key close to the signal sensor when you transmit the Mask Key's signal.
• If the Mask Key's signal does not be received correctly, the display will return to "BAR BAR ☼ 1"/"TRANSMIT1" . In this case, repeat the procedure in step 4.

5 Reenter the Mask Key's signal
Hold down the transmit button on the Mask Key until the full transmit level indicator lights up in the display.
"BAR BAR BAR"/"APPROVED" is displayed, and the Mask Key function activates.

Press the Reset button and when it's removed from the battery power source

1 Turn the power ON
The vehicle engine turns ON.
"BAR BAR ☼ 1"/"TRANSMIT1" is displayed.

2 Enter the Mask Key's signal
Repeat steps 4 and 5 above, and enter the Mask Key's signal.
"BAR BAR BAR"/"APPROVED" is displayed.
The unit can be used.

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 31) is set as OFF.

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

2 Enter Clock Adjust mode
Press the [I◄◄] or [►►I] button for at least 1 second.
The clock display blinks.

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

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

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

Date Adjustment

1 Select Date Adjust mode
Press the [FM] or [AM] button.
Select the "Date Adjust" display.

2 Enter Date Adjust mode
Press the [I◄◄] or [►►I] button for at least 1 second.
The date display blinks.

3 Selecting the item (day, month, or year) to adjust
Press the [I◄◄] or [►►I] button.
The items that are blinking are items that can be adjusted.

4 Adjust each item
Press the [FM] or [AM] button.

5 Repeat step 3 and 4 operation and adjust the date.

6 Exit Date adjustment mode
Press the [MENU] button.

Date Mode

Setting the date format.

1 Select Date Mode
Press the [FM] or [AM] button.
Select the "Date Mode" display.

2 Select the date format
Press the [I◄◄] or [►►I] 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.

Selectable Illumination

Selecting the button illumination color as green or red.

Display	Setting
"Button Color Green"/ "Button Green"	The illumination color is green.
"Button Color Red"/ "Button Red"	The illumination color is red.

Menu system

Switching Display Type

Setting the Display type.

Display	Setting
"Display Type A"	Display type divided into Upper and Lower parts.
"Display Type B"	Display type that uses mainly the display upper part.
"Display Type C"	Full screen display type.

⊞ • "Display Type C" can't be selected in Standby.
  • The display of each part can be changed.
    - Switching Upper and Lower Part Display: (page 14)
    - Switching Full Screen Display: (page 13)
    - Icon/Spectrum analyzer Select: (page 32)

Switching Upper and Lower Part Display

For the setting method refer to the <Switching Upper and Lower Part Display> (page 14)/<Switching the Standby Display> (page 13).

Function of the KDC-PSW9521

Icon/Spectrum analyzer Select

This function permits switching of the Icon/Spectrum analyzer display.

1 Select Icon/Spectrum analyzer Select mode
Press the [FM] or [AM] button.
Select the "Icon/Speana Select" display.

2 Select the Icon/Spectrum analyzer
Press the [◄◄] or [►►] button.

Function of the KDC-PSW9521

Font Type Select

Selecting the display font.

1 Select Font Type Select Mode
Press the [FM] or [AM] button.
Select the "Font Select" display.

2 Select the font
Press the [◄◄] or [►►] button.

— 32 —

Font Color Select

Selecting the display font color.

1 Select Font Color Select Mode
Press the [FM] or [AM] button.
Select the "Font Col Select" display.

2 Select the color
Press the [◄◄] or [►►I] button.

Dimmer

Dimming this unit's display automatically when the vehicle light switch is turned ON.

Display	Setting
"Dimmer ON"	The display dims.
"Dimmer OFF"	The display doesn't dim.

OFF Wait Time Setting

Setting the time until the faceplate hide operation starts after the power is turned OFF.
The faceplate can be removed only during the set time period.

Display and Setting
"Off Wait 0sec"
⋮
"Off Wait 3sec" (Original setting)
⋮
"Off Wait 25sec"

System Q

Setting display/don't display for the System Q factors (Bass center frequency, Bass Q factor, Bass extend, Middle center frequency, Middle Q factor, and Treble center frequency) in Audio control.

Display	Setting
"System Q ON"	The System Q factors are displayed.
"System Q OFF"	The System Q factors aren't displayed.

Built-in Amp Mute Setting <In Standby mode>

Toggles ON or OFF the mute control on the built-in amplifier. Turning ON this control enhances the preout quality.

