KENWOOD

DVD-RECEIVER

KDV-5244U
KDV-5544U
KDV-4244
KDV-4544

INSTRUCTION MANUAL

Kenwood Corporation

DVD VIDEO™ | Designed for Windows Media™ | DOLBY DIGITAL | DivX®

Made for iPod | Works with iPhone

Contents

About the functions by playback source

In this manual, functions that can be used with various playback sources are indicated as follows:

|	
DVD-VIDEO	Function of DVD-VIDEO playback.
DVD-VR	Function of DVD-VR playback.
Video CD	Function of Video CD playback.
CD	Function of CD (CD-DA) playback.
Audio File	Function of Audio file playback.
MPEG/DivX®	Function of Video file playback.
JPEG	Function of JPEG file playback.
iPod	Function of iPod playback.

Before use

⚠WARNING

To prevent injury or fire, take the following precautions:
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.

How to reset your unit
- If this unit or the connected unit (disc auto changer, etc.) fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.

Reset button
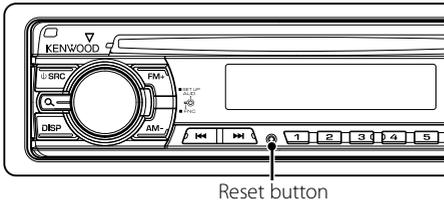
Cleaning the Unit
If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth.
If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

⚠
- Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

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

Lens Fogging
When you turn on the car heater in cold weather, dew or condensation may form on the lens in the DVD player of the unit. Called lens fogging, this condensation on the lens may not allow discs 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.

- If you experience problems during installation, consult your Kenwood dealer.
- When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
- The characters which can be displayed by this unit are A-Z 0-9 @ " ' ` % & * + – = , . / \ < > [ ] ( ) : ; ^ - { } | ~ .
- The RDS feature won't work where the service is not supported by any broadcasting station.
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable.

Handling discs
- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use disc type accessories.
- Clean from the center of the disc and move outward.
- When removing discs from this unit, pull them out horizontally.
- If the disc center hole or outside rim has burrs, use the disc only after removing the burrs with a ballpoint pen etc.

Discs that cannot be used
- Discs that are not round cannot be used.
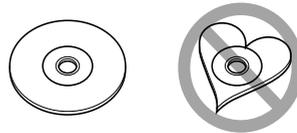
- Discs with coloring on the recording surface or discs that are dirty cannot be used.
- This unit can only play the CDs with .
  This unit may not correctly play discs which do not have the mark.
- You cannot play a disc that has not been finalized. (For the finalization process refer to your writing software, and your recorder instruction manual.)

Before use

List of playable discs

Disc types	Standard	Support	Remark
DVD	DVD Video	○	DTS not supported.
	DVD Audio	×	
	DVD-R	○	MP3/WMA/WAV/JPEG/ MPEG/DivX Playback Multi-border/Multisession/ (Playback depends on authoring conditions) Video mode supported VR mode supported (Only DVD-R/RW)
	DVD-RW	○	
	DVD+R	○	
	DVD+RW	○	
	DVD-R DL (Dual layer)	○	Only video format
	DVD+R DL (Double layer)	○	
	DVD-RAM	×	
CD	Music CD	○	CD-TEXT
	CD-ROM	○	MP3/WMA/WAV/JPEG/ DivX playback Multisession supported Packet write not supported.
	CD-R	○	
	CD-RW	○	
	DTS-CD	×	
	Video CD (VCD)	○	
	Super video CD	×	
	Photo CD	×	
	CD-EXTRA	△	Only music CD session can be played.
	HDCD	△	Sound quality of normal CD music
	CCCD	×	
Others	DualDisc	×	
	Super audio CD	△	Only CD layer can be played.

○ : Playback is possible.

△ : Playback is partly possible.

× : Playback is impossible.

⁂

• When buying DRM enabled contents, check the Registration Code in the <DivX registration> (page 13). Registration Code changes each time a file with the displayed Registration Code is played to protect against copying.

Use of "DualDisc"

When playing a "DualDisc" on this unit, the surface of the disc that is not played may be scratched while the disc is inserted or ejected. Since the music CD surface does not conform to the CD standard, playback may be impossible.

(A "DualDisc" is a disc with one surface containing DVD standard signals and the other surface containing music CD signals.)

About Audio files

• **Playable Audio file**

MP3 (.mp3), WMA (.wma), Linear PCM (WAV) (.wav)

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• If music of normal CD and other playback systems are recorded in the same disc, only the playback system recorded at the first setout is played.

• **Acceptable media**

CD-R/RW/ROM, DVD±R/RW, mass-storage-class USB device, iPod with KCA-iP240V/ KCA-iP101

• **Playable disc file format**

ISO 9660 Level 1/2, Joliet, Romeo.

• **USB device Playable Model**

KDV-5244U/ KDV-5544U

• **Playable USB device file system**

FAT32, FAT16

• **iPod Playable Model**

KDV-5244U/ KDV-5544U

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

• **Playing order of the Audio file**

In the example of folder/file tree shown below, the files are played in the order from ① to ⑩.
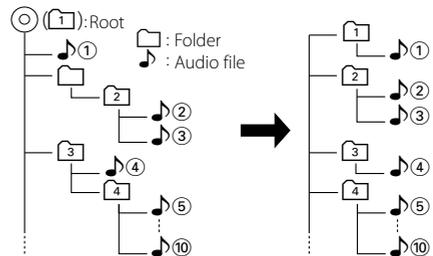
An online manual about audio files is put on the site, www.kenwood.com/audiofile/. On this online manual, detailed information and notes which are not written in this manual are provided. Make sure to read through the online manual as well.

About Video files

• **Acceptable video files**

MPEG1, MPEG2, DivX

• **Extensions**

mpg, mpeg, divx, div, avi

• **Acceptable media**

CD-R/RW/ROM, DVD±R/RW, mass-storage-class USB device, iPod with KCA-iP240V

Acceptable discs, disc formats, USB device file system, file and folder names and playing order are the same as those for audio files. See <About Audio files>.

About Picture files
- **Acceptable picture files**
  JPEG
- **Extensions**
  jpg, jpeg
- **Acceptable media**
  CD-R/RW/ROM, DVD±R/RW, mass-storage-class USB device

Acceptable discs, disc formats, USB device file system, file and folder names and playing order are the same as those for audio files. See <About Audio files>.

iPod/iPhone that can be connected to this unit
Made for
- iPod nano (1st generation)
- iPod nano (3rd generation)
- iPod with video
- iPod touch (1st generation)
- iPod nano (2nd generation)
- iPod nano (4th generation)
- iPod classic
- iPod touch (2nd generation)

Works with
- iPhone
- iPhone 3G

iPhone
4GB 8GB 16GB

iPhone 3G
8GB 16GB

- Update iPod/iPhone software to the latest version.
- You can control an iPod/iPhone from this unit by connecting an iPod/iPhone (commercial product) with Dock connector using an optional accessory iPod connection cable (KCA-iP240V/ KCA-iP101). The word "iPod" appearing in this manual indicates the iPod/iPhone connected with the KCA-iP240V/ KCA-iP101 (optional accessory).
- By connecting your iPod/iPhone to this unit with an optional accessory iPod connection cable (KCA-iP240V/ KCA-iP101), you can supply power to your iPod/iPhone as well as charge it while playing music. However, the power of this unit must be on.

⊛

- If you start playback after connecting the iPod, the music that has been played by the iPod is played first.
- You cannot operate iPod if "KENWOOD" or "✔" is displayed on the iPod.
- A video file stops playing if you switch to another source while playing it. You cannot play from the last playback position if you switch back to iPod.

About USB device
- In this manual, the word "USB device" is used for flash memories and digital audio players which have USB terminals.
- When the USB device is connected to this unit, it can be charged up provided that this unit is powered.
- Install the USB device in the place where it will not prevent you from driving your vehicle properly.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device.
  We shall have no compensation for any damage arising out of erasure of the stored data.
- No USB device comes with this unit. You need to purchase a commercially available USB device.
- When connecting the USB device, usage of the CA-U1EX (option) is recommended.
  Normal playback is not guaranteed when a cable other than the USB compatible cable is used. Connecting a cable whose total length is longer than 5 m can result in abnormal playback.

About DivX
DivX is a popular media technology created by DivX, Inc. DivX media Files contain highly compressed video with high visual quality that maintains a relatively small file size. DivX files can also include advanced media features like menus, subtitles, and alternate audio tracks. Many DivX media files are available for download online, and you can create your own using your personal content and easy-to-use tools from DivX.com.

About DivX Certified
DivX Certified products are officially tested by the creators of DivX and guaranteed to play of DivX video, without DivX 6.

Certified products qualify for one of several DivX Profiles that designate the type of video the product supports, from compact portable video to high-definition video.

Before use

Region codes in the world

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.
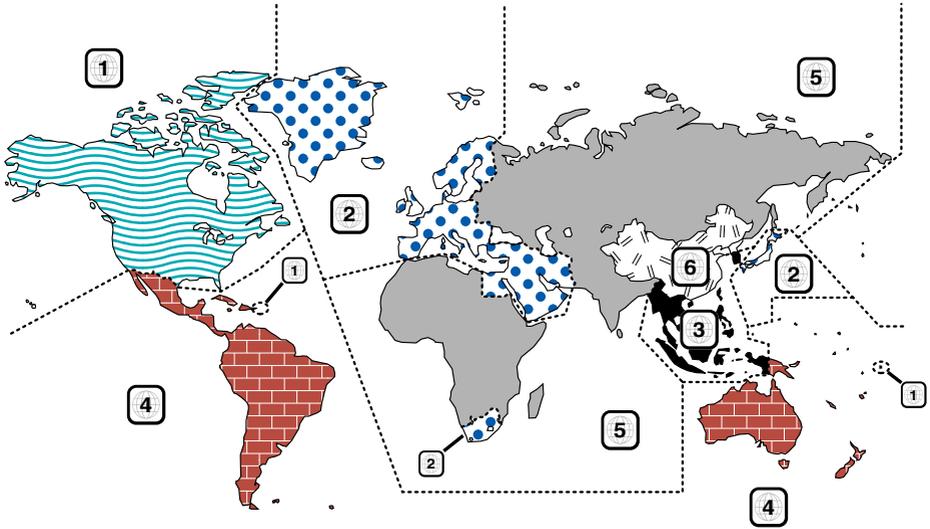
DVD disc marks

Symbol	Description
ALL	Indicates a region number. The discs with this mark can be played with any DVD player.
8))	Indicates the number of audio languages recorded. Up to 8 languages can be recorded in a movie. You can select a favorite language.
32	Indicates the number of subtitled languages recorded. Up to 32 languages can be recorded.
9	If a DVD disc has scenes shot from multiple angles, you can select a favorite angle.
16:9 **LB**	Indicates the type of screen for the image. The left mark indicates that a wide image picture (16:9) is displayed on a standard TV set screen (4:3) with a black band at both the top and bottom of the screen (letter box).

Operation regulatory marks

With this DVD, some functions of this unit such as the play function may be restricted depending on the location where the DVD is playing. In this case, the following marks will appear on the screen. For more information, refer to the disc manual.

Prohibition Mark

Discs with limited period of use

Do not leave discs with a limited period of use in this unit. If you load an already expired disc, you may not be able to remove it from this unit.

For first use

Before using this unit for the first time

Demonstration mode setting

This unit is initially set on the Demonstration mode. When using this unit for the first time, cancel the Demonstration mode setting.

Display	Setting
"DEMO ON"	The Demonstration mode function is ON.
"DEMO OFF"	Cancel Demonstration mode (Normal mode).

Selecting Russian Characters*[1]

If necessary, select Russian as a text display language.

Display	Setting
"RUS ON"	Displays texts using Russian characters.
"RUS OFF"	Displays texts using European characters.

1 Select Standby
Press the [SRC] button.
Select the "STANDBY" display.

2 Enter Function Control mode
Press the [🔍] button for at least 1 second.
"FUNCTION" is displayed.

3 Enter Menu mode
Turn the [AUD] knob to select "MENU".
Press the [AUD] knob.

4 Set the Demonstration mode
Turn the [AUD] knob to select "DEMO".
Press the [AUD] knob for at least 2 seconds.
Select the "DEMO OFF" display.

5 Set the Russian Character*[1]
Turn the [AUD] knob to select "RUS".
Press the [|◄◄] or [►►|] button.

6 Exit Function Control mode
Press the [🔍] button for at least 1 second.

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

⁀⊜

- *[1] Function of KDV-5544U/ KDV-4544
- These settings can be changed later.

Language Setup

Set a language used for screen display, DVD subtitles, etc.

