

KENWOOD

GPS NAVIGATION SYSTEM

DNX SERIES

DNX9960 DNX7160 DNX7020EX

MONITOR WITH DVD RECEIVER

DDX SERIES

DDX896 DDX8046BT

INSTRUCTION MANUAL

Kenwood Corporation



Take the time to read through this instruction manual.

Familiarity with installation and operation procedures will help you obtain the best performance from your new GPS Navigation System/DVD Receiver.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your Kenwood dealer for information or service on the product.
Model DNX9960/DNX7160/DNX7020EX/DDX896/DDX8046BT Serial number _____

US Residence Only

Register Online

Register your Kenwood product at www.Kenwoodusa.com

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Before Use

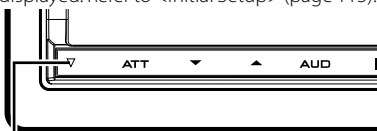
▲WARNING

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.
- Do not watch or fix your eyes on the unit's display when you are driving for any extended period.

How to reset your unit

- If the unit or the connected unit fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.
- Remove the USB device before pressing the Reset button. Pressing the Reset button with the USB device installed can damage the data contained in the USB device. For how to remove the USB device, see <How to play media> (page 16).
- When the unit is turned on after pressing the Reset button, the Initial SETUP screen is displayed. Refer to <Initial Setup> (page 113).



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 erase characters.

Lens Fogging

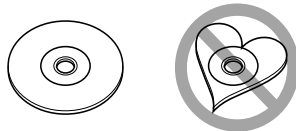
When you turn on the car heater in cold weather, dew or condensation may form on the lens in the disc player of the unit. Called lens fogging, this condensation on the lens may not allow discs to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your Kenwood dealer.


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.)
- If you try to load a 3-inch-disc with its adapter into the unit, the adapter might

separate from the disc and damage the unit.

Other notes

- If you experience problems during installation, consult your Kenwood dealer.
- When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
- Select a language used to display menus, audio file tags, etc. See <Language Setting> (page 80).
- The RDS or RBDS feature won't work where the service is not supported by any broadcasting station.

Protecting the monitor

To protect the monitor from damage, do not operate the monitor using a ball point pen or similar tool with the sharp tip.

Notes

List of playable discs

Disc types	Standard	Support	Remark
DVD	DVD Video	○	
	DVD Audio	×	
	DVD-VR	×	
	DVD-R	○	MP3/WMA/AAC/MPEG1/MPEG2/DivX Playback
	DVD-RW	○	Multi-border/Multisession/ (Playback depends on authoring conditions)
	DVD+R	○	Compatible with 8-cm (3 inch) discs
	DVD+RW	○	
	DVD-R DL (Dual layer)	○	
CD	DVD+R DL (Double layer)	○	Only video format
	DVD-RAM	×	
	Music CD	○	CD-TEXT/8-cm (3 inch) discs supported.
	CD-ROM	○	MP3/WMA/AAC/DivX playback
	CD-R	○	Multisession supported
	CD-RW	○	Packet write not supported.
	DTS-CD	○	
	Video CD (VCD)	○	
	Super video CD	×	
	Photo CD	×	
Others	CD-EXTRA	△	Only music CD session can be played.
	HDCD	△	Sound quality of normal CD music
	CCCD	×	
	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 Setup> (page 79). Registration Code changes each time a file with the displayed Registration Code is played to protect against copying.

Next page ►

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

- AAC-LC (.m4a)
- MP3 (.mp3)
- WMA (.wma)
- Linear PCM (WAVE) (.wav) *1



*1 Mass-storage-class USB device only

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-iP301V

• Playable disc file format

ISO 9660 Level 1/2, Joliet, Romeo, Long file name.

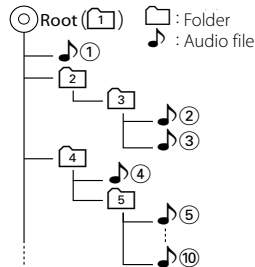
• Playable USB device file system

FAT16, FAT32

Although the audio files are complied with the standards listed above, the play may be 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 to .



An online manual about audio files is put on the site, www.kenwood.com/cs/ce/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 (.mpg, .mpeg, .m1v)
- MPEG2 (.mpg, .mpeg, .m2v)
- DivX (.divx, .div, .avi) *1
- H.264/MPEG-4 AVC (.mp4, .m4v) *2
- WMV 9 (.wmv, .m2ts) *2

• Acceptable media

CD-R/RW/ROM, DVD±R/RW, mass-storage-class USB device, iPod with KCA-iP301V

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>.