Display	Setting
"Builtin AMP Mute OFF"/ "AMP Mute OFF"	The built-in amplifier activates.
"Builtin AMP Mute ON"/ "AMP Mute ON"	The built-in amplifier deactivates.

Menu system

Dual Zone System <In Auxiliary input source>

Makes the sound different for the front channel and rear channel.

Display	Setting
"Zone 2 OFF"	Both the front and rear are Auxiliary input sound.
"Zone 2 ON"	The front is this unit's internal source, and the rear is Auxiliary input sound.

• When the Dual Zone System is ON, there is no rear channel audio control or other effect.
• When the Dual Zone System is being used the front channel can't be used with External disc source.
• When you set the Dual zone system to ON while the non-fading preout is switched ON, the sound of the non-fading preout isn't output.

B.M.S. (Bass Management System)

Adjust the bass boost level of the external amplifier using the main unit.

Display	Setting
"AMP Bass Flat"	Bass boost level is flat.
"AMP Bass +6"	Bass boost level is low (+6dB).
"AMP Bass +12"	Bass boost level is mid (+12dB).
"AMP Bass +18"	Bass boost level is high (+18dB).

• Refer to the catalog or instruction manual for power amplifiers that can be controlled from this unit.
• For amplifiers there are the model that can be set from Flat to +18 dB, and the model that can be set from Flat to +12 dB.
When an amplifier that can only be set to +12 is connected to the unit, "AMP Bass +18" won't work correctly even if it's selected.

B.M.S. Frequency Offset

Setting the central frequency boosted by B.M.S.

Display	Setting
"AMP Freq Normal"	Boost with the normal central frequency
"AMP Freq Low"	Drop the normal central frequency 20%

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 00min"
⋮
"News 90min"

When "News 00min" — "News 90min" is set, the News Bulletin Interrupt function is ON.
When the news bulletin starts, "News" is displayed, and it switches 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 20).
• 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
"Local.S OFF"	The local seek function is OFF.
"Local.S ON"	The local seek function is ON.

Tuning Mode <In Tuner mode>

Sets the tuning mode.

Tuning mode	Display	Operation
Auto seek	"Seek Mode Auto1"	Automatic search for a station.
Preset station seek	"Seek Mode Auto2"	Search in order of the stations in the Preset memory.
Manual	"Seek Mode Manual"	Normal manual tuning control.

Auto Memory Entry <In Tuner mode>

For the operation method refer to <Auto Memory Entry> (page 18).

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.

Menu system

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
"Regional ON"	The Region Restrict Function is ON.
"Regional OFF"	The Region Restrict Function is OFF.

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

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.

Auxiliary Input Display Setting & Disc Naming

For selecting the display when switched to Auxiliary input source. For the Disc Naming refer to the <Disc Naming> (page 28).

1 Select Auxiliary input source
Press the [SRC] button.
Select the "AUX" display.

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

3 Select Auxiliary input display setting mode
Press the [FM] or [AM] button.
Select the "Name Set" display.

4 Enter Auxiliary input display setting mode
Press the [◄◄] or [►►] button for at least 1 second.
The presently selected Auxiliary input display is displayed.

5 Select the Auxiliary input display

Press the [|◄◄] or [►►|] button.

Each time the button is pressed the display switches as shown below.
- "AUX"
- "TV"
- "VCP"
- "GAME"
- "PORTABLE"
- "DVD"

6 Exit Auxiliary input display setting mode

Press the [MENU] button.

When operation stops for 10 seconds, the name at that time is selected, and Auxiliary input display setting mode closes.

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 20min" (Original setting)	Turns the power OFF after 20 minutes.
"OFF 40min"	Turns the power OFF after 40 minutes.
"OFF 60min"	Turns the power OFF after 60 minutes.

Text Scroll

Setting the displayed text scroll.

Display	Setting
"Scroll Manual"	Doesn't scroll.
"Scroll Auto"	Scrolls when the display changes.