- "Language" item of the Setup menu (page 13)

DSP Setup

To get clear sound, set the sound environment according to the location and size of physically installed speakers with reference to the followings:

- "MENU" > "SWPRE" of <Function Control> (page 11)
- Cabin selection (page 29)
- Speaker Setting (page 29)
- DTA (Digital Time Alignment) setting (page 30)
- X'Over setting (page 30)

⁀⊜

- Setting "DSP SET" to "BYPASS" disables the settings related to the DSP function. Refer to "DSP" > "DSP SET" of <Function Control> (page 12).

Basic Operation of control panel

[SRC] Release   [FM+] [AM–]   Disc slot   [⏏]   USB Terminal*¹

[🔍] [DISP] [AUD]   [|◄◄] [►►|]   [1] [2] [3] [4] [5] [6]   AV input
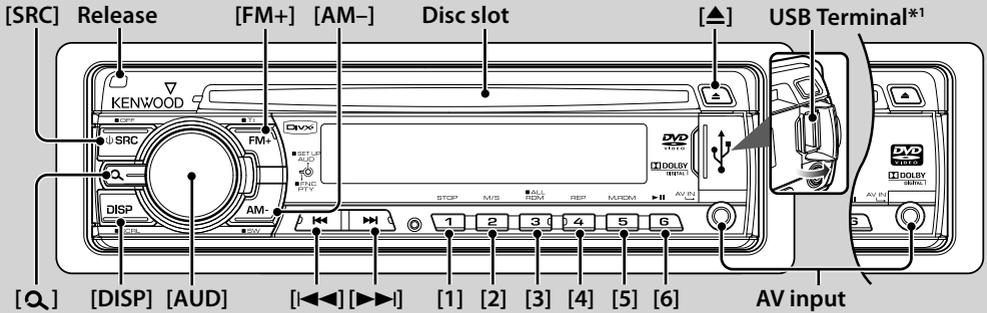
General functions

Power/Source Select button: [SRC]
Turns on the power.
When the power is on, the source switches between Tuner ("TUNER"), USB*¹ or iPod*¹ ("USB" or "iPod"), DVD ("DVD"), AV input ("AVIN"), and Standby ("STANDBY") each time this button is pressed.
Press at least 1 second to turn off the power.

⟮💬⟯
• When an optional accessory is connected, the source name for each device appears.

Volume control: [AUD] knob
Turn the knob to adjust the volume.

Subwoofer output: [AM–]
Switches between ON ("SW ON") and OFF ("SW OFF") each time this button is pressed for at least 2 seconds.

⟮💬⟯
• You can do this function when "SWPRE" in <Function Control> (page 11) is set to "SW".

AV input
Connect an external player such as a digital audio player to AV IN jack. Use of the optional cable CA-C3AV is recommended for connecting an external player.

⟮💬⟯
• The AV input requires the setting made in "MENU" > "AVIN" of <Function Control> (page 11).

Switching display: [DISP]
Changes the information displayed. Refer to page 14 for the details of the display setting.

Text/Title scroll: [DISP]
Scrolls the text display of a CD, audio files or Radio text when pressed for at least 1 second.

Muting volume upon reception of phone call
When there is a call, "CALL" is displayed and the audio system is paused.
When the call ends, "CALL" disappears and the audio system comes back on.
The audio system also comes back on when [SRC] is pressed during a call.

⟮💬⟯
• To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory. Refer to <Connecting Wires to Terminals> (page 37).

Tuner functions

FM band: [FM+]
Switches between FM1, FM2, and FM3 each time the [FM+] button is pressed.

AM band: [AM–]
Switches to AM.

Tuning: [|◄◄]/ [►►|]
Changes the frequency.

⟮💬⟯
• Use the "MENU" > "AUTO1"/ "AUTO2"/ "MANUAL" in <Function Control> (page 10) to change the frequency switching.
• During reception of stereo stations the "ST" indicator is ON.

Preset memory: [1] - [6]
Memorizes the station selected when pressing for at least 2 seconds.

Preset tuning: [1] - [6]
Recalls the memorized station.

Traffic information: [FM+]
Turns ON or OFF the Traffic Information function when pressing for at least 2 seconds. When the function is turned ON, "TI" indicator is ON.

If traffic bulletin starts when the function is ON, "TRAFFIC" is displayed and traffic information is received.

⹌

• If the volume is adjusted during reception of traffic information, the adjusted volume is memorized automatically. The memorized volume will be applied next time the Traffic Information function is turned ON.

DVD/ USB/ iPod play functions

Disc play: Disc slot

Starts playing when a disc is inserted.
When a disc is inserted, the "IN" indicator is ON.

⹌

• Do not attempt to insert a disc into the slot if another one is already there.
• The unit can only play 12 cm (5 inch) discs. If you insert an 8 cm (3 inch) disc, it will get stuck inside and can cause the unit to malfunction.

Disc ejection: [⏏]

⹌

• You can eject the disc for 10 minutes after switching off the engine.

USB device/iPod play*¹: USB Terminal

Connecting a USB device starts playback.

⹌

• For the playable audio file, video file, media, and devices, refer to <About Audio file> (page 4), <About Video file> (page 4).

USB device/ iPod removing*¹

To disconnect the USB device/ iPod, stop the playback by pressing the [1] button, and then disconnect the USB device/ iPod.

Pause and play: [6]

Switches between pause and play each time this button is pressed.

Stops playing: [1]

Track/File search: [|◄◄]/ [►►|]

Changes the chapter/ track/ file when this button is pressed.
Fast reverses or forwards the music while pressing. Pressing these buttons for 5 seconds or longer accelerates the speed of fast-forward or fast-reverse.

⹌

• For the iPod, the fast-forward or reverse speed does not change.

*¹ Function of KDV-5244U/KDV-5544U.

Title/ Folder search DVD-VIDEO DVD-VR Audio File MPEG/DivX® JPEG : [FM+]/ [AM−]

Changes the title/ folder.

Search mode Audio File CD MPEG/DivX® JPEG iPod : [🔍]

After pressing this button, you can quickly search songs with the [AUD] knob. See <Music/Video Search> (page 21) for details.

Changing the audio channel Video CD : [2]

Changes the audio channel when this button is pressed.

Repeat play: [4]

Each time you press the button, the Repeat Play alternates between the modes.

DVD-VIDEO	Chapter Repeat ("CHAP REP"), Title Repeat ("TITL REP") and OFF ("REP OFF")
DVD-VR	Chapter Repeat ("CHAP REP"), Program Repeat ("PRG REP") and OFF ("REP OFF")
Video CD CD	Track Repeat ("TRAC REP") and OFF ("REP OFF") (Video CD: PBC Off)
Audio File MPEG/DivX®	File Repeat ("FILE REP"), Folder Repeat ("FOLD REP"), and OFF ("REP OFF")
JPEG	Folder Repeat ("FOLD REP") and OFF ("REP OFF")
iPod	File Repeat ("REP ONE"), All Repeat ("REP ALL"), and OFF ("REP OFF")

Random play Video CD Audio File CD MPEG/DivX® iPod : [3]

Randomly plays the track/ file in the disc or folder. When Random Play is turned on, "DISC RDM"/ "FOLD RDM" is displayed.

⹌

• iPod : Disabled when VIDEO is being played.

All Random play Audio File MPEG/DivX® iPod : [3]

If you press this button for at least 3 seconds while playing a file, all files in the media play at random ("ALL RDM").
Pressing the button again turns the random play off ("RDM OFF").

⹌

• The time required to turn on the all random function may become longer depending on the number of songs in iPod or the folder structure.
• iPod : Turning on the all random function changes the iPod browse item to "songs". This browse item will not change even if the all random function is turned off.
• iPod : If the brows item is changed to search for music while the all random function is on, the all random function is turned off and the songs in the browse item are played at random.

English | **9**

Function Control/ Setup Menu

Function Control

Functions in the table below can be set up by using Function Control.

1 Enter Function Control mode
Press the [🔍] button for at least 1 second.
"FUNCTION" is displayed.

2 Select your desired setup item

Operation type	Operation
Movement between items	Turn the [AUD] knob.
Selection of item	Press the [AUD] knob.
Return to previous item	Press the [🔍] button.

Repeat selection and determination until your desired setup item is selected.
In this manual, the above selection is indicated as
Press [🔍] 1sec, and select "MENU" ➤ "ICON".

Category	Function of setup item	Condition
"iPodCTRL"*[1]	Allows you to set up iPod Control by Hand Mode.	iPod
"DSP"	Allows you to set up the sound environment.	SB
"MENU"	Allows you to set up the environment.	—
"RETURN"	Exit Function Control mode.	—

3 Make a setting
Press the [AUD] knob or turn the [AUD] knob to select a setting value, and then press the [AUD] knob.
- The value of items with [AUD] mark can be set by pressing the [AUD] knob.
- The value of items with [|◄◄/ ►►|] mark can be set by pressing the [|◄◄] or [►►|] button.
- Some items require you to keep pressing the [AUD] knob for 1 or 2 seconds to set. For these items, the time during which you need to keep pressing the [AUD] knob is displayed in the Entry column in seconds.

4 Exit Function Control mode
Press the [🔍] button for at least 1 second.

Displayed item is depending on currently selected source or mode. The mark in Condition column shows the condition to which the item is displayed.
- **SB** : Can be set in other than standby state.
- **SB** : Can be set in standby state.
- **iPod** : Can be set only during playback of the iPod source. (USB source used when the iPod is connected)
- **DVD** : Can be set during DVD source.
- **Tuner** : Can be set during Tuner source.
- **FM** : Can be set during FM reception.
- **AV IN** : Can be set while accessing AV IN or AUX source.
- **2ZONE** : Can be set for sources other than the standby source by setting "2ZON" of <Audio Setup> (page 27) to "ON".
- — : Can be set during all sources.

(note icon)

- Refer to the respective page for information on how to set the items with reference page number.
- Only the items available to the current source are displayed.

*Factory setting
*[1] Function of KDV-5244U/ KDV-5544U
*[2] Function of KDV-5544U/ KDV-4544

"MENU"

Item	Setting	Entry	Setting overview	Condition	Page
"CODE SET"/ "CODE CLR"		1 sec.	Sets/Resets security code.	SB	26
"SYNC"	"OFF"/ "ON"*	◄◄/►►	Synchronizes the RDS station time data and this unit's clock.	SB	—
"DIM"	"OFF"*/ "ON"	◄◄/►►	Adjusts the brightness of the display according to the surrounding illumination.	—	—

Item	Setting	Entry	Setting overview	Condition	Page
"ICON"	"OFF"/"ON1"/ "ON2"*	◄◄/►►	Sets the Graphics mode of the display.	SB	34
"SWPRE"	"R"*/"SW"/"AV"	◄◄/►►	Sets the preout output.	SB	34
"ZONE2"	"F"/"R"*	◄◄/►►	Specifies the destination of sub source sound when the Dual Zone function is turned on.	2ZONE	34
"NEWS"	"OFF"*/"00M" – "90M"	◄◄/►►	Turns ON/OFF the News Bulletin Automatic Reception function and sets the news bulletin interrupt disabled time.	SB	34
"LO.S"	"OFF"*/"ON"	◄◄/►►	Searches stations with good reception in auto seek tuning.	FM	—
"AUTO1"/"AUTO2"/ "MANUAL"	"AUTO1"*/"AUTO2"/ "MANUAL"	◄◄/►►	Selects the tuning mode of the radio.	Tuner	33
"A-MEMORY"		2 sec.	Memorizes six stations with good reception automatically.	Tuner	24
"AF"	"OFF"/"ON"*	◄◄/►►	When station reception is poor, automatically switches to the station that is broadcasting the same program over the same RDS network.	SB	33
"REG"	"OFF"/"ON"*	◄◄/►►	Sets whether to switch to the station only in the specific region using the "AF" control.	SB	—
"ATPS"	"OFF"/"ON"*	◄◄/►►	When traffic information station reception is poor, automatically searches for a station that can be received better.	SB	—
"MONO"	"OFF"*/"ON"	◄◄/►►	Reduces the noise when stereo broadcasts are received as monaural.	FM	—
"NAME SET"		1 sec.	Sets the display when switched to AV IN or AUX source.	AV IN	15
"RUS"*²	"OFF"/"ON"*	◄◄/►►	Selects Russian as the display language. You have to turn the power off after the setting is changed.	SB	34
"M/V"			Displays the firmware version of Microvision.	DVD	—
"ABOOK"*¹	"SL"/"NM"/"FA"	◄◄/►►	Sets the audio book playback speed.	iPod	—
"SKIP"*¹	"0.5%"*/"1%"/ "5%"/"10%"	◄◄/►►	Sets the ratio of skip performed with <Music/Video Search for iPod>.	iPod	21
"iART"*¹	"OFF"/"ON"*	◄◄/►►	Specifies whether or not the artworks of the music files are displayed.	iPod	—
"FILETYPE" >"DISC" >"USB"*¹	"A/V"/"PIC"	◄◄/►►	Selects playback file type when a disc or USB contains different types of files. You can make advanced settings in the "FILE TYPE" of the Setup menu. "A" or "V" may appear on the display after setting.	SB	13
"SCL"	"AUTO"/"MANU"*	◄◄/►►	When set to "AUTO", scrolls the screen once with the change of the displayed text.	—	—
"AVIN"	"OFF"/"ON1"*/ "ON2"	◄◄/►►	Sets whether to display AV IN during source selection.	SB	33
"OFF"	"---"/"20M"*/ "40M"/"60M"	◄◄/►►	Turns off the power when the preset time has lapsed in the Standby mode.	SB	34
"DEMO"	"OFF"/"ON"*	2 sec.	Specifies whether to enable demonstration.	—	7