*1 DNX9960, DDX896, DDX8046BT only

*1 CD-R/RW/ROM, DVD±R/RW only

*2 Mass-storage-class USB device only

About Picture files

• Acceptable picture files

- JPEG (.jpg, .jpeg)
- PNG (.png)
- BMP (.bmp)

• Acceptable media

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 (2nd generation)
- iPod nano (3rd generation)
- iPod nano (4th generation)
- iPod nano (5th generation)
- iPod with video
- iPod classic
- iPod touch (1st generation)
- iPod touch (2nd generation)

Works with

- iPhone
- iPhone 3G
- iPhone 3GS



iPod
4GB 8GB 16GB



iPod iPhone 3G
8GB 16GB



iPod iPhone 3GS
16GB 32GB

- 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-iP301V). The word "iPod" appearing in this manual indicates the iPod/iPhone connected with the KCA-iP301V (optional accessory).
- By connecting your iPod/iPhone to this unit with an optional accessory iPod connection cable (KCA-iP301V), 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.

In this case, "RESUMING" is displayed without displaying a folder name, etc. Changing the browse item will display a correct title, etc.

- When the iPod is connected to this unit, "KENWOOD" or "✓" is displayed on the iPod to indicate that you cannot operate the iPod.

About USB device

- In this manual, the word "USB device" is used for a flash memory device and digital audio players can be recognized as mass-storage.
- 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 affect driving safely.
- 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 from any erased 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.

Navigation units that can be connected to this unit (DDX series only)

- KNA-G610 • KNA-G630
- Update the navigation software to the latest version. For how to update the software, refer to the instruction manual of the navigation unit.
For the latest information on connectable navigation units, access www.kenwood.com/cs/ce/.

About Satellite Radio tuner

This unit supports Satellite Radio tuners which are released by SIRIUS and XM. Optional accessories below are necessary for connection.
SIRIUS tuner : Conversion cable CA-SR20V
XM tuner : XM interface Box KCA-XM100V
Refer to the instruction manual of Satellite radio tuner.

HD Radio™ Tuners that can be connected to this unit

- KTC-HR300 • KTC-HR200
- When you connect an HD Radio, Tuner features of the unit are disabled and changed to HD Radio tuner features.

TV tuner that can be connected to this unit

- Analog TV tuner
- KTC-V300N

About the Cell-Phone

This unit conforms to the following Bluetooth specifications:

Version	Bluetooth Standard Ver. 2.1 + EDR
Profile	HFP (Hands Free Profile) OPP (Object Push Profile) PBAP (Phonebook Access Profile) SYNC (Synchronization Profile)

For the cell-phones verified for compatibility, access the following URL:

<http://www.kenwood.com/cs/ce/bt/>



- The units supporting the Bluetooth function have been certified for conformity with the Bluetooth Standard following the procedure prescribed by Bluetooth SIG. However, it may be impossible for such units to communicate with your cell-phone depending on its type.
- HFP is a profile used to make a hands-free call.
- OPP is a profile used to transfer data such as a phone book between units.

About the Bluetooth Audio player

This unit conforms to the following Bluetooth specifications:

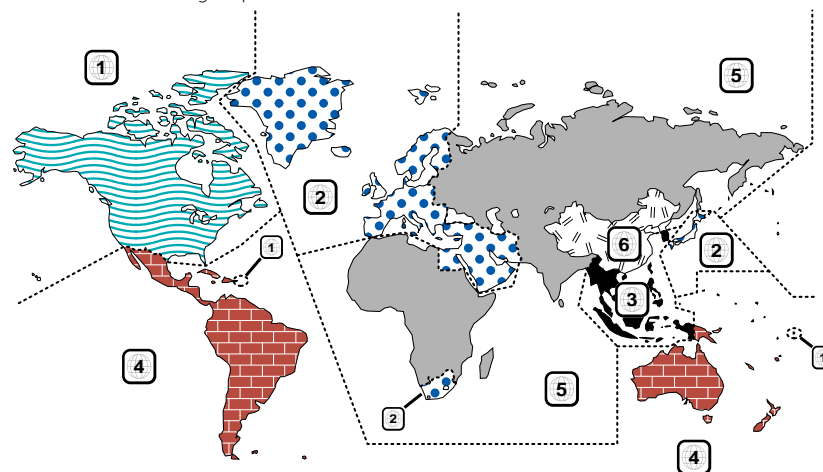
Version	Bluetooth Standard Ver. 2.1 + EDR
Profile	A2DP (Advanced Audio Distribution Profile) AVRCP (Audio/Video Remote Control Profile)



- A2DP is a profile designed to transfer the music from an audio player.
- AVRCP is a profile designed to control playback and selection of music by an audio player.