The text scrolled is shown below.
- CD text
- Folder name/ File name/ MP3/WMA text
- MD title
- Radio text

Basic Operations of remote

English

FM/AM
DISC+ /DISC−

[#0] — [#9]

ANG

ATT

SRC

|◀◀/▶▶|

▶II

DIRECT/OK

DNPP

VOL.
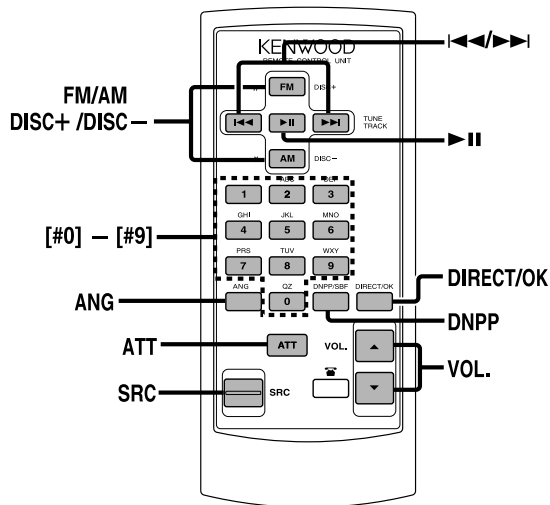
Loading and Replacing the battery

Use one lithium battery (CR2025).
Insert the batteries with the + and − poles aligned properly,
following the illustration inside the case.

① Keep on slide

② Pull out
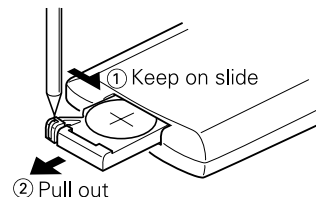
⚠ WARNING

Store unused batteries out of the reach of children. Contact a doctor
immediately if the battery is accidentally swallowed.

⚠ Do not set the remote on hot places such as above the dashboard.

Basic operations

[VOL.] buttons
Adjusting the volume.

[SRC] button
Each time the button is pressed the source switches.
For the source switching order refer to <Selecting the Source>
(page 10).

[ATT] button
Turning the volume down quickly.
When it is pressed again it returns to the previous level.

[ANG] button
Adjusting the Faceplate Angle.

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In Tuner source

[FM]/ [AM] buttons
Select the band.
Each time the [FM] button is pressed it switches between the FM1, FM2, and FM3 bands.

[I◄◄]/ [►►I] buttons
Tune up or down band.

[#0] — [#9] buttons
Press buttons [#1] — [#8] to recall preset stations.

[DIRECT] button
Enters and cancels the <Direct Access Tuning> (page 18) mode.

[►II] button
Enters and cancels the <PTY (Program Type)> (page 21) mode.

[DNPP]/ [OK] button
Enters and cancels the <SNPP (Station Name Preset Play)> (page 19) mode.

In Disc source

[I◄◄]/ [►►I] buttons
Doing track forward and backward.

[DISC+]/ [DISC–] buttons
Doing album forward and backward.

[►II] button
Each time the button is pressed the song pauses and plays.

[DNPP]/ [OK] button
Enters and cancels the <DNPP (Disc Name Preset Play)> (page 27) mode.

[#0] — [#9] buttons
When in <Direct Track Search> (page 25) and <Direct Album Search> (page 25), enter the track/disc number.

Accessories

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

① 1   ④ 1

② 2   ⑤ 1
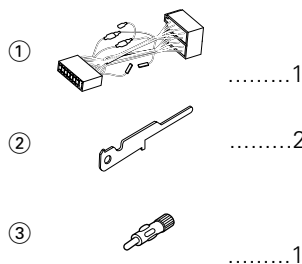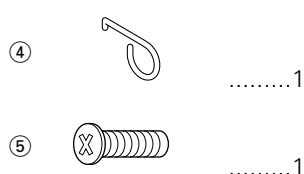
③ 1

⚠ 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 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.

⚠CAUTION

- 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 Conversion Adaptor (ISO–JASO) (Accessory③)

Antenna Cord (ISO)

FM/AM antenna input

Non-fading right output (Red)
(KDC-PSW9521/ M9021SE/ M9021 only)

Non-fading left output (White)
(KDC-PSW9521/ M9021SE/ M9021 only)

Front right output (Red)

Front left output (White)

Rear right output (Red)

Rear left output (White)

NON FADING

FRONT

REAR

To KENWOOD disc changer/
DAB control input/
KPA-SD100/KPA-HD100/KPA-SS100

To connect these leads, refer to the relevant instruction manuals.

To External Display/
Steering remote

Fuse(10A)

Wiring harness
(Accessory①)

External amplifier control wire
(Pink / Black)

EXT.CONT

To "EXT.AMP.CONT." terminal of the amplifier having the external amp control function.