"iPodCTRL"

Item	Setting	Entry	Setting overview	Condition	Page
"iPodCTRL"*¹	"HANDS ON"/ "MODE OFF"*	AUD	When set to "HANDS ON", allows you to operate iPod with the control on the iPod.	iPod	22

Function Control/ Setup Menu

"DSP"

Item		Setting	Entry	Setting overview	Condition	Page
"CONTROL"	"EQ"		[AUD]	Sets the sound quality.	SB	27
	"B.BOOST"	"OFF"*/ "STEP1"/"2"	(AUD)	Sets the Bass Boost level in two steps.	SB	—
	"HIGHWAY"	"OFF"/ "STEP1"/"2"/ "3"*/"4"	(AUD)	Compensates the low volume or bass sound being lost by road noises to make vocal sound clearer.	SB	34
	"POSITION"		[AUD]	Compensates the sound environment in accordance with the listening position.	SB	28
"SETUP"	"CABIN"		[AUD]	Selects the car type to compensate the distance difference between each speaker.	SB	29
	"SPEAKER"		[AUD]	Sets the connected speaker, speaker size, and installation position.	SB	29
	"DTA"		[AUD]	Makes fine adjustment of the compensation value specified at Cabin.	SB	30
	"X'OVER"		[AUD]	Makes fine adjustment of the X'Over value specified at Speaker.	SB	30
"PRESET"	"RECALL"		[AUD]	Registering the value setup by Sound Control. Recalling the sound setup registered by <Audio Preset Memory>.	SB	31
	"MEMORY"		[AUD]	Registering the value setup by Sound Control.	SB	31
"DSP SET"		"BYPASS"/ "THROUGH"*	(AUD)	Setting "BYPASS" passes the DSP function. Setting "THROUGH" activates the DSP function.	SB	—

Setup menu of remote control

By using the Setup menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup menu, among other things.

1 Select DVD or USB source
Press the [SRC] button.
Select the "DVD" or "USB"*[1] display.

2 Press the [■] button.

3 Enter Setup menu mode
Press the [SETUP] button.
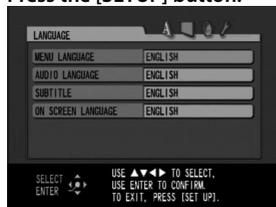
4 Press the [◄]/[►] button to select the menu.
LANGUAGE/ PICTURE/ AUDIO/ OTHER

5 Press the [▲]/[▼] button to select the desired item, and then press the [ENTER] button.
✍ To cancel pop-up menu, press the [RETURN] button.

6 Press the [▲]/[▼] button to select the desired setting, and then press the [ENTER] button to confirm your selection.

7 Exit Setup menu mode
Press the [SETUP] button.
The Setup menu ends.

⌨
• The memory cannot be erased by the Reset button.

*[1] Function of KDV-5244U/ KDV-5544U

LANGUAGE ⚠

Item	Setting
MENU LANGUAGE/ AUDIO LANGUAGE	Selects the initial disc menu language and audio language. Refer to the language code list (page 35).
SUBTITLE	Selects the initial subtitle language or remove the subtitle (OFF). Refer to the language code list (page 35).
ON SCREEN LANGUAGE	Selects a language for the setup menu and on screen display.

PICTURE ▢

Item	Setting
MONITOR TYPE	• **16:9**: Select when a 16:9 wide TV is connected. • **4:3 LETTERBOX**: Select when a standard 4:3 TV is connected. Displays a wide picture with bands on the upper and lower portions of the screen. • **4:3 PAN SCAN**: Select when a standard 4:3 TV is connected. Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.
OSD POSITION	Selects the on-screen bar position on the monitor. • **1**: Higher position. • **2**: Lower position (Guidance below the disc setup menu will disappear.)
iPod ARTWORK*¹	• **ON**: Displays the artwork of your iPod. • **OFF**: Does not display the artwork of your iPod.

AUDIO ◉

Item	Setting
DOWN MIX	• **SURROUND COMPATIBLE**: Uses multi-channel surround audio by connecting an amplifier compatible with Dolby Surround. • **STEREO**: Normally select this.
D.RANGE COMPRESSION	You can enjoy a powerful sound at low or middle volume levels while playing a Dolby Digital software. • **AUTO**: Applies the effect to multi-channel encoded software (excluding 1-channel and 2-channel software). • **ON** : Uses this function always.

OTHER ✎

Item	Setting
DivX REGISTRATION	This unit has its own Registration Code. Once you have played back a disc in which the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection. **1**. Press the [ENTER] button to show Code. **2**. Press the [ENTER] button to exit. ⊞ • When downloading a DivX VOD file controlled by DRM, register the code appeared on the screen such as the one above. Otherwise the file may not be able to play with this unit. Remaining number of viewing is displayed when playing a DivX VOD file with the viewing restriction. When the remaining number of viewing reached 0, a warning message appears and the file cannot be played.
FILE TYPE (DISC)/ FILE TYPE (USB)*¹	Selects playback file type when a disc or USB contains different types of files. • **AUDIO**: Play Audio file (MP3, WMA, WAV). • **STILL PICTURE**: Play JPEG file. • **VIDEO**: Play Video file (MPEG, DivX). • **AUDIO+VIDEO**: Play Audio or Video file.

Clock/ Display Settings

Manual Clock Adjustment

1 Select the Clock display
Press the [DISP] button.

2 Enter Clock adjustment mode
Press the [DISP] button for at least 1 second.
The clock display blinks.

3 Adjusting Clock

Operation type	Operation
Adjust the hours	Press the [FM+] or [AM–] button.
Adjust the minutes	Press the [◄◄] or [►►] button.

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

⧫

• You can do this adjustment when "SYNC" in <Function Control> (page 10) is set to "OFF".

Text Display Selection

Changing displayed information on each source following;

In Tuner source

Information	Display
Program Service name (FM)	"FREQ/PS"
Radio text (FM)	"R-TEXT"
Frequency (MW, LW)	"FREQ"
Clock	"CLOCK"

In DVD/ Video CD source

Information	Display
Title number & Chapter number/	"TNO : CNO"*1
Program number & Chapter number	"PNO : CNO"*1
Track number & Play time*2	"P-TIME"
Clock	"CLOCK"

*1 DVD-VIDEO or DVD-VR only
*2 Track number and play time are not displayed with Video CD PBC On.

In CD & External disc source

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

In Audio file/ Video file/ JPEG file source

Information	Display
Title & Artist name	"TITLE"*1
Album name & Artist name	"ALBUM"*1
Folder name	"FOLDER"
File name	"FILE"
Play time & File number*1	"P-TIME"
Clock	"CLOCK"

*1 "JPEG" is displayed when a file is JPEG.

In iPod source

Information	Display
Music title & Artist name	"TITLE"
Album name & Artist name	"ALBUM"
Play time & Music number	"P-TIME"
Clock	"CLOCK"

In Standby/ AV input source

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

Select the text
Press the [DISP] button.

⧫

• When you select the clock display, the display setting of each source will be changed to the clock display.
• If the selected display item does not have any information, alternative information is displayed.
• If the iPod Control by Hand Mode is set to on while playing the iPod, "iPodMODE" is displayed.

AV Input Display Setting

Selecting the display when changing to AV IN or AUX source.

1 Select AV IN source
Press the [SRC] button.
Select the "AVIN" display.

2 Enter AV input display setting mode
Press [Q] 1 sec, and select "MENU" ➤ "NAME SET".
Press the [AUD] knob for at least 1 second.
The presently selected AV input display is displayed.
• For how to select Function Control items, refer to <Function Control> (page 10).

3 Select the AV input display
Turn the [AUD] knob.
"AVIN"/ "DVD"/ "PORTABLE"/ "GAME"/ "VIDEO"/ "TV"

4 Exit AV input display setting mode
Press the [Q] button.

⊙

• When operation stops for 10 seconds, the name at that time is registered, and the AV input display setting mode closes.
• The AV input display can be set only when the built-in AV input or the auxiliary input of optional KCA-S220A is used. On the KCA-S220A, "AUX EXT" is displayed by default.

Theft Deterrent Faceplate

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

Removing the Faceplate
Press the Release button.
The faceplate unlocks, allowing you to detach it.

⚠

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

Reattaching the Faceplate
Refer to the following diagram when reattaching the faceplate.
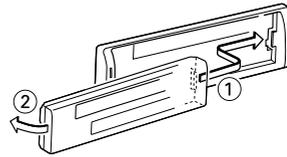
Disc/ USB Operations of Remote Control

Before Use

- Turn on the monitor to watch the playback picture. If you turn on the monitor, you can also control playback of other discs by referring to the monitor screen.
- Set the remote controller mode switch to "DVD" mode before starting operation, refer to <Remote Controller mode switch> (page 32).

Playing a Disc

Inserting a disc in the unit

"READING" appears on the display, and playback starts automatically.

✍ If playback does not start, press [►❙❙].

✍ In some cases, the disc menu might appear instead.

⟮⟯

- The menu screen may be displayed first after loading a DVD or Video CD 2.0 which offers a menu.
- DVDs may have a region code. Your player does not play discs that have a region code different from your player. About the region code, refer to Region code (page 6).
- The playback file may be different depending on the file type set for Audio, Video and JEPG files. (page 13)

Playing a USB device (KDV-5244U/ KDV-5544U)

Connecting the USB device

For a USB device that includes audio files, video files, or photo files, "READING" appears in the display, and playback starts automatically.

⟮⟯

- The playback file may be different depending on the file type set for Audio, Video and JEPG files. (page 13)

Basic Operation

Playing or pausing
Press the [►❙❙] button.

Stopping the play
Press the [■] button.

Searching for a chapter/ scene/ track/ file
Press the [❙◄◄] or [►►❙] button.

Selecting a title/ folder `DVD-VIDEO` `DVD-VR` `MPEG/DivX®` `JPEG` `Audio File`
Press the [FM+] or [AM–] button.

Fast Forwarding or Fast Backwarding
Press the [◄◄] or [►►] button repeatedly to select the required speed.
x2, x5, x10, x20, x60 `DVD-VIDEO` `DVD-VR` `Video CD` `CD` `Audio File`

1, 2, 3 `MPEG/DivX®`

Slow Forwarding or Backwarding `DVD-VIDEO` `DVD-VR` `Video CD`

1 **Press the [►❙❙] button to pause.**
2 **Press the [◄◄] or [►►] button repeatedly to select the required speed.**
   1/32, 1/16, 1/8, 1/4, 1/2

⟮⟯

- Slow motion playback in reverse is not possible with DVD-VR or Video CDs.

Forward frame-by-frame playback `DVD-VIDEO` `DVD-VR` `Video CD`

1 **Press the [►❙❙] button to pause.**
2 **Press the [►►❙] button.**

5 minutes skip `MPEG/DivX®`
Press the [◄] or [►] button.
Skips from the head of a file at five-minute intervals.
Example: 1:23 → 5:00 → 10:00

⟮⟯

- The operation is enabled when the Status and Control bars are not displayed.

Camera angle `DVD-VIDEO`
If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback.
Press the [ANGLE] button repeatedly during playback to select a desired angle.
The number of the current angle appears on the display.

Subtitles `DVD-VIDEO` `DVD-VR` `MPEG/DivX®`
Press the [SUBTITLE] button repeatedly during playback to see the different subtitle languages.

Changing the audio stream `DVD-VIDEO` `DVD-VR` `MPEG/DivX®`
Press the [AUDIO] button repeatedly during playback to hear a different audio stream.
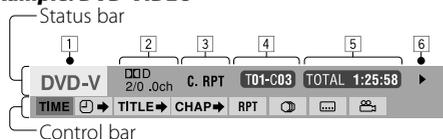
Changing the audio channel `Video CD`
Press the [AUDIO] button repeatedly during playback to hear a different audio channel (STEREO, Left or Right).

Displaying Status and Control
on-screen `DVD-VIDEO` `DVD-VR` `Video CD` `MPEG/DivX®` `JPEG`

You can display various information about the disc loaded on-screen.