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
	Indicates a region number. The discs with this mark can be played with any DVD player.
	Indicates the number of audio languages recorded. Up to 8 languages can be recorded in a movie. You can select a favorite language.
	Indicates the number of subtitled languages recorded. Up to 32 languages can be recorded.
	If a DVD disc has scenes shot from multiple angles, you can select a favorite angle.
	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.



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.

How to read this manual


This manual uses illustrations to explain its operations.

The displays and panels shown in this manual are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual displays or panels used, or some display patterns may be different.

Selecting a screen item

Select and choose an item on the screen. Select the item by touching the button on the screen.

Short Press

Press the button, denoted by .

Change in the screen

With each operation, the screen changes in the order shown here.

▼ : Continues to the next line.
● : Ends here.

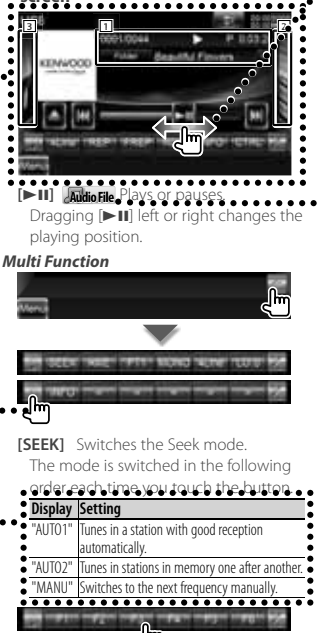
Continue to the next page

The instruction continues to the next page. Make sure to flip the page for the rest of the instruction.

Source Control Screen
Switches to the source control screen to use various playback functions.

1 Display the Source Control Screen
See <How to Display the Source Control Screen> (page 27).

2 Operation on the Source Control screen



[▶||] **Audio File**: Plays or pauses.
Dragging [▶||] left or right changes the playing position.

Multi Function

[SEEK] Switches the Seek mode. The mode is switched in the following order each time you touch the button.

Display	Setting
"AUTO1"	Tunes in a station with good reception automatically.
"AUTO2"	Tunes in stations in memory one after another.
"MANU"	Switches to the next frequency manually.


Continue to touch until the memory number appears.

2 sec.

Next page ▶













The above operation example with the mark differs from the actual operation.

Drag or Flick operation


Press the button, denoted by . It indicates that you scroll icons or list items left and right by flicking or dragging them and touch to select the desired one. The right mark indicates that they can be scrolled up and down.

Function Icon

Icons representing available functions are shown below.

-  DVD-VIDEO: Function of DVD-VIDEO playback.
-  Video CD: Function of Video CD playback.
-  CD: Function of CD (CD-DA) playback.
-  Audio File: Function of Audio File playback.
-  MPEG: Function of MPEG file playback.
-  DivX: Function of DivX file playback.
-  JPEG: Function of JPEG file playback.
-  Disc: Function of Disc (DVD, CD) media.
-  USB: Function of USB device.
-  FM: Function of FM reception.
-  SIRIUS: Function of SIRIUS source.
-  XM: Function of XM source.

Press 2 seconds or more

Press the button, denoted by  **2sec.**, for 2 seconds or more. Indicates to press and hold down the button until operation starts or the screen changes. The left example indicates to press the button for 2 seconds.

About the model groups

If different functions are used in different model groups, the model groups are described as shown below. Names of series included in each model group are as follows:


DNX series


DNX9960, DNX7160, DNX7020EX


DDX series


DDX896, DDX8046BT

Other marks

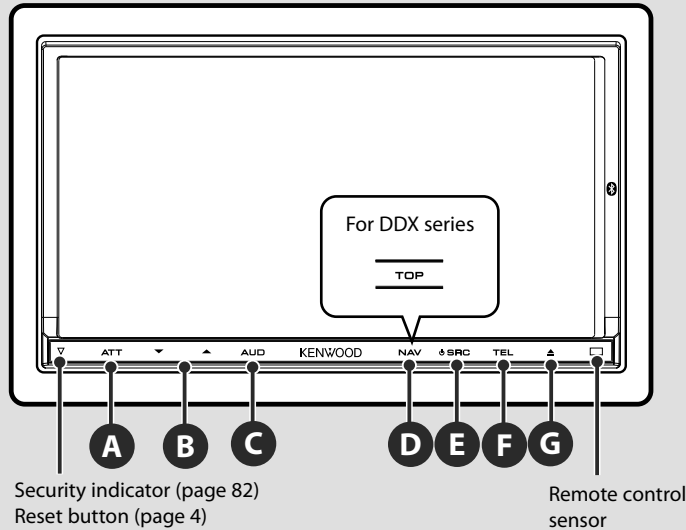
 Important precautions are described to prevent injuries etc.