Battery wire (Yellow)

TEL mute wire (Brown)

TEL MUTE

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

Ignition wire (Red)

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

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

P.CONT

ANT.CONT

A–7 Pin (Red)

A–4 Pin (Yellow)

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

Connector A

| 8 | 6 | 4 | 2 |
| 7 | 5 | 3 | 1 |

Connector B

| 8 | 6 | 4 | 2 |
| 7 | 5 | 3 | 1 |

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

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–6	Orange/White	Dimmer
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 (−)

Connecting Wires to Terminals

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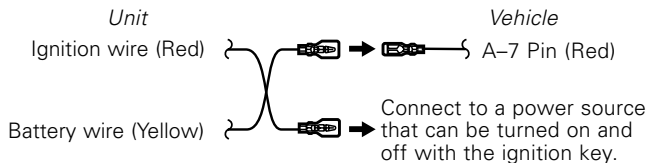
① (Default setting) The A-7 pin (red) of the vehicle's ISO connector is linked with the ignition, and the A-4 pin (yellow) is connected to the constant power supply.
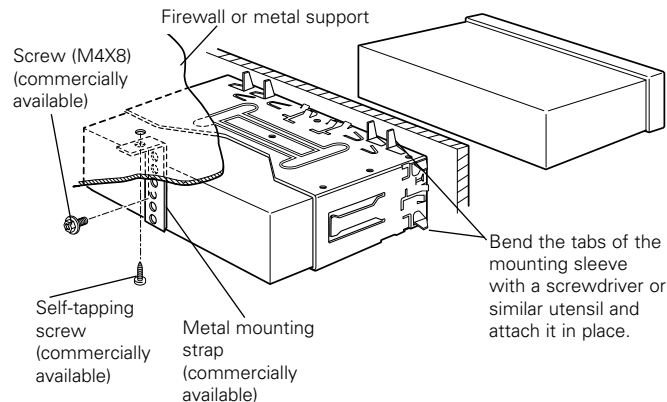
Unit   *Vehicle*

Ignition wire (Red) ⟶ ▣⟹▣ A–7 Pin (Red)

Battery wire (Yellow) ⟶ ▣⟹▣ A–4 Pin (Yellow)
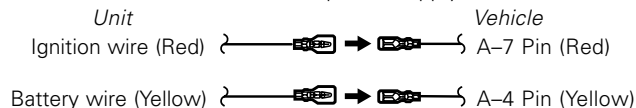
② The A-7 pin (red) of the vehicle's ISO connector is connected to the constant power supply, and the A-4 pin (yellow) is linked to the ignition.

Unit   *Vehicle*

Ignition wire (Red) ▣⟹▣ A–7 Pin (Red)

Battery wire (Yellow) ▣⟹▣ A–4 Pin (Yellow)
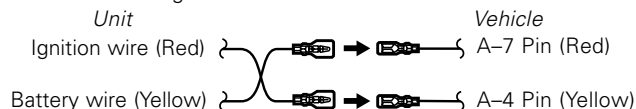
③ The A-4 pin (yellow) of the vehicle's ISO connector is not connected to anything, whilst the A-7 pin (red) is connected to the constant power supply (or both the A-7 (red) and A-4 (yellow) pins are connected to the constant power supply).

Unit   *Vehicle*

Ignition wire (Red) ▣⟹▣ A–7 Pin (Red)

Battery wire (Yellow) ▣⟹ Connect to a power source that can be turned on and off with the ignition key.

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 (eg, the sound may skip).
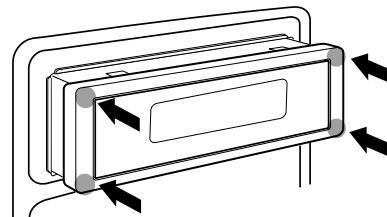

⚠ To attach this unit, make sure the front of the control panel faces you and fit it into the mounting sleeve by pressing the four corners of the hard rubber frame at the same time.

Do not apply strong pressure to other sections than the corners; otherwise troubles such as the impossibility of opening or closing the panel may result.
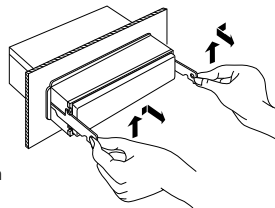
Removing the Unit

1 Insert the removal tool into the indentations in the hard rubber frame, and pull it gently until the lock is released.

Accessory④
Removal tool

2 Remove the screw (M4×8) on the back panel.

Screw (M4X8) (commercially available)
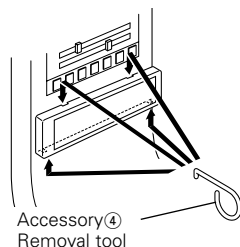
3 Insert the two removal tools deeply into the slots on each side, as shown.