Example: DVD-VIDEO

Status bar

DVD-V	ⅅⅅⅅ 2/0 .0ch C. RPT **T01-C03** TOTAL **1:25:58** ▶
	TIME ⏲➡ TITLE➡ CHAP➡ RPT ⓞ ▭ 🎥

Control bar

Status bar

1 Disc type
2 DVD: Audio signal format type and channel
Video CD: PBC
3 Playback mode
"T.RPT" (Title/ Track repeat), "C.RPT" (Chapter repeat), "PG.RPT" (Program repeat), "F.RPT" (Folder repeat)
"F.RND" (Folder random), "A.RND" (All random)
4 Playback information
"T" (Title/ Track), "C" (Chapter), "PG" (Program), "PL" (Play list), "F" (Folder/ File)
5 Time indication
6 Playback status
"▶" (Play), "❙❙" (Pause), "■" (Stop), "▶▶"/"◀◀" (Forward/reverse search), "❙▶"/"◀❙" (Forward/ reverse slow-motion)

Control bar

Format	Icon	Operation
DVD-VIDEO	TIME	Switches the Chapter time ("TIME"), remaining chapter ("REM"), Title time ("TOTAL"), and remaining title ("T.REM").
	⏲➡	Refer to <Time search> (page 18).
	TITLE➡	Direct Title Search.
	CHAP➡	Direct Chapter Search.
	RPT	Switches the Chapter repeat ("CHAPTER"), Title repeat ("TITLE"), and repeat off ("OFF").
	ⓞ	Changes the audio stream.
	▭	Changes the subtitle language.
	🎥	Changes the camera angle.
DVD-VR	TIME	Switches the Program/ Play list time ("TOTAL"), remaining program/ play list ("T.REM").
	⏲➡	Refer to <Time search> (page 18).
	CHAP➡	Direct Chapter Search.
	RPT	Switches the Chapter repeat ("CHAPTER"), Program repeat ("PROGRAM"), and repeat off ("OFF").
	ⓞ	Changes the audio stream.
	▭	Changes the subtitle language.
Video CD	TIME	Switches the Track time ("TIME"), remaining track ("REM"), Disc time ("TOTAL"), and remaining disc ("T.REM").
	⏲➡	Refer to <Time search> (page 18).*[1]
	TRACK➡	Direct Track Search.*[1]
	RPT	Switches the Track repeat ("TRACK"), and repeat off ("OFF").*[1]
	RND	Switches the Disc random ("ALL"), and random off ("OFF").*[1]
	ⓞ	Changes the audio channel.
MPEG/DivX®	RPT	Switches the File repeat ("TRACK"), Folder repeat ("FOLDER"), and repeat off ("OFF").
	RND	Switches the Folder random ("FOLDER"), All random ("ALL"), and random off ("OFF").
	ⓞ	Changes the audio language.
	▭	Changes the subtitle language.
JPEG	RPT	Switches the Folder repeat ("FOLDER"), and repeat off ("OFF").

*[1] While PBC is not in use.

1 Press the [OSD] button during playback.
Pressing the button repeatedly selects Status bar, Status & Control bar, and Status bar off sequentially.

2 Press the [◀] or [▶] button during control bar on-screen to select an item. Press the [ENTER] button.
✍ To cancel pop-up menu, press the [RETURN] button.

3 Press the [▲] or [▼] button to change or select the setting. Press the [ENTER] button.

⁂

• If any button is not pressed for a few seconds, the on-screen display disappears.

Disc/ USB Operations of Remote Control

DVD-VIDEO Disc Menu

DVDs may offer menus that allow you to access special features.

1 Press the [MENU] button
The disc menu is displayed.

2 Use the [▲]/[▼]/[◄]/[►] button to highlight your selection, then press the [ENTER] button.

3 To return to the first menu feature, press the [TOP MENU] button again.

4 To remove the disc menu, press the [MENU] button again.

DVD-VR Menu

Selects an option from the DVD-VR Disc menu.

1 Press the necessary operation button
In case of Program list : [TOP MENU]
In case of Play list : [MENU]

ORIGINAL PROGRAM				
No	Date	Ch	Time	Title
1	25/04/07	4ch	19:00	Kenwood
2	17/05/07	8ch	10:30	
3	22/05/07	8ch	17:00	Musical Festival

PLAY LIST				
No	Date	Chap	Length	Title
1	25/05/07	001	1:03:16	Kenwood
2	17/06/07	005	1:35:25	
3	20/06/07	003	0:10:23	Favorite music

2 Use the [▲] or [▼] button to highlight your selection, then press the [ENTER] button
✍ To remove the disc menu, press the [MENU] button or the [TOP MENU] button again

Video CD PBC Menu

Press [RETURN] to return to the menu screen.
Menu settings and operating procedures may differ. Follow the instructions on the each menu screen.

Canceling the PBC playback

1 Press the [■] button to stop

2 Press the [DIRECT] button

3 Press the number buttons

4 Press the [ENTER] button
✍ To resume PBC, press [TOP MENU] or [MENU].

Zoom

The zoom function allows you to enlarge the video image.

`DVD-VIDEO` `DVD-VR` `Video CD` `MPEG`

Press the [ZOOM] button repeatedly during playback or in the pause mode to enlarge the image.
OFF, 1 – 6
✍ You can move through the zoomed picture using [▲]/[▼]/[◄]/[►].

`JPEG`

1 Press the [►II] button to pause

2 Press the [ZOOM] button repeatedly to enlarge the image
OFF, 1, 2
✍ You can move through the zoomed picture using [▲]/[▼]/[◄]/[►].

Time Search `DVD-VIDEO` `DVD-VR` `Video CD`

The Time Search function allows you to start playing at any chosen time on the disc.

1 Press the [OSD] button twice briefly during playback

2 Press the [◄] or [►] button to select the Time Search icon in the on-screen display. Press the [ENTER] button.
The "_: _ _: _ _" appears in the Time Search box.

3 Press the [▲] or [▼] button to change the number, then press the [◄] or [►] button to move to the next entry

4 Press the [ENTER] button to confirm the start time
Playback starts from the selected time on the disc.
✍ If you enter an invalid time, playback will continue from the current point.

Direct Search

Searching the chapter by entering the number.

1 Select the search mode
Press the [DIRECT] button.
Each time you press the button, the search mode alternates between the modes.

| DVD-VIDEO	Chapter search ("CHAP"), Title search ("TITL"), and Search mode off.
DVD-VR	Chapter search ("CHAP"), Program/Play list search ("PRGM"/ "PLST"), and Search mode off.
Video CD / CD	Track search ("TRAC"/"NMBR") and Search mode off.
MPEG/DivX® / Audio File	Track search ("TRAC" or "Track Search"), Folder search ("FOLD" or "Folder Search"), and Search mode off.
JPEG	File search ("FILE", "TRAC" or "Track Search"), Folder search ("FOLD" or "Folder Search"), and Search mode off when pressed while playing a JPEG.

2 Press the number buttons

3 Press the [ENTER] button

⊜
- Direct Search cannot be performed during Random play.
- The Search mode is cleared automatically after approximately 5 seconds.
- "0" is not displayed in the first digit by pressing the [0] button.
  Example: "- -" ➜ Press [0], [2] ➜ "- 2".

File Select MPEG/DivX® JPEG Audio File CD

You can select a file from the list display.
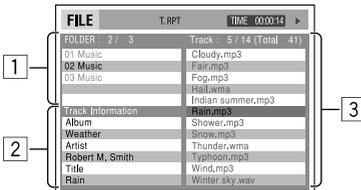
1 Folder list
2 Track information
3 Track list

1 Show the control screen
MPEG/DivX® JPEG **Press the [■] button to stop.**
Audio File CD **Automatically appear during play.**

2 Press [◄] or [►] to select "Folder" column or "Track" column MPEG/DivX® JPEG Audio File

3 Press the [▲] or [▼] button to select a folder or track

4 Start playback
MPEG/DivX® JPEG **Press the [ENTER] button.**
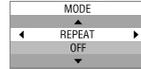Audio File CD **Playback starts automatically.**

⊜
- An image is displayed at the folder list position when an album art is attached to the tag of a playing audio file.

To select a playback mode

1 Show the Playback mode selection screen
Press the [OSD] button.

```
        MODE
         ▲
◄      REPEAT      ►
        OFF
         ▼
```

2 Press the [◄] or [►] button to select a playback mode MPEG/DivX® Audio File CD
"REPEAT"/ "RANDOM"

3 Press the [▲] or [▼] button to select an item
"REPEAT": Track/File repeat*1 ("TRACK"), Folder repeat*2 ("FOLDER"), and repeat off ("OFF").
"RANDOM"*1: Folder random ("FOLDER"), All random ("ALL"), and random off ("OFF").
*1 Not selectable for JPEG
*2 Not selectable for CD

4 Press the [ENTER] button

List screen

1 Press the [■] button to stop

2 Show the list screen
Press the [MENU] or [TOP MENU] button.

3 Select an item from the folder list
Use [▲]/[▼]/[◄]/[►] to highlight your selection, and then press the [ENTER] button.

4 Select a track to start playing
Use [▲]/[▼]/[◄]/[►] to highlight your selection, and then press the [ENTER] or [►] button.
✍ To go back to the folder list, press the [RETURN] button.

5 To remove the List screen, press the [MENU] button again.

iPod Operations of Remote Control

Before Use

- Video output setting of iPod needs to be set on your iPod.
- Turn on the monitor to watch the playback picture. If you turn on the monitor, you can also control playback of other discs by referring to the monitor screen.
- Set the remote controller mode switch to "DVD" mode before starting operation, refer to <Remote Controller mode switch> (page 32).

Playing the iPod

Connecting the iPod
"READING" appears in the display, and playback starts automatically.

Playing or pausing
Press the [▶ Ⅱ] button.

Stopping the play
Press the [■] button.

Searching for a chapter/ scene/ track/ file
Press the [|◀◀] or [▶▶|] button.

Fast Forwarding or Fast Backwarding
Press the [◀◀] or [▶▶] button.

Search Mode

You can select a file from the list display.

1 Category list
2 Track information
3 Track list

1 Enter Search mode
Press the [TOP MENU] or [MENU] button.

2 Select an menu item
Press the [▲] or [▼] button to select an menu
Music/ Videos/ Shuffle Songs

3 Search for music/video

Operation type	Operation
Movement between items	Press the [▲] or [▼] button.
Selection of item	Press the [ENTER] or [▶] button.
Return to previous item	Press the [◀] or [MENU] button.
Return to Top menu	Press the [TOP MENU] button.
Cancelling the Search mode	Press the [RETURN] button.

⁂

- An image is displayed in the category list when a playing song has artwork with "MENU" > "iART" (page 11) of the <Function Control> set to ON.
- It takes some seconds to read artwork. You cannot operate during the read operation.

To select a playback mode

1 Show the Playback mode selection screen
Press the [OSD] button.

2 Select a playback mode
Press the [◀] or [▶] button.
"REPEAT"/ "RANDOM"/ "AUDIO BOOK"

3 Select an item
Press the [▲] or [▼] button.
"REPEAT": File repeat ("ONE"), All repeat ("ALL"), and repeat off ("OFF").
"RANDOM": Song random ("SONGS"), Album random* ("ALBUMS"), and random off ("OFF").
"AUDIO BOOK": Normal speed ("NORMAL"), Faster speed ("FASTER"), and Slower speed ("SLOWER").

4 Press the [ENTER] button
⁂

- * Functions only if you select "All Albums" or "All" in "Albums" of the main "MENU".

Music disc/Audio file/iPod Operation of Control Panel

Music/Video Search `Audio File` `CD` `MPEG/DivX®` `JPEG`

Selecting the track/ file you want to listen to from the device or media being played now.

1 Enter Music/Video Search mode
Press the [⌕] button.
"SEARCH" is displayed.
Displays the current Audio file name.

2 Search for track/ file

`Audio File` `MPEG/DivX®` `JPEG`

Operation type	Operation
Movement between folders/files	Turn the [AUD] knob, or press the [FM+]/ [AM−] button.
Selection of folder/flie	Press the [AUD] knob or [▶▶I] button.
Return to previous folder	Press the [I◀◀] button.
Return to root folder	Press the [I◀◀] button for at least 1 second.

📁 : Indicates that your selection is a folder.
📄 : Indicates that your selection is a file.
✎ The folder tree is not displayed and only folders with files are displayed in order. Refer to <Playing order of the Audio file> (page 4).

`CD`

Operation type	Operation
Movement between track	Turn the [AUD] knob, or press the [FM+]/ [AM−] button.
Selection of track	Press the [AUD] knob.
Return to first track	Press the [I◀◀] button for at least 1 second.

Cancelling the Music/Video Search mode
Press the [⌕] button.

⌯

• Music/Video Search cannot be performed during Random play.

Function of KDV-5244U/ KDV-5544U
Music/Video Search for iPod

Search for the song/ video (in iPod) you want to play.
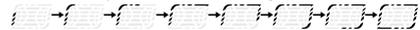
1 Enter Music/Video Search mode
Press the [⌕] button.
"SEARCH" is displayed.