 Special instructions, supplementary explanations, limitations, and reference pages are described.

 General precautions and reference pages are shown on the item.

 The initial value of each setup is shown.

Functions of the buttons on the front panel



Security indicator (page 82)
Reset button (page 4)

Remote control sensor

1 sec. : Press for longer than 1 second

A Attenuation of the volume On/Off.

1 sec. Store the tag data of the current music from HD Radio. (page 52)

B Volume adjustment.

C Displays Graphic Equalizer screen. *1 (page 73)

1 sec. Camera view display On/Off. *2

D **DNX series and DDX series with navigation unit**

Displays the navigation screen.

When the navigation screen has already been displayed, it switches to the navigation screen with Split Screen Control window.

1 sec. While watching the navigation screen

Picture in Picture function On/Off. *3 (page 20)

DDX series without navigation unit

Displays the Top Menu screen. (page 14)

Functions of the buttons on the front panel

E Turns the power On. *5

Displays the Source Control screen. (page 18)

In case of visual sources, the playback screen is first displayed and changed to the source control screen by pressing the button again.

1 sec. Turns the power Off.

F Displays the Hands Free Control screen.

1 sec. While watching the Source Control screen

Secondary window function On/Off. *4 (page 21)

1 sec. While watching the navigation screen

Displays the Screen Control screen. (page 58)

G Opens the panel and ejects the disc.

Closes the panel.

1 sec. Opens the panel fully.



*1 The display may not switch to Graphic Equalizer screen in some conditions.

*2 The function of the [AUD] button can be changed to the display off function. See <User Interface> (page 80).

*3 When the Secondary window function (page 21) is activated, this function is disabled.

*4 When the Picture in Picture function (page 20) is activated, this function is disabled.

*5 When the unit is powered off, pressing any one of **D**, **E** and **F** turns it on.

Basic Operation

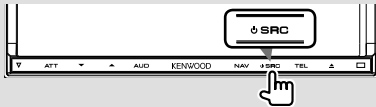
How to Display Top Menu Screen

Top Menu Screen is the entrance to all the functions. You can select sources and various setup menus from this screen.

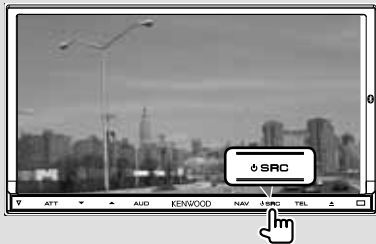
Top Menu screen



How to display the Top Menu screen DNX series and DDX series with navigation unit



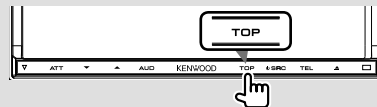
When a video screen is displayed



Touch the [MENU] button on any screen.

The **Top Menu Screen** appears.

DDX series without navigation unit



The **Top Menu Screen** appears.

Buttons on the Top Menu screen

For how to operate each source or setup, see the following pages.

- [DVD] DVD-VIDEO/Video CD disc (page 22)
- [CD] CD disc (page 26)
- [FILE] Audio file/Video file disc (page 26)
- [iPod] iPod (page 33)
- [USB] USB (page 26)
- [TUNER] TUNER (page 37)
- [SIRIUS] SIRIUS/ XM (page 45)
- [HD] HD Radio (page 49)
- [TV] TV (page 41)
- [BT] Bluetooth Audio (page 41)
- [VIDEO] Video
- [STANDBY] Standby

Basic Operation

[X] Closes the function bar.

Customization of Top Menu Screen

Up to 3 sources or setups frequently used on the Top Menu screen can be registered.

1 Display the icon you want to register



Scroll icons left or right by flicking or dragging to display the desired icon.

2 Register the icon



Drag the icon to the desired place.

- [NAV] *1 Displays Tools screen of navigation.
- [Where] *1 Displays Where To ? screen of navigation.
- [NAV] Switches to the navigation screen.
- [iPod] Switches to the Hands Free Main screen.
- [Settings] *1 Displays Navigation Settings screen.
- [Setup] Displays SETUP Menu screen. (page 78)
- [Setup] Displays Hands Free SETUP screen. (page 88)
- [Audio] Displays Audio Control Menu screen. (page 72)
- [EXT] Displays the EXT SW (External Switch) Control screen. (page 55)
- [Skin] Changes the screen skin each time it is pressed. (DNX9/ DDX series only)



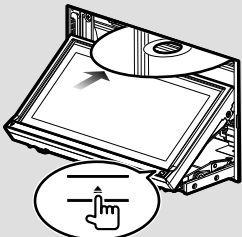
- *1 Instruction manual of the Navigation part. (DNX series and DDX series with navigation unit only)
- * For Disc media, iPod, and USB, the input is switched to the source as the media or the device is set.