Accessory②
Removal tool
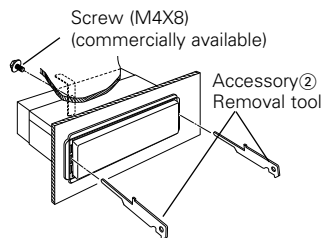
4 Push upward the removal tool toward the top, and pull out the unit halfway while pressing towards the inside.

⚠ 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.
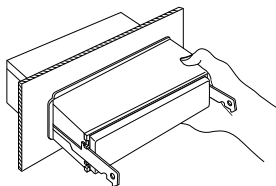
Locking the faceplate to the unit

If you want to lock the faceplate to the unit so that it does not fall off, follow the directions below.

1 Refer to the function "Removing the faceplate" (page 16) and remove the faceplate.

2 Insert the provided screw into the hole at the center of the bottom side of the faceplate which you have removed from the unit.

Accessory⑤
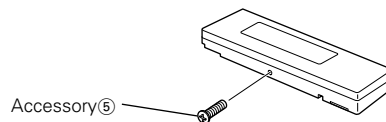
3 Refer to the section "Removing the faceplate" (page 16) and then reattaching the faceplate.

⚠ Never insert the taptite screws (ø2 X 4 mm) in any other screw holes than the one specified. If you insert it in another hole, it will contract and may cause damage to the mechanical parts inside the unit.

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.

? If you have selected Standby mode, the power will go OFF automatically.
  ✔ The Power OFF Timer function has been activated.
    ☞ If you do not want the power to go OFF automatically, cancel the Power OFF Timer function.

? 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 CD 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 faceplate does not open or close.
  ✔ The faceplate is incorrectly attached.
    ☞ Reattach the faceplate correctly, See the section on <Removing the Faceplate>(page 16).

? 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>.

? There's no loudness effect.
  ✔ You're using Non-fading preout.
    ☞ Loudness has no effect in Non-fading preout.

? 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.

? The Bass center frequency, Bass quality factor, Bass extend, Middle center frequency, Middle quality factor, and Treble center frequency can't be adjusted.
  ✔ The <System Q> (page 10) is set OFF.
    ☞ Set it ON.

? 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.
    ☞ Increase the values of Volume offset. (page 10)

  ✔ The <Built-in Amp Mute Setting> (page 33) is ON.
    ☞ Turn it OFF.

? 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.

Troubleshooting Guide

? **Non-fading output, Non-fading Low Pass Filter and Non-fading setting can't be done.**
  ✔ The <Non-fading output> (page 11) is OFF.
    ☞ Turn it ON.

  ✔ The <Dual zone system> (page 34) is ON.
    ☞ Turn it OFF.

? **There's no Front High Pass Filter and Rear High Pass Filter effect.**
  ✔ The Non-fading preout is being used.
    ☞ There's no effect in Non-fading preout.

? **The Mask Key item isn't displayed in the Menu System.**
  ✔ The Mask Key function is already activated.
    ☞ When the Mask Key function is activated it isn't displayed in the menu items.

? **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.

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>.

? **The desired frequency can't be entered with the Direct Access Tuning.**
  ✔ A station that can't be received is being entered.
    ☞ Enter a station that can be received.

  ✔ You're trying to enter a frequency with a 0.01 MHz unit.
    ☞ What can be designated in the FM band is to 0.1 MHz.

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.

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

? **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.

Troubleshooting Guide

? **A CD ejects as soon as it is loaded.**
  ✔ The CD is upside-down.
    ☞ Load the CD with the labeled side up.

  ✔ The CD is quite dirty.
    ☞ Clean the CD, referring to the section on <CD cleaning> (page 8).

? **The disc won't insert.**
  ✔ There's already another disc inserted.
    ☞ Press the [▲] button and remove the disc.

? **Direct Track Search and Direct Album Search can't be done.**
  ✔ Another function is ON.
    ☞ Turn Random Play or other functions OFF.

? **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.

MP3/WMA source

? **Cannot play an MP3/WMA.**
  ✔ Not conforming to ISO 9660 Level 1/2, Joliet, and Romeo.
    ☞ Use a medium conforming to ISO 9660 Level 1/2, Joliet, and Romeo.

  ✔ The MP3/WMA has no or invalid track name extension.
    ☞ Add the ".MP3/.WMA" extension to the MP3/WMA track name.

  ✔ The media is scratched or dirty.
    ☞ Clean the media, referring to the section on <CD cleaning> (page 8).