2 Search for song/ video

Operation type	Operation
Movement between items	Turn the [AUD] knob.
Skip Search *[1]	Press the [I◀◀] or [▶▶I] button.
Selection of item	Press the [AUD] knob.
Return to previous item	Press the [FM+] button.
Return to Top menu	Press the [FM+] button for at least 1 second.
Search by initial	Press the [⌕] button for at least 1 second.

The position of the currently displayed item is indicated by the icon bar in eight steps.

▢→▢→▢→▢→▢→▢→▢→▢

Cancelling the Music/Video Search mode
Press the [⌕] button.

Searching for Music by Initial
You can select an alphabetic character from the list in the browse item (artist, album, etc.) selected now.

1 Enter alphabet search mode
Press the [⌕] button for at least 1 second.
"A B C …" is displayed.
• If you can not search for a song by an alphabetic character in the browse item selected now, the data on the screen does not change.

2 Select the initial to be searched for

Operation type	Operation
Move to the next character.	Turn the [AUD] knob, or press the [I◀◀]/ [▶▶I] button.
Move to the next row.	Press the [FM+] or [AM−] button.
Cancelling the alphabet search mode	Press the [⌕] button.

3 Determine the selected initial
Press the [AUD] knob.
Start search. When search is completed, the Music/Video Search mode is selected again at the selected character position.

Music disc/Audio file/iPod Operation of Control Panel

⟨≣⟩

- • *[1] Skip Search: The number of songs to be skipped is determined by the ratio of the total number of songs in the list which is selected now. Set the ratio with "SKIP" in <Function Control> (page 11). Keep pressing this button for 3 seconds or longer skips songs at 10% irrespective of the setting.
- • The time of search by alphabet may become long depending on the number of songs in iPod or the folder structure.
- • When selecting an initial in the alphabet search mode, entering "*" searches symbols and entering "1" searches digits.
- • If the first character string begins with an article "a", "an", or "the" in the alphabet search mode, it is searched for in defiance of the article.

Function of KDV-5244U/ KDV-5544U

iPod Control by Hand Mode

Allows you to operate iPod with the control on the iPod.

Display	Setting
"HANDS ON"	iPod control by hand mode is ON.
"MODE OFF"	iPod control by hand mode is OFF.

1 Enter iPod Control by Hand Mode
   Press [Q] 1 sec., and select "iPodCTRL".
   Press the [AUD] knob.
   • For how to select Function Control items, refer to <Function Control> (page 10).

2 Set the iPod Control by Hand Mode
   Turn the [AUD] knob.

3 Exit iPod Control by Hand Mode
   Press the [Q] button.

⟨≣⟩

- • In the iPod Control by hand mode, iPod cannot be operated using this unit.
- • This mode is not compatible with music information display. The display will show "iPodMODE".
- • The following iPods cannot be controlled using this unit. iPod nano (1st generation), and iPod with video. (KCA-iP101 (optional accessory) connected only.)
- • In the iPod Control by hand mode, video is output to the AV input of this unit. Nothing is displayed without video output from the iPod.
- • When you cancel the hand mode while playing a video file, the video file stops and a music file starts.

Basic Operation of Disc Changer (Optional)

Selecting CD changer source
Press the [SRC] button.
Select the "CD CH" display.

Playing or pausing
Press the [6] button.

Music search
Press the [|◄◄] or [►►|] button.
Changes the music when this button is pressed.
Fast reverses or forwards the music while pressing.

Disc Search
Press the [FM+] or [AM−] button.

Playing the Current Song or Disc Repeatedly (Repeat play)
Press the [4] button.
Pressing the button repeatedly selects Track Repeat play on ("TRAC REP"), Disc Repeat play on ("DISC REP"), and Repeat play off ("REP OFF") sequentially.

Playing the first part of each music on the disc (Scan play)
Press the [2] button.
Successively plays the intro of the music in the disc.
When Scan Play is turned on, "TRAK SCN" is displayed.

⟨💬⟩
• To use the functions written as the [SCN] button in the option manual, press the [2] button.

Playing all the music on the disc in random order (Random play)
Press the [3] button.
Randomly plays the music in the disc.
When Random Play is turned on, "DISC RDM" is displayed.

Playing the music in the disc changer randomly (Magazine random play)
Press the [5] button.
Pressing the button toggles the setting between Magazine random play on ("MGZN RDM") and off ("RDM OFF").

Searching the music by entering the track number (Direct Music Search)
1 **Set the remote controller mode switch to "AUD" mode**
2. **Press the number buttons on the remote control.**
3. **Press the [|◄◄] or [►►|] button.**
   ✎ Press the [►II] button to cancelling Direct Music Search.

⟨💬⟩
• Direct Music Search cannot be performed during playing of Random play, or scan play.

Searching the disc by entering the disc number (Direct Disc Search)
1 **Set the remote controller mode switch to "AUD" mode**
2. **Press the number buttons on the remote control.**
3. **Press the [FM+] or [AM−] button.**
   ✎ Press the [►II] button to cancelling Direct Disc Search.

⟨💬⟩
• Direct Disc Search cannot be performed during playing of Random play, or scan play.
• Input "0" to select disc 10.

⟨💬⟩
• Set the remote controller mode switch to "AUD" mode before starting operation, refer to <Remote Controller mode switch> (page 32).

Tuner Operation

Auto memory entry

Putting stations with good reception in the memory automatically.

1 Enter Menu mode
 Press [Q] 1 sec , and select "MENU".
 Press the [AUD] knob.
 • For how to select Function Control items, refer to
  <Function Control> (page 10).

2 Select the Auto memory mode
 **Turn the [AUD] knob, or press the [FM+]/ [AM–]
 button.**
 Select the "A-MEMORY" display.

3 Open Auto Memory Entry
 Press the [AUD] knob for at least 2 seconds.
 When 6 stations that can be received are put in the
 memory, auto memory entry closes.

⌢
 • When "AF" in <Function Control> (page 11) is ON, only
  RDS stations are put in the memory.
 • When Auto Memory Entry is done in the FM2 band, the
  RDS stations preset in the FM1 band are not put in the
  memory.
  Likewise, when Auto Memory Entry is done in the FM3
  band, RDS stations preset in FM1 or FM2 are not put in
  the memory.

PTY (Program Type)

Selecting the Program Type below and searching
for a station;

Program Type	Display	Program Type	Display
Speech	"SPEECH"	Serious Classical	"CLASSICS"
Music	"MUSIC"	Other Music	"OTHER M"
News	"NEWS"	Weather	"WEATHER"
Current Affairs	"AFFAIRS"	Finance	"FINANCE"
Information	"INFO"	Children's programs	"CHILDREN"
Sport	"SPORT"	Social Affairs	"SOCIAL"
Education	"EDUCATE"	Religion	"RELIGION"
Drama	"DRAMA"	Phone In	"PHONE IN"
Culture	"CULTURE"	Travel	"TRAVEL"
Science	"SCIENCE"	Leisure	"LEISURE"
Varied	"VARIED"	Jazz Music	"JAZZ"
Pop Music	"POP M"	Country Music	"COUNTRY"
Rock Music	"ROCK M"	National Music	"NATION M"
Easy Listening Music	"EASY M"	Oldies Music	"OLDIES"
		Folk Music	"FOLK M"
Light Classical	"LIGHT M"	Documentary	"DOCUMENT"

• Speech and Music include the Program type shown
 below.
 Music: Black character item.
 Speech: White character item.

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

2 Select the Program Type
 **Turn the [AUD] knob, or press the [FM+]/ [AM–]
 button.**

3 Search for the selected Program Type station
 Press the [◄◄] or [►►] button.

4 Exit PTY mode
 Press the [Q] button.

⌢
 • This function cannot be used during a traffic bulletin or
  AM reception.
 • When the selected Program Type is not found, "NO PTY"
  is displayed. Select another Program Type.

Program Type preset

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

Presetting the Program Type

1 Select the Program Type to preset
Refer to <PTY (Program Type)> (page 24).

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

Recalling the preset Program Type

1 Enter PTY mode
Refer to <PTY (Program Type)> (page 24).

2 Recall the Program Type
Press the desired [1] — [6] button.

Changing Language for PTY Function

Selecting the Program Type display language as follows;

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

1 Enter PTY mode
Refer to <PTY (Program Type)> (page 24).

2 Enter Changing Language mode
Press the [DISP] button.

3 Select the language
Turn the [AUD] knob, or press the [FM+]/ [AM−] button.

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

Other Functions

Activating Security Code

When Security Code is set, possibility of theft is reduced because input of Security Code is prompted to turn on the unit once it is turned off.

⌒⌒
• You can set the Security Code with a 4 digit number of your choice.
• The Security Code cannot be displayed or referenced. Make a note of the Security Code and treasure it up.

1 Select Standby
Press the [SRC] button.
Select the "STANDBY" display.

2 Enter Security Code mode
Press [Q] 1 sec, and select "MENU" ➤ "CODE SET".
Press the [AUD] knob for at least 1 second.
When "ENTER" is displayed, "CODE" is also displayed.
• For how to select Function Control items, refer to <Function Control> (page 10).

3 Enter Security Code

Operation type	Operation
Select the digits to enter	Press the [◄◄] or [►►l] button.
Select the Security Code numbers	Turn the [AUD] knob, or press the [FM+]/ [AM−] button.

4 Confirm the Security Code
Press the [AUD] knob for at least 3 seconds.
When "RE-ENTER" is displayed, "CODE" is also displayed.

5 Do the step 3 through 4 operation, and reenter the Security Code.
"APPROVED" is displayed.
The Security Code function activates.

⌒⌒
• If you enter the wrong Code in steps 3 through 4, repeat from step 3.
• When the Security Code function is activated, "CODE SET" changes to "CODE CLR".
• To deactivate the Security Code function, see the next section <Deactivating Security Code>.

6 Exit Security Code mode
Press the [Q] button.

Entering Security Code
The Security Code is required to use the audio unit when the unit is first used after removed from the battery power source or the Reset button is pressed.

1 Turn the power ON.

2 Do the step 4 through 5 operation, and enter the Security Code.
"APPROVED" is displayed.
Now, you can use the unit.

Deactivating Security Code

Deactivating the Security Code function.

1 Select Standby
Press the [SRC] button.
Select the "STANDBY" display.

2 Enter Security Code mode
Press [Q] 1 sec, and select "MENU" ➤ "CODE CLR".
Press the [AUD] knob for at least 1 second.
When "ENTER" is displayed, "CODE CLR" is also displayed.
• For how to select Function Control items, refer to <Function Control> (page 10).

3 Enter Security Code

Operation type	Operation
Select the digits to enter	Press the [◄◄] or [►►l] button.
Select the Security Code numbers	Turn the [AUD] knob, or press the [FM+]/ [AM−] button.

4 Press the [AUD] knob for at least 3 seconds.
"CLEAR" is displayed.
The Security Code function deactivates.

5 Exit Security Code mode
Press the [Q] button.

⌒⌒
• If a wrong security code is entered, "ERROR" is displayed. Enter a correct security code.

Audio Adjustments

Audio Control

You can adjust following Audio Control items ;

Adjustment Item	Display	Range
Rear volume	"R-VOL"	0 — 35
AV output volume	"AVVOL"	0 — 35
Subwoofer level	"SW L"	−15 — +15
Balance	"BAL"	Left 15 — Right 15
Fader	"FAD"	Rear 15 — Front 15
Exit Audio Control mode (Volume control mode)		

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

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

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

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

5 Exit Audio Control mode
Press any button.
Press a button other than the [AUD] knob or [▲] button.

Audio Setup

You can set Sound system, such as follows;

Adjustment Item	Display	Range
Volume offset	"V-OFF"	−8 — ±0 (AV IN: -8— +8)
Dual Zone System	"2ZON"	OFF/ DVD/ USB/ AV IN
AV output source	"AV/O"	OFF/ DVD/ USB/ AV IN

(⁀)

- Volume offset: Sets each source's volume as a difference from the basic volume.
- Dual Zone System
  Main source and sub source (DVD, USB, AV IN) output Front channel and Rear channel separately.
- Set the preout to "R" or "SW" in "MENU" > "SWPRE" (page 11) of <Function Control>.
  - Set up the channel of sub source by "ZONE2" of <Function Control> (page 11).
  - Select Main source by [SRC] button.
  - Adjust the volume of Front channel by [AUD] knob.
  - Adjust the volume of Rear channel by <Audio Control> (page 27) or [▲]/[▼] button on the remote control (page 32).
  - The Audio Control has no effect on sub source.
  - "USB" and "DVD" cannot be set at the same time for the main and sub sources.

- AV output source
  The sub source (DVD, USB, and AV IN) can be output to the AV output separately from the main source.
  - Set the preout to "AV" in "MENU" > "SWPRE" (page 11) of <Function Control>.
  - Adjust the volume of AV output source by <Audio Control> (page 27).
  - "USB" and "DVD" cannot be set at the same time for the main and AV output sources.
- Dual Zone System and the AV output source cannot be used at the same time. Turn off the setting currently used and then set the next function.