The buttons listed below are common for many screens.

- [MENU] Displays Top Menu screen.
- [Function Bar] Opens the function bar. The buttons shown below appear.
 - [Source] Displays the currently selected source screen.
 - [Audio] Displays Audio Control Menu screen. (page 72)
 - [Setup] Displays SETUP Menu screen. (page 78)
 - [EXT] Displays the EXT SW (External Switch) Control screen. (page 55)

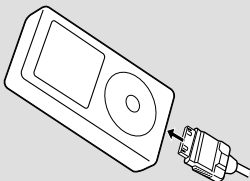
How to play media

■ Disc media



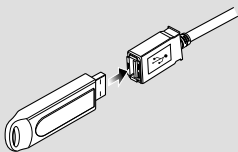
Press the [▲] button to open/close the front panel.
If a disc is already inserted, it is ejected by pressing the [▲] button.

■ iPod



To disconnect the iPod, stop the playback by touching the [▲] button on the source control screen, and then disconnect the iPod. See <Source Control Screen> (page 34).

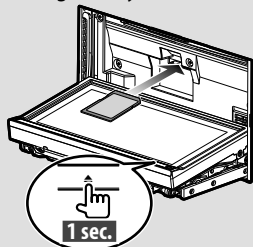
■ USB device



To disconnect the USB device, touch the [▲] button on the source control screen, and then disconnect the USB device. See <Source Control Screen> (page 26).

■ SD card (DNX series only)

This SD card slot is used to upgrade the Navigation System.
For how to upgrade the Navigation System, refer to the instruction manual of the navigation system.



Press the [▲] button for longer than 1 second to open the front panel.

Inserting the SD card

Hold the SD card with the label side up and the notched section on the right, and insert it into the slot until it clicks.

Removing the SD card

Push the SD card until it clicks and then remove your finger from the card. The card pops up so that you can pull it out with your fingers.

Press the [▲] button to close the front panel.



- The playback starts automatically after loading the media or connecting the device.

How to Display the Source Control Screen

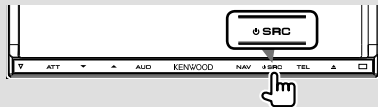
On the Source Control screen you can find all the control buttons for the selected source.

Source Control Screen

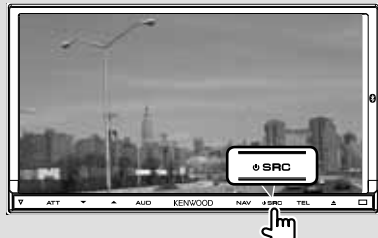


- For how to use each button, see the operation pages of each source.

How to display the Source Control screen

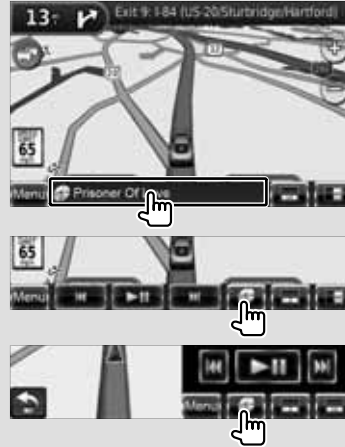


When a video screen is displayed



The Source Control Screen appears.

While watching the navigation screen with secondary window



The Source Control Screen appears.



- The screen will return to the navigation screen by touching the same part of the Source Control screen.

While watching the Easy Control Screen



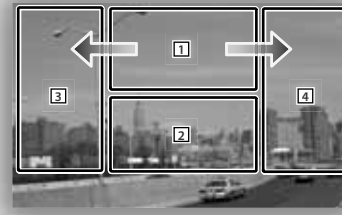
The Source Control Screen appears.

Operation on the Playback Screen of Visual Sources

While watching visual sources, basic operation is possible by touching the screen.

The screen has 4 function areas. The function of each area is different depending on the sources. (Some areas are unavailable for some sources.)

Playback screen of a visual source



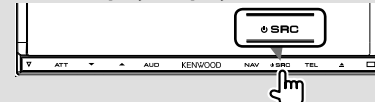
Basic operation of each area

- 1 Displays Menu control screen (DVD-VIDEO source), Picture control buttons (sources with picture files), or Zoom control buttons (Video CD). Switches TV band.
 - 2 Displays Easy Control Screen. *1
 - 3 Reverse search.
 - 4 Forward search.
- ➡ Fast Forwards when flicked from 1 to 4.
 - ⬅ Fast Backwards when flicked from 1 to 3.