? **Noise or no sound generated when an MP3/WMA is played.**
  ✔ The track has the MP3/WMA track name extension while it is not an MP3/WMA.
    ☞ Do not use the ".MP3/.WMA" extension in non-MP3/WMA.

? **Takes time before the unit starts playing MP3/WMA.**
  ✔ The medium contains many albums, tracks, and hierarchical levels.
    ☞ The unit checks all tracks on the loaded medium first. If the medium has many tracks recorded, it may take a long time for the unit before it starts playing MP3/WMA.

? **Fails to play MP3/WMA in the intended order.**
  ✔ The MP3/WMA tracks were not written by the CD writer in the order in which you wanted them to be played.
    ☞ Depending on the CD writer, you may be able to set the order in which MP3/WMA tracks are to be played by writing them onto a medium with their track names beginning with play sequence numbers such as "01" to "99".

? **The sound skips when an MP3/WMA is being played.**
  ✔ The media is scratched or dirty.
    ☞ Clean the media, referring to the section on <CD cleaning> (page 8).

  ✔ The recording condition is bad.
    ☞ Record the media again or use another media.

? **Can't display the ID3 tag information correctly.**
  ✔ Record is not made in conformity with the ID 3 tag version1.x.
    ☞ Record in conformity with the ID 3 tag version1.x.

Troubleshooting Guide

? **Can't enter Album Select mode.**
✔ There's no folder recorded in the MP3/WMA media.
☞ Use a media with levels.

? **The songs in the selected folder aren't played in Album Select mode.**
✔ There are no MP3/WMA in the selected folder.
☞ Make sure there's recorded content in the MP3/WMA media.

? **The MP3/WMA track/album search takes time.**
✔ Many tracks are recorded on the media.
☞ When the media directory is complex, the track/album search can take time.

? **The MP3/WMA related text isn't displayed correctly.**
✔ A character is entered that this unit can't display.
☞ For the characters that can be used for MP3/WMA text entry, refer to <Notes on playing MP3/WMA> (page 6).

? **The MP3/WMA track time isn't displayed correctly.**
✔ ---
☞ There are times when it isn't displayed correctly according to the MP3/WMA recording conditions.

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 messages shown below display your systems 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.

TOC Error: The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.
⇨ Clean the CD and load it correctly.

E-05: The CD is upside-down.
⇨ Load the CD correctly.

Blank Disc: Nothing has been recorded on the MD.

No Track Disc: No tracks are recorded on the MD, although it has a title.

No Music Data: Media was played that doesn't have data recorded that the unit can play.
⇨ Use media that has data recorded that the unit can play.

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.

Troubleshooting Guide

Mecha Error: 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 "Mecha Error" code does not disappear, consult your nearest service center.

Hold Error: 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.
• Attempted to display text during reception of the station that isn't sending text data.
• Attempted to display the ID3 tag while the MP3/WMA having no ID3 tag is being played.

Waiting: Radio text data is being received.

Load: Discs are being exchanged in the Disc changer.

Reading: The unit is reading the data on the disc.

NO ACCESS: After setting it in the Disc Changer, DNPP was done without having it been played at least 1 time.

••••••••
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.

Unsupported File: A MP3/WMA is played with a format that this unit can't support.
⇨ ----

Protected File: A copy-protected file is played.
⇨ ----

Specifications

Specifications subject to change without notice.

FM tuner section
Frequency range (50 kHz space) ....87.5 MHz – 108.0 MHz
Usable sensitivity (S/N = 26dB) ....0.7 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 (λ=780 nm)
Digital filter (D/A)......................................8 Times Over Sampling
D/A Converter ....1 Bit
Spindle speed
    (KDC-PSW9521/ M9021SE/ M9021)
    ....1000 – 400 rpm (CLV 2times)
    (KDC-8021)...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) ....105 dB
Dynamic range ....93 dB
Channel separation..95 dB
MP3 decode
    (KDC-PSW9521/ M9021SE/ M9021)
    ....Compliant with MPEG-1.0/2.0/2.5 Audio Layer-3
WMA decode
    (KDC-PSW9521).........Compliant with Windows Media Audio 8

Audio section
Maximum output power...50 W x 4
Output power (DIN 45324, +B=14.4V) ....30 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)
    (KDC-PSW9521/ M9021SE/ M9021) ....4500 mV/10 kΩ
    (KDC-8021) ....1800 mV/10 kΩ
Preout impedance
    (KDC-PSW9521/ M9021SE/ M9021)....................................80 Ω
    (KDC-8021) ....≤ 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 162 mm
Weight ....1.5 kg

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