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

2 Enter Audio Setup mode
Press the [AUD] knob for at least 1 second.

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

4 Adjust the Audio setup item
Turn the [AUD] knob.

5 Exit Audio Setup mode
Press the [AUD] knob for at least 1 second.

Preset Equalizer Select

You can select following Equalizer curve;

Preset Equalizer	Display	Preset Equalizer	Display
User*	"USER"	Jazz	"JAZZ"
Rock	"ROCK"	Game	"GAME"
Pops	"POPS"	iPod (During iPod source only)	"iPod"
Easy	"EASY"		
Top 40	"TOP40"	Natural	"NATURAL"

* The Equalizer curve set in the section <Manual Equalizer Control> is recalled.

1 Enter Preset Equalizer mode
Press [Q] 1 sec, and select "DSP" > "CONTROL" > "EQ" > "PRESET".
Press the [AUD] knob.
- For how to select Function Control items, refer to <Function Control> (page 10).

2 Select the Equalizer curve
Turn the [AUD] knob and push the center when the desired item is displayed.
You can select from 22 Equalizer curve types for iPod when "iPod" is selected.

Audio Adjustments

Select the iPod Equalizer curve
1. Enter iPod Equalizer mode
Press the [AUD] knob.
2. Select the iPod Equalizer curve
Turn the [AUD] knob and push the center when the desired item is displayed.

3 Exit Preset Equalizer mode.
Press the [🔍] button.

⊜
• You can select for each source.

Manual Equalizer Control

You can adjust following Equalizer Control items;

Adjustment Item	Range
Band level "BAND#" ➤ "GAIN"	-9 – 0 – +9
Bass Effect* "BAND1" ➤ "EFFECT"	"OFF" / "ON"

• *Can be only set for "BAND1".

1 Enter Manual Equalizer Control mode
Press [🔍] 1 sec, and select "DSP" ➤ "CONTROL" ➤ "EQ" ➤ "MANUAL".
Press the [AUD] knob.
• For how to select Function Control items, refer to <Function Control> (page 10).

2 Select the band you want to set
Turn the [AUD] knob and push the center.
"BAND1" – "BAND5"

3 Select the item you want to set
Turn the [AUD] knob and push the center.

4 Set the value
Turn the [AUD] knob and push the center when the desired item is displayed.

5 Exit Manual Equalizer Control mode
Press the [🔍] button twice.

⊜
• When "iPod" is selected in the section <Preset Equalizer select> (page 27), Manual Equalizer Control is disabled.
• You can select for each source.

Position Control

According to the listening position, select the position from the following settings so that the normal position of the sound environment can be compensated in accordance with the selected position;

Preset position "PRESET"

Adjustment Item	Display	Adjustment Item	Display
Not compensating.	"ALL"	Front-Right seat	"F-RIGHT"
Front-Left seat	"F-LEFT"	Front seat	"F-ALL"

Manual position "MANUAL"

Adjustment Item	Display	Adjustment Item	Display
Front Left speaker	"F-LEFT"	Subwoofer Left	"SW-LEFT"
Front Right speaker	"F-RIGHT"	Subwoofer Right	"SW-RIGHT"
Rear Left speaker	"R-LEFT"	Initialize the setting	"INITIAL"
Rear Right speaker	"R-RIGHT"	values.	

1 Enter Preset position setting mode
Press [🔍] 1 sec, and select "DSP" ➤ "CONTROL" ➤ "POSITION" ➤ "PRESET".
Press the [AUD] knob.
• For how to select Function Control items, refer to <Function Control> (page 10).

2 Select the seat you want to compensate
Turn the [AUD] knob and push the center when the desired item is displayed.

3 Exit Preset position setting mode
Press the [🔍] button.

You can fine-adjust your listening position.

1 Enter Manual position adjust mode
Press [🔍] 1 sec, and select "DSP" ➤ "CONTROL" ➤ "POSITION" ➤ "MANUAL".
Press the [AUD] knob.

2 Select the speaker you want to set
Turn the [AUD] knob and push the center.
✍ Selecting "INITIAL" initializes the Manual position adjustment.

3 Set the value
Turn the [AUD] knob and push the center when the desired value is displayed.
Adjust between 0 and 170 cm.

4 Exit Manual position adjust mode
Press the [🔍] button twice.

- About the position setting
  First, set the using environment with <DTA (Digital Time Alignment) Setting> (page 30).
- When using the Subwoofer Left and Subwoofer Right as a single sub woofer, set the left side and right side to the same value.

Cabin Selection

You can compensate the delay of the sound arrival time by selecting your environment from the following car types;

Car type	Display	Car type	Display
Not compensating.	"OFF"	Minivan	"MINIVAN"
Compact car	"COMPACT"	Sport-utility vehicle	"SUV"
Sedan	"SEDAN"	Passenger van	"PAS-VAN"
Station wagon	"WAGON"		

1 Enter Cabin select mode
Press [🔍] 1 sec, and select "DSP" ➤ "SETUP" ➤ "CABIN".
Press the [AUD] knob.
- For how to select Function Control items, refer to <Function Control> (page 10).

2 Select the car type
Turn the [AUD] knob and push the center when the desired item is displayed.

3 Exit Cabin select mode
Press the [🔍] button.

- You can compensate the distances in more details by using <DTA setting> (page 30) function.

Speaker Setting

Setting the speaker to be connected, speaker size, and installation position;

Setting item	Range
Front Speaker Location "FRONT" ➤ "LOCATION"	"DOOR"/ "ON DASH"/ "UND DASH" (Under dash)
Front Speaker Size "FRONT" ➤ "SIZE"	O.E.M./ 10 cm/ 13 cm/ 16 cm/ 17 cm/ 18 cm/ 4×6/ 5×7/ 6×8/ 6×9/ 7×10
Front Tweeter "FRONT" ➤ "TWEETER"	"NONE"/ "USE"
Rear Speaker Location "REAR" ➤ "LOCATION"	• "DOOR"/ "R-DECK" • "2ND ROW"/ "3RD ROW" (Minivan/ Passenger van)
Front Speaker Size "REAR" ➤ "SIZE"	None/ O.E.M./ 10 cm/ 13 cm/ 16 cm/ 17 cm/ 18 cm/ 4×6/ 5×7/ 6×8/ 6×9/ 7×10
Subwoofer Size "SUB-W" ➤ "SIZE"	None/ 16 cm/ 20 cm/ 25 cm/ 30 cm/ 38 cm over

1 Enter Speaker Setting mode
Press [🔍] 1 sec, and select "DSP" ➤ "SETUP" ➤ "SPEAKER".
Press the [AUD] knob.
- For how to select Function Control items, refer to <Function Control> (page 10).

2 Select the speaker you want to set
Turn the [AUD] knob and push the center.
"FRONT"/ "REAR"/ "SUB-W"

3 Select the item you want to set
Turn the [AUD] knob and push the center.

4 Set the value
Turn the [AUD] knob and push the center when the desired item is displayed.

5 Exit Speaker Setting mode
Press the [🔍] button twice.

Audio Adjustments

X'Over Setting

You can set a X'Over value for the speakers;

Setting item	Range
Front High Pass Filter "FRONT" ➤ "FC" Rear High Pass Filter "REAR" ➤ "FC"	"THRU" (Through)/ 30/ 40 / 50/ 60/ 70/ 80/ 90/ 100/ 120/ 150/ 180/ 220/ 250 Hz
Front High Pass Slope "FRONT" ➤ "SLOPE" Rear High Pass Slope "REAR" ➤ "SLOPE"	-6/ -12/ -18/ -24 dB/Oct.
Subwoofer Low Pass Filter "SUB-W" ➤ "FC"	30/ 40/ 50/ 60/ 70/ 80/ 90/ 100/ 120/ 150/ 180/ 220/ 250 Hz/ "THRU" (Through)
Subwoofer Low Pass Slope "SUB-W" ➤ "SLOPE"	-6/ -12/ -18/ -24 dB/Oct.
Subwoofer Phase "SUB-W" ➤ "PHASE"	REVERSE (180°)/ NORMAL (0°)

1 Enter X'Over setting mode
   Press [Q] 1 sec, and select "DSP" ➤ "SETUP" ➤ "X'OVER".
   Press the [AUD] knob.
   • For how to select Function Control items, refer to <Function Control> (page 10).

2 Select the speaker you want to set
   Turn the [AUD] knob and push the center.
   "FRONT"/ "REAR"/ "SUB-W"

3 Select the item you want to set
   Turn the [AUD] knob and push the center.

4 Set the X'Over value
   Turn the [AUD] knob and push the center when the desired value is displayed.

5 Exit X'Over setting mode
   Press the [Q] button twice.

DTA (Digital Time Alignment) Setting

Adjusting fine tuning of the speaker position compensation value specified at <Cabin selection> (page 29).

1 Enter DTA setting mode
   Press [Q] 1 sec, and select "DSP" ➤ "SETUP" ➤ "DTA".
   Press the [AUD] knob.
   • For how to select Function Control items, refer to <Function Control> (page 10).

2 Select the speaker you want to set
   Turn the [AUD] knob and push the center.
   "FRONT" (Front speaker)/ "REAR" (Rear speaker)/ "SUB-W" (Subwoofer)

3 Set the compensation value of the speaker position
   Turn the [AUD] knob and push the center when the desired value is displayed.
   Adjust between 0 and 440 cm.
   ✍ Refer to <Appendix> (page 33) on how to set the compensation value.

4 Exit DTA setting mode
   Press the [Q] button.

Audio Preset Memory

Registering the value setup by Sound Control.

1 Setup Sound Control
Refer to the following operations to setup the Sound Control.
- Cabin selection (page 29)
- Speaker Setting (page 29)
- DTA (Digital Time Alignment) setting (page 30)
- X'Over setting (page 30)
- Preset Equalizer Select (page 27)
- Manual Equalizer Control (page 28)
- Position Control (page 28)

2 Enter Audio Preset Memory mode (Other than Standby mode)
Press [Q] 1 sec, and select "DSP" ➤ "PRESET" ➤ "MEMORY".
Press the [AUD] knob for at least 1 second.
• For how to select Function Control items, refer to <Function Control> (page 10).

3 Select the number to put in the memory
Turn the [AUD] knob to select number, and then press the [AUD] knob.
"USER1" – "USER6"

4 Put the Audio Preset in the memory
Turn the [AUD] knob to select "YES", and then press the [AUD] knob.
"COMPLETE" is displayed.

5 Exit Function Control mode
Press the [Q] button for at least 1 second.

⟨≣⟩

• Register 6 pairs of Audio Preset Memory.
• "USER1": When you press the Reset, all the sources will be the setting value which is registered.
• "USER1", "USER2":
The memory cannot be erased by the Reset button.
• This function cannot be registered when the iPod Equalizer set in <Equalizer Control> (page 27).

Audio Preset Recall

Recalling the sound setup registered by <Audio Preset Memory> (page 31).

1 Select the source
Press the [SRC] button.

2 Enter Audio Preset Recall mode
Press [Q] 1 sec, and select "DSP" ➤ "PRESET" ➤ "RECALL".
Press the [AUD] knob for at least 1 second.
• For how to select Function Control items, refer to <Function Control> (page 10).

3 Select the number to recall in the memory
Turn the [AUD] knob to select number, and then press the [AUD] knob.
"USER1" – "USER6"

4 Recall the Audio Preset
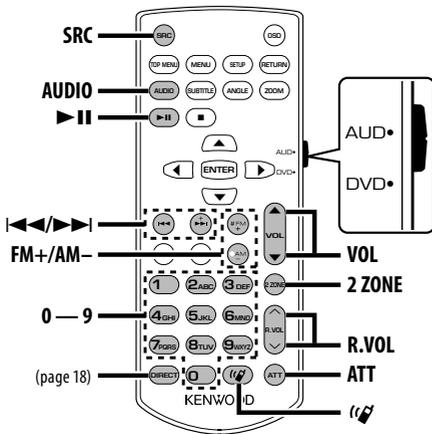**Turn the [AUD] knob to select "YES", and then press the [AUD] knob.**
"COMPLETE" is displayed.

5 Exit Function Control mode
Press the [Q] button for at least 1 second.

⟨≣⟩

• The User memory of <Preset Equalizer Select> (page 27) is changed to the value which was recalled.
• The source tone memory item of <Preset Equalizer Select> (page 27) is changed to the value which was recalled by the selected source.

Basic Operations of Remote Control

Remote Controller Mode Switch

The functions operated from the remote controller differ depending on the position of the mode switch.

AUD mode: [AUD]
Switch to this mode when controlling a selected source or tuner source, etc.

DVD mode: [DVD]
Switch to this mode when playing DVDs or USB etc. with the player integrated in this unit.

⁂

• Switch the mode switch to AUD or DVD position. With the mode switch in the middle, the remote controller cannot operate.

General Control

Volume control: [VOL]

Source select: [SRC]

Volume reduce: [ATT]
When the button is pressed again, the volume returns to the previous level.