- For the function of each touch control area, see the pages of each source.

How to display the playback screen



The Playback screen of a visual source appears.

While watching the Source Control Screen



The Playback screen of a visual source appears.

*1 Easy Control Screen

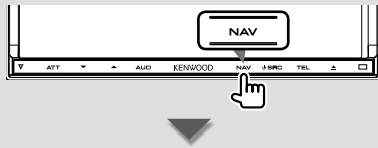


Buttons on the Easy Control Screen

- [▼] Changes the function as follows by touching the [▼] button.
- [SRCN] Displays Screen Control screen (page 58).
- [TEL] Switches to the Hands Free Main screen (page 60).
- [EXT SW] Switches to the EXT SW Control screen (page 55).
- [◀◀], [▶▶], [◀▶], [▶▶], [■], [▶▶▶] Buttons for source control. The buttons are different depending on the source. See the operation pages of each source.

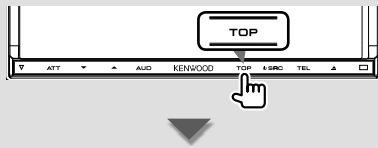
How to Display the Navigation Screen

DNX series



The navigation screen appears.

DDX series with navigation unit



The navigation screen appears.



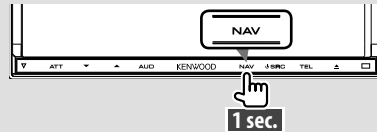
• For how to set up and use the navigation function, see the Navigation Instruction Manual.



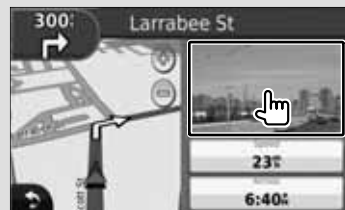
• For DDX series, an optional navigation system needs to be connected. See <Navigation units that can be connected to this unit> (page 8) for connectable navigation units.

Picture in Picture function

Two screens, the navigation screen and source screen, are displayed. When Picture in Picture function is on, touching the source screen switches between the camera image and source image.



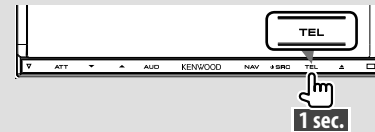
Pressing the button for longer than 1 second while the navigation screen is displayed switches the Picture in Picture function on/off.



The screen switches between visual source's playback screen and camera view screen each time the small window is touched.

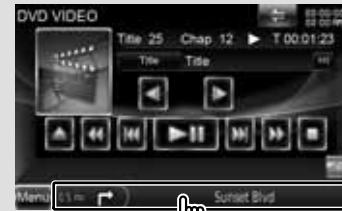
Secondary window function

You can control audio sources while the navigation screen is displayed, and view the navigation information while the source control screen is displayed.



Pressing the button for longer than 1 second while the source control screen is displayed switches the Secondary window function on/off.

Source Control screen with navigation window



Displays the navigation screen with Secondary window.

Navigation screen with Information window



Displays the Source Control screen with navigation window.

Navigation screen with Easy Control window



Navigation screen with Split Screen Control window



Buttons on the Secondary window

- [NAV] Displays the navigation screen with Information window.
- [NAV] Displays the navigation screen with Easy Control window.
- [NAV] Displays the navigation screen with Split Screen Control window.
- [SRC] Displays the currently selected source screen.
The button icon to be displayed varies depending on playing source. The above icon display is an example when the source is DVD.
- [MENU] Displays the Top Menu screen.

Watching DVD/Video CD

You can play DVD/Video CD using various functions.



- Set the remote controller mode switch to "DVD" mode before starting operation, see <Remote Controller mode switch> (page 105).

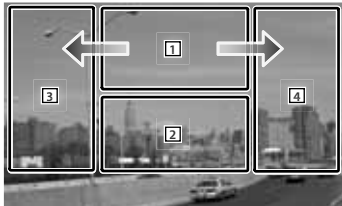
Playback Screen

Basic functions are available even when the playback screen is displayed.

1 Display the Playback Screen

See <Operation on the Playback Screen of Visual Sources> (page 19).

2 Operation on the Playback Screen



- 1 **DVD-VIDEO** Displays the Menu Control Screen or Highlight Control (When DVD Menu) (page 24).
 - Video CD** Displays the Zoom Control Screen (page 25).
Touching this area during fast forwarding or fast backwinding plays a source.
 - 2 Displays Easy Control Screen.
Touching this area during fast forwarding or fast backwinding plays a source.
 - 3, 4 **DVD-VIDEO** Searches for a chapter.
Video CD Selects a scene (when PBC is On) or a track (when PBC is Off).
- ➔ Fast Forwards.
➜ Fast Backwards.