In Audio Control (AUD mode)

Audio item select: [AUDIO]

Adjust the Audio item: [VOL]

⁂

• Refer to <Audio Control> (page 27) for the operation method, such as the procedures for Audio control and others operations.

Dual Zone Control

Select sub source of Dual zone system: [2 ZONE]

Rear channel volume control: [R.VOL]

In Tuner Source (AUD mode)

Band select: [FM+]/[AM−]

Station select: [|◄◄]/[►►|]

Recall preset stations: [1] — [6]

In DVD/USB/iPod Source (DVD mode)

Refer to <Disc/ USB Operations of remote control> (page 16).
Refer to <iPod Operations of remote control> (page 20).

⁂

About [((/]
This button is used when Bluetooth HANDS FREE BOX is connected. For more information, refer to the instruction manual of Bluetooth HANDS FREE BOX.

Loading and Replacing battery
Use two "AAA"/"R03"-size batteries.
Insert the batteries with the + and − poles aligned properly, following the illustration inside the case.
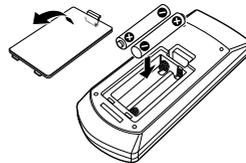
⚠CAUTION
• Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.
• Do not set the remote control in hot places such as on the dashboard.

Appendix

For operating KCA-BT200 (Optional)

For operation refer to Model-A-1 in the Instruction Manual of KCA-BT200, and the table below. The [AUTO]/[TI] button should be replaced with [SRC] button for <Answering the Waiting Call after Terminating>.

Set the remote controller mode switch to "AUD" mode before starting operation.

Notation used in the KCA-BT200 Instruction Manual	Operation
[►II] button	[AUD] knob*¹
Control knob	[AUD] knob
[AUTO]/[TI] button	[DISP] button
Control knob towards up or down	[FM+] or [AM−] button
Control knob towards left or right	[I◄◄] or [►►I] button

*¹ Use the [►II] button for the operation of <Switching to the Private Mode>.

For operating KCA-BT100 (Optional)

To control KCA-BT100, operate as follows;

To make setting for <Selecting the Dialing Mode>, select <Function Control> (page 10). Pressing the [AUD] knob for at least 1 second after selecting the "D.MODE" item allows you to enter the dialing method selection mode. To exit from dialing method selection mode, press Search button.

To make <Disconnecting a Call>, <Clearing the Disconnection Message>, and <Rejecting an Incoming call>, press [DISP] button for at least 1 second.

Set the remote controller mode switch to "AUD" mode before starting operation.

Moreover, some displays are different from the description of KCA-BT100 Instruction Manual.

Displays of KCA-BT100 Instruction Manual	Actual displays on this unit
"DISCONCT"	"HF D-CON"
"CONNECT"	"HF CON"
"PHN-DEL"	"DVC-DEL"
"P-STATUS"	"D-STATUS"
"BT-CON Y"	"HF-CON Y"
"BT-CON N"	"HF-CON N"

Function Glossary

- **"AF" (Alternative Frequency)**
  When the reception is poor, automatically alternate to another frequency broadcasting the same program in the same RDS network with better reception.

- **"AUTO1", "AUTO2", "MANUAL" (Tuning mode select)**
  Select a tuning mode of the radio.

Tuning mode	Display	Operation
Auto seek	"AUTO1"	Automatic search for a station.
Preset station seek	"AUTO2"	Search in order of the stations in the Preset memory.
Manual	"MANUAL"	Normal manual tuning control.

- **"AVIN" (Audio/ visual input)**
  When this is set to ON, AV input source can be selected.
  ON1: Allows AV input source to be selected. Use this setting when the built-in AV IN terminal is connected to the external equipment all the time.
  ON2: Activates the attenuator function when turning on the power with AV input source selected. Cancel the attenuator function by turning the volume knob clockwise when listening to the audio of the external equipment.
  OFF: Disable AV input source selection. Use this setting when the built-in AV IN terminal is not used.

- **DTA (Digital Time Alignment)**
  Make fine adjustment of the delay time of the speaker output specified at <Cabin selection> (page 29) to have a more suitable environment for your vehicle.
 The settings of the delay time are automatically identified and compensated by specifying the distances of each speaker from the center of the vehicle interior.
  1 Set the front and rear positions and the height of the reference point to the position of the ears of the person sitting in the front seat, and set the right and left positions to the center of the vehicle interior.
  2 Measure the distances from the reference point to the speakers.
  3 Calculate the distance difference in accordance with the farthest speaker.

Appendix
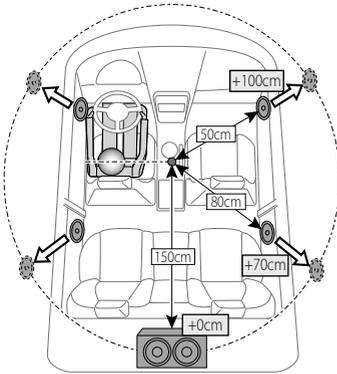
• **"HIGHWAY" (Highway sound)**
Increases the volume of faintest sound being lost by road noises to make the sound more audible. Additionally, it accentuates bass sound being lost by road noises to make the bass sound more dynamic.

• **"ICON"**
Sets the Graphics mode of the display during normal playback condition.
ON1: Turns on.
ON2: Displays an animation.
OFF: Turns off.

• **"NEWS" (News Bulletin with Timeout Setting)**
Automatically receives news bulletin when it starts. Set the time during which interrupt is to be disabled after start of another news bulletin.
Changing "NEWS 00M" to "NEWS 90M" turns this function ON.
If news bulletin starts when this function is ON, "TRAFFIC" is displayed and news is received. If "20M" is has been set, reception of another news bulletin will not start for 20 minutes.
The news bulletin volume is the same level that was set for Traffic Information.

• **"OFF" (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.
– – –: Power OFF Timer function is OFF.
20M: Turns the power OFF after 20 minutes. (Factory setting)
40M: Turns the power OFF after 40 minutes.
60M: Turns the power OFF after 60 minutes.

• **"RUS" (Russian language setting)**
When this is set to ON, the following character strings are displayed in Russian:
Folder name/ File name/ Song title/ Artist name/ Album name/ KCA-BT200/BT100 (optional accessory)

• **"SWPRE" (Switching Preout)**
Switches the preout between rear output ("R"), subwoofer output ("SW"), and DVD/USB/AV input source output ("AV").

• **"ZONE2" (Dual Zone)**
Set the destination (front speaker "F" or rear speaker "R") of the sub source (DVD/USB/AV input) when the Dual Zone function is turned on.

Language code list

Code	Language
ENGLISH	English
SPANISH	Spanish
FRENCH	French
GERMAN	German
ITALIAN	Italian
DUTCH	Dutch
SWEDISH	Swedish
DANISH	Danish
RUSSIAN	Russian
CHINESE	Chinese
PORTUGUESE	Portuguese
JAPANESE	Japanese
AA	Afar
AB	Abkhazian
AF	Afrikaans
AM	Amharic
AR	Arabic
AS	Assamese
AY	Aymara
AZ	Azerbaijani
BA	Bashkir
BE	Byelorussian
BG	Bulgarian
BH	Bihari
BI	Bislama
BN	Bengali, Bangla
BO	Tibetan
BR	Breton
CA	Catalan
CO	Corsican
CS	Czech
CY	Welsh
DZ	Bhutani
EL	Greek
EO	Esperanto
ET	Estonian
EU	Basque
FA	Persian
FI	Finnish
FJ	Fiji
FO	Faroese
FY	Frisian
GA	Irish
GD	Scots Gaelic
GLI	Galician
GN	Guarani
GU	Gujarati
HA	Hausa

Code	Language
HE	Hebrew
HI	Hindi
HR	Croatian
HU	Hungarian
HY	Armenian
IA	Interlingua
IE	Interlingue
IK	Inupiak
ID	Indonesian
IS	Icelandic
JV	Javanese
KA	Georgian
KK	Kazakh
KL	Greenlandic
KM	Cambodian
KN	Kannada
KO	Korean
KS	Kashmiri
KU	Kurdish
KY	Kirghiz
LA	Latin
LB	Luxembourgish
LN	Lingala
LO	Laotian
LT	Lithuanian
LV	Latvian, Lettish
MG	Malagasy
MI	Maori
MK	Macedonian
ML	Malayalam
MN	Mongolian
MO	Moldavian
MR	Marathi
MS	Malay
MT	Maltese
MY	Burmese
NA	Nauru
NE	Nepali
NO	Norwegian
OC	Occitan
OM	(Afan) Oromo
OR	Oriya
PA	Punjabi
PL	Polish
PS	Pashto, Pushto
QU	Quechua
RM	Rhaeto-Romance
RN	Kirundi

Code	Language
RO	Romanian
RW	Kinyarwanda
SA	Sanskrit
SD	Sindhi
SG	Sangho
SH	Serbo-Croatian
SI	Singhalese
SK	Slovak
SL	Slovenian
SM	Samoan
SN	Shona
SO	Somali
SQ	Albanian
SR	Serbian
SS	Siswati
ST	Sesotho
SU	Sundanese
SW	Swahili
TA	Tamil
TE	Telugu
TG	Tajik
TH	Thai
TI	Tigrinya
TK	Turkmen
TL	Tagalog
TN	Setswana
TO	Tongan
TR	Turkish
TS	Tsonga
TT	Tatar
TW	Twi
UK	Ukrainian
UR	Urdu
UZ	Uzbek
VI	Vietnamese
VO	Volapuk
WO	Wolof
XH	Xhosa
YO	Yoruba
ZU	Zulu

Accessories/ Installation Procedure

Accessories

① 1

③ 1

② 2
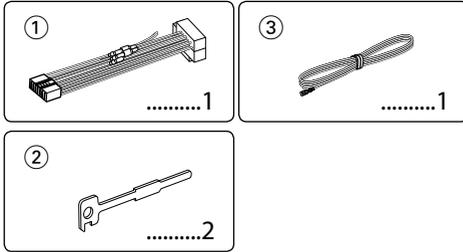
Installation Procedure

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

⚠

- Mounting and wiring this product requires skills and experience. For safety's sake, leave the mounting and wiring work to professionals.
- Install this unit in the console of your vehicle. Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- If the power is not turned ON ("PROTECT" is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- 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.
- Use a commercially available conversion connector if the connector does not fit in the vehicle connector.
- 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.
- 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.
- 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.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.

About CD players/disc changers connected to this unit

If the CD player/ disc changer has the "O-N" switch, set it to the "N" position.
The functions you can use and the information that can be displayed may differ depending on the models being connected.
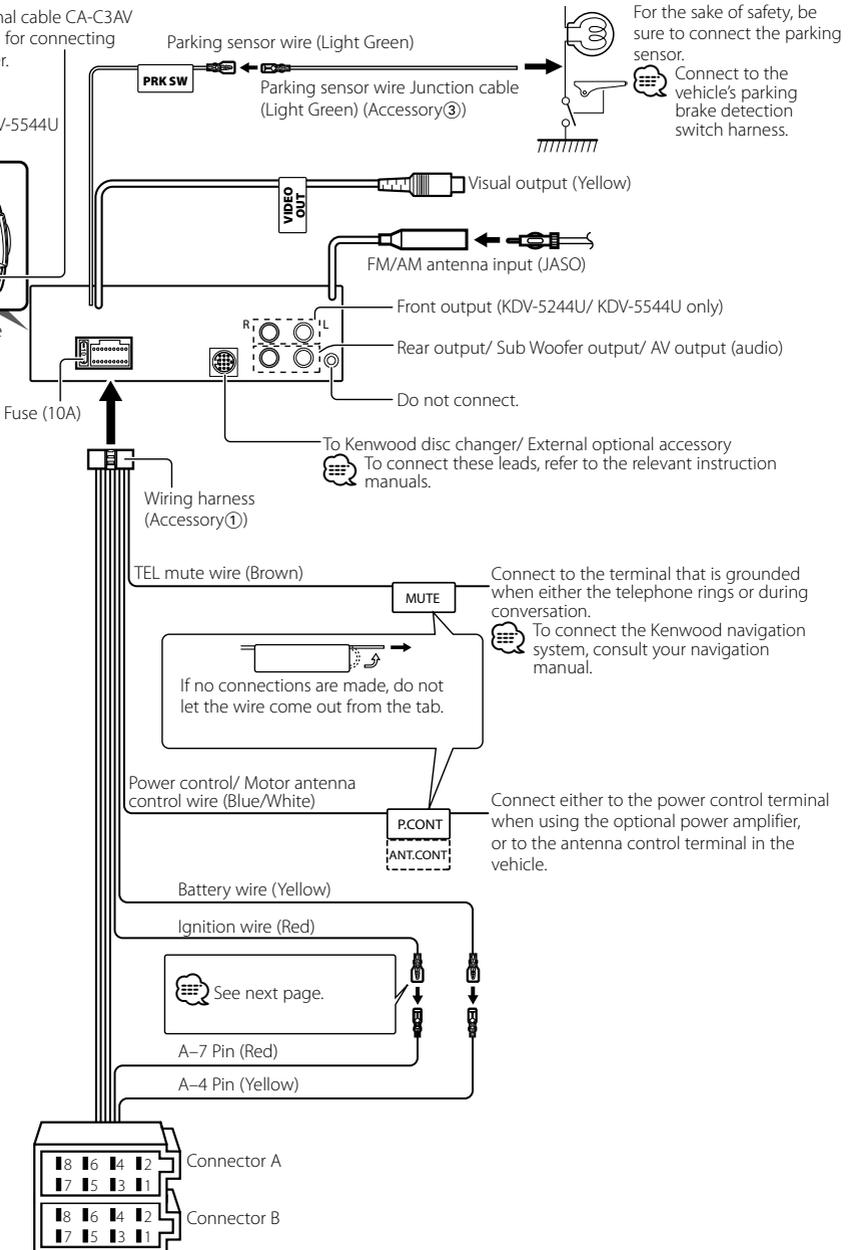
Connecting Wires to Terminals

AV input
Use of the optional cable CA-C3AV is recommended for connecting an external player.