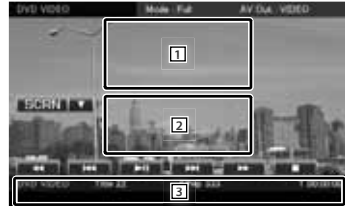
Easy Control Screen

Displays the basic operation buttons on the screen.

1 Display the Easy Control Screen



2 Operation on the Easy Control Screen



- 1, 2 Switches to the Playback Screen.
- 3 Displays the Source Control Screen.
- [<<<], [>>>] Fast Forwards or Fast Backwards. Changes the speed (2 times, 3 times, or off) each time the button is touched.
- [<<<], [>>>] **DVD-VIDEO** Searches for a chapter.
Video CD Selects a scene (when PBC is On) or a track (when PBC is Off).
- [■] Stops playing.
When touched twice, the disc is played from its beginning when you play it the next time.
- [▶||] Plays or pauses.

Source Control Screen

Switches to the source control screen to use various playback functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 18).

2 Operation on the Source Control Screen



- [▶||] Plays or pauses.
- [■] Stops playing.
When touched twice, the disc is played from its beginning when you play it the next time.
- [▲] Ejects a disc.
- [<<<], [>>>] Fast Forwards or Fast Backwards. Changes the speed (2 times, 3 times, or off) each time the button is touched.

[<<<], [>>>]

- DVD-VIDEO** Searches for a chapter.
- Video CD** Selects a scene (when PBC is On) or a track (when PBC is Off).

[<<], [||], [>>] **DVD-VIDEO** Slow Forwards or Backwards.

[■] Switches to the playback screen.

- 1 Information display
Volume Label.
"Title" Title Number Display
"Chap" Chapter Number Display
"Scene"/ "Track" Scene/Track Number Display
"▶" Play Mode Display
"T"/ "C"/ "R"/ "P" Play Time Display
Use the [TIME] to change play time display.

[<<<] When <<< appears, the text display is scrolled by touching it.

Multi Function



- [X] Closes the multi function bar.
- DVD-VIDEO**
- [TREP] Switches the Repeat Play operations in the following sequence.
Title Repeat, Repeat Off
- [CREP] Switches the Repeat Play operations in the following sequence.
Chapter Repeat, Repeat Off
- [TIME] Switches the play time display in the following sequence.
Chapter ("C"), Title ("T"), remaining titles ("R")

Video CD

[REP] Switches the Repeat Play operations in the following sequence. Track Repeat, Repeat Off (Available when the PBC is off)

[TIME] Switches the play time display in the following sequence. Track ("P"), remaining discs ("R") (Effective only when the PBC function is off)

[PBC] Turns the PBC On or Off. (only when VCD Ver 2.0 is in use)

DVD-VIDEO Disc Menu

Selects an option from the DVD-VIDEO Disc Menu.

1 Display the Playback Screen

See <Operation on the Playback Screen of Visual Sources> (page 19).

2 Display the Menu Control 1 screen



3 Operation on the Menu Control 1 screen



[Menu] Calls the Menu.

[Next] Displays the Menu Control 2 screen.

[<], [>], [▲], [▼] Selects a menu option.

[Enter] Enters your menu selection.

[Return] Returns to the previous menu screen.

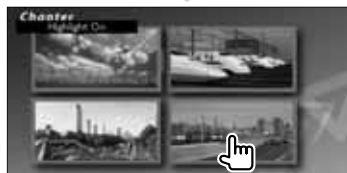
[Top] Displays the Top Menu.

[Highlight] Highlight Control.

[Exit] Exits the Menu Control 1 screen.

4 Operation on the Highlight Control

Highlight control lets you control DVD Menu by touching the menu button directly on the screen.



- To cancel Highlight Control, press the [TEL] button for longer than 1 second.
- The Highlight Control is cleared automatically after approximately 10 seconds.

5 Operation on the Menu Control 2 screen



[Previous] Displays the Menu Control 1 screen.

[Angle] Switches the picture angle.

[SUB] Switches the subtitle language.

[Audio] Switches the voice language.

[Zoom] Displays the Zoom Control screen.

[Exit] Exits the Menu Control 2 screen.

6 Operation on the Zoom Control screen



[Zoom] Changes the zoom ratio at 4 levels (2 times, 3 times, 4 times, or off) each time you touch.

[<], [>], [▲], [▼] Scrolls the screen in the direction you touch.

[Return] Returns to the Menu Control 2 screen.

[Exit] Exits the Zoom Control screen.

Video CD Zoom Control

Displays an enlarged VCD screen.