Parking sensor wire (Light Green)

PRK SW

Parking sensor wire Junction cable (Light Green) (Accessory③)

For the sake of safety, be sure to connect the parking sensor.

Connect to the vehicle's parking brake detection switch harness.

USB connector (KDV-5244U/ KDV-5544U only)

VIDEO OUT

Visual output (Yellow)

FM/AM antenna input (JASO)

Front side

R   L

Front output (KDV-5244U/ KDV-5544U only)

Rear output/ Sub Woofer output/ AV output (audio)

Do not connect.

Fuse (10A)

To Kenwood disc changer/ External optional accessory
To connect these leads, refer to the relevant instruction manuals.

Wiring harness (Accessory①)

TEL mute wire (Brown)

MUTE

Connect to the terminal that is grounded when either the telephone rings or during conversation.
To connect the Kenwood navigation system, consult your navigation manual.

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

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

P.CONT

ANT.CONT

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

Battery wire (Yellow)

Ignition wire (Red)

See next page.

A–7 Pin (Red)

A–4 Pin (Yellow)

8 6 4 2
7 5 3 1

Connector A

8 6 4 2
7 5 3 1

Connector B

Connecting Wires to Terminals

Connector Function Guide

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

⚠WARNING

Connecting the ISO Connector

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

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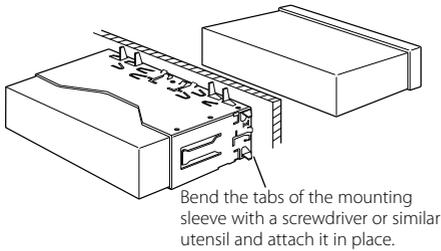
Ignition cable (Red)   A-7 Pin (Red)

Unit   Vehicle

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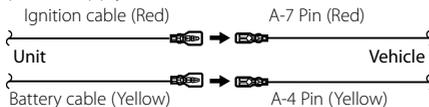
2 The A-7 pin (red) of the vehicle's ISO connector is connected to the constant power supply, and the A-4 pin (yellow) is linked to the ignition.

Ignition cable (Red)   A-7 Pin (Red)

Unit   Vehicle

Battery cable (Yellow)   A-4 Pin (Yellow)
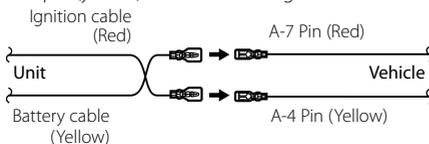
Installation/Removing the Unit

Installation

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).

Removing the hard rubber frame

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

Lock
Catch

Accessory②
Removal tool
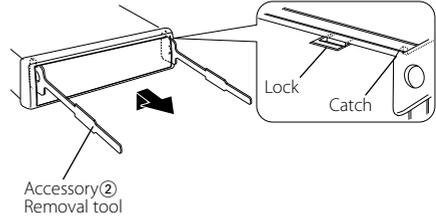
2 When the upper level is removed, remove the lower two locations.

⟨≡⟩

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

Removing the Unit

1 Refer to the section <Removing the hard rubber frame> and then remove the hard rubber frame.

2 Insert the two removal tools deeply into the slots on each side, as shown.

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

Accessory②

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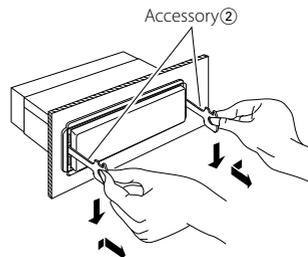
• Be careful to avoid injury from the catch pins on the removal tool.

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

English | **39**

Troubleshooting Guide

Some functions of this unit may be disabled by some settings made on this unit.

⚠ • Cannot set up the subwoofer.
 • Cannot set up the low pass filter.
 • Cannot set up subwoofer phase.
 • No output from the subwoofer.
 ▶ • <Subwoofer output> of <Basic Operation> (page 8) is not set to On.
  • Preout is not set to subwoofer. ☞ "MENU" > "SWPRE" of <Function Control> (page 11)
  • The Dual zone function is enabled. ☞ <Audio Setup> (page 27)

⚠ • Cannot set up the equalizer.
 • Cannot set up the crossover network.
 • Cannot set up Digital Time Alignment.
 • Cannot select the "CONTROL" in "DSP".
 • Cannot select the "SETUP" in "DSP".
 ▶ • The Dual zone function is enabled. ☞ <Audio Setup> (page 27)
  • The DSP function is disabled. ☞ "DSP" > "DSP SET" of <Function Control> (page 12)
  • In the speaker select option, None is selected for the rear speakers. ☞ <Speaker Setting> (page 29)

⚠ Cannot set up the Dual zone.
 ▶ The AV output function is enabled. ☞ <Audio Setup> (page 27)

⚠ • Cannot set up the AV output.
 • Cannot select the "SWPRE" in "MENU".
 ▶ The Dual zone function is enabled. ☞ <Audio Setup> (page 27)

⚠ • Cannot register a security code.
 • Cannot set up Display.
 • Power OFF Timer does not function.
 ▶ <Demonstration mode Setting> (page 7) is not turned off.

⚠ • Cannot switch to DVD or USB source.
 ▶ • The Dual zone function is set to DVD or USB. ☞ <Audio Setup> (page 27)
  • AV output source is set to USB or DVD. ☞ <Audio Setup> (page 27)

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.

Tuner source

❓ Radio reception is poor.
 ✔ The car antenna is not extended.
  ☞ Pull the antenna out all the way.

Disc source

❓ The specified disc does not play, but another one plays instead.
 ✔ The specified disc is quite dirty.
  ☞ Clean the disc, referring to the disc cleaning of the section on <Handling discs> (page 3).
 ✔ 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.

Audio file source

❓ The sound skips when an Audio file is being played.
 ✔ The media is scratched or dirty.
  ☞ Clean the media, referring to the disc cleaning of the section on <Handling discs> (page 3).
 ✔ The recording condition is bad.
  ☞ Record the media again or use another media.

The messages shown below display your systems condition.

TOC ERR:
- The disc is quite dirty. The disc is upside-down. The disc is scratched a lot.
- No disc has been loaded in the disc magazine.

E-05: The disc is unreadable.

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.

MEC ERR: The unit is malfunctioning for some reason.
⇨ Press the [⏏] button on the unit. If the error message does not disappear when you eject the disc and insert it again, consult your nearest service center.

IN (Blink): The DVD player section is not operating properly.
⇨ Reinsert the disc. If the disc cannot be ejected or the display continues to flash even when the disc has been properly reinserted, please switch off the power and consult your nearest service center.

PROTECT (Blink):
The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated.
⇨ Wire or insulate the speaker cable properly and press the reset button. If the "PROTECT" code does not disappear, consult your nearest service center.

NA FILE: An Audio file is played with a format that this unit can't support.

COPY PRO: A copy-protected file is played.

READ ERR: The file system of the connected USB device is broken.
⇨ Copy the files and folders for the USB device again. If the error message is still displayed, initialize the USB device or use other USB devices.

NO DVICE: The USB device is selected as a source although no USB device is connected.
⇨ Change the source to any source other than USB. Connect an USB device, and change the source to USB again.

NA DVICE:
- An unsupported USB device is connected.
- Connection to the iPod has failed.
⇨ Check that the connected iPod is an iPod that is supported. See <About Audio file> (page 4) for information on supported iPods.

NO MUSIC/E-15:
- The connected USB device contains no playable audio file.
- Media was played that does not have data recorded that the unit can play.

USB ERR: Some trouble may have occurred to the connected USB device.
⇨ Remove the USB device, turn off the unit, wait for about 10 seconds, and then turn on the unit again. If the same display is repeated, use another USB device.

iPod ERR: Connection to the iPod has failed.
⇨ Remove the USB device and then reconnect it.
⇨ Confirm that the software for the iPod is the latest version.

REG ERR: The disc you wanted to play has a region code that cannot be played with this unit.

PARK OFF: Source for displaying video is selected while car is traveling.
⇨ Video will be displayed when the car is stopped and the parking brake has been engaged.
⇨ Press the [DISP] button for at least 1 second. The display of this unit can be temporarily hidden.

READING: The unit is reading the data on the media.

Specifications

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

DVD player section

Signal Detection System
 : Non-contact optical pickup (semiconductor laser)
Wow & Flutter
 : Below Measurable Limit
Frequency response
 Sampling frequency; 96 kHz : 16 – 22,000 Hz
 Sampling frequency; 48 kHz : 16 – 22,000 Hz
 Sampling frequency; 44.1 kHz : 16 – 20,000 Hz
Signal to Noise ratio (1 kHz)
 : 95 dB
Dynamic range
 Sampling frequency; 96 kHz : 100 dB
 Sampling frequency; 48/ 44.1 kHz : 90 dB
DivX
 Max. Resolution : 720 x 480 pixels (30fps)/
                   720 x 576 pixels (25fps)
 Audio Bit Rate : 32kbps - 320kbps
 Audio Sampling Frequency : 32k/44.1k/48kHz
MPEG video
 Max. Resolution : 720 x 480 pixels (30fps)/
                   720 x 576 pixels (25fps)
 Audio Bit Rate : 32kbps - 320kbps
 Audio Sampling Frequency :
      MPEG-1:32k/44.1k/48kHz
      MPEG-2:16k/22.05/24kHz

MP3
 Bit Rate : 32kbps - 320kbps
 Sampling Frequency : MPEG-1:32k/44.1k/48kHz
                      MPEG-2:16k/22.05/24kHz
WMA
 Bit Rate : 32kbps - 320kbps
 Sampling Frequency : 22.05k/32k/44.1k/48kHz
WAV (Linear PCM)
 Quantization Bit Rate : 16 bit
 Sampling Frequency : 44.1kHz

USB Interface (KDV-5244U/KDV-5544U)

USB Standard
 : USB1.1/ 2.0
Data Transfer Rate
 : Maximum 12 Mbps
Compatible Device
 : Mass storage class
Maximum Supply current
 : 500 mA
File System
 : FAT16/ 32
Playable Video/Audio Format
 : MPEG1/ MPEG2/ DivX (Maximum 2 Mbps)/
   MP3/ WMA/ WAV (Linear PCM)

Audio section

Maximum output power
 : 50 W x 4
Output power (DIN 45324, +B=14.4V)
 : 30 W x 4
Speaker Impedance
 : 4 – 8 Ω
Tone action
 Frequency (BAND1 – 5): 60/ 250/ 1k/ 4k/ 16k Hz
 Gain : ±9 dB
Video terminal
 Output/ Input level : 1 Vp-p (75 Ω)
 Color System : PAL
Audio terminal
 Output level / Load (DVD) : 2500 mV/10 kΩ
 Output impedance : ≤ 600 Ω
 Input Maximum Voltage : 1200 mV
 Input Impedance : 10 kΩ

General

Operating voltage (10.5 – 16V allowable)
 : 14.4 V
Maximum Current consumption
 : 10 A
Installation Size (W x H x D)
 : 182 x 53 x 159 mm
Weight
 : 1.4 kg

Specifications subject to change without notice.

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

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

Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.
Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste byproducts.

Pb

Contact your local authority for details in locating a recycle facility nearest to you. Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.
Notice: The sign "Pb" below the symbol for batteries indicates that this battery contains lead.

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

```
CLASS 1
LASER PRODUCT
```

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

$C \in$

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

Manufacturer:
Kenwood Corporation
2967-3 Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525 Japan

EU Representative's:
Kenwood Electronics Europe BV
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

For Turkey
Bu ürün 26891sayılı Resmi Gazete'de yayımlanan Elektrikli ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmeliğe uygun olarak üretilmiştir.

This product complies with Directive, Number 26891 regarding "REGULATION ON THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT".

KENWOOD