1 Display the playback screen

See <Operation on the Playback Screen of Visual Sources> (page 19).

2 Display the Zoom Control screen



3 Operation on the Zoom Control screen



[Zoom] Changes the zoom ratio at 2 levels (2 times or off) each time you touch.

[<], [>], [▲], [▼] Scrolls the screen in the direction you touch.

[Exit] Exits the Zoom Control screen.

Music CD/ Audio File Listening & Video File/ Picture File Watching

You can recall various control screens during playback of CD, audio file, video file and picture file.



- See <List of playable discs> (page 5) for playable discs.
- See <About Audio files> (page 6), <About Video files> (page 6) or <About Picture files> (page 6) for playable files.

Source Control Screen

Switches to the source control screen to use various playback functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 18).

2 Operation on the Source Control screen



[▶||] Plays or pauses.

[<<|], [|>>] [CD], [Audio File], [MPEG/DivX]
Fast Forwards or Fast Backwards.

[<], [>], [Audio File], [MPEG/DivX], [JPEG]
Selects a folder.

[■] [Disc] Stops playing.
When touched twice, the disc is played from its beginning when you play it the next time.

- [▲] [Disc] Ejects the disc.
- [■] [USB] Removes the USB device.
When "No Device" is shown, the USB device can be removed safely.
If you wish to play it again while the USB device is connected, touch it again.

[<<<], [>>>] Selects a track/ file.

[Slideshow] [JPEG] in [USB]

Displays images in the folder currently being played one after another.
If there is no image in the folder currently being played, initial background is displayed.

- 2 [Disc] Displays the folder list. See <List Search> (page 28).
- [USB] Displays the music list, video list, picture list, folder list or link list. See <List Search> (page 28).
- 3 [USB] Displays the album artwork. See <Album artwork> (page 29).

[■] Switches to the playback screen.

- 1 Information display
 - [CD] Selects the Disc Text, title or artist.
 - [Audio File], [MPEG/DivX], [JPEG] Selects Folder Name, File Name, Title, Artist Name, Album Name, Year*, Gene*, Track*, or Comment*1. (*1 USB only).
 - "Track" Track Number Display
 - " " Folder Number Display
 - " " File Number Display
 - "#### / ####" Total number of file in the folder and the file number display
 - "▶" Play Mode Display

"P"/ "R" Play Time Display

Use the [TIME] to change play time display.

[◀] When ◀ appears, the text display is scrolled by touching it.

Slider control [USB]

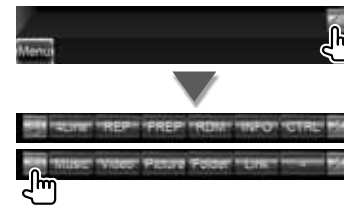
Use the [CTRL]/ [Slider] to change the control mode.



[▶||] Plays or pauses.

Dragging [▶||] left or right changes the playing position.

Multi Function



[1/2] Switches the multi function display.

[X] Closes the multi function bar.

[CD]

[REP] Repeats the present track.

[RDM] Starts or stops Random Play (to play music in random order). Not available if there are only picture files.

[TIME] Switches the play time display between Track ("P"), and Disc Remaining Time ("R").

[INFO] Displays music information of CD-TEXT being played.

[Audio File] [MPEG/DivX] [JPEG]

[4Line]/ [2Line] Switches the number of lines displayed in the Information Display.

[REP] Repeats the present file or data.

[FREP] Repeats the music or data of the present folder.

[RDM] Starts or stops Random Play (to play files of the present folder in random order).

[CTRL]/ [Slider] [USB] Switches control mode to button/slider.

[INFO] [Audio File] Displays music information (such as Tag) of Audio file being played.

[MPEG/DivX], [JPEG] Displays information of file being played.

[Music] [USB] Displays the music list.

[Video] [USB] Displays the video list.

[Picture] [USB] Displays the Thumbnail Viewer.

[Folder] [USB] Displays the folder list.

[Link] [Audio File] in [USB] Searches for another song of the currently selected artist. See <List Search> (page 28).

List Search

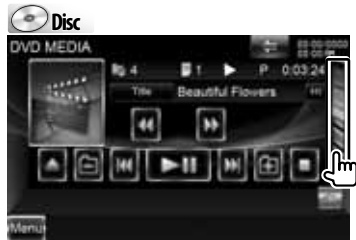
Folder list: Searches folders and Audio/ Video/ Picture files stored in media and devices according to hierarchy.

Play list: Lists and searches music contained in the USB device.

1 Display the Source Control Screen

See <Source Control Screen> (page 26).

2 Start List Search



- Touching [1] displays the previously used music list, video list, picture list, folder list or link list

3 Select a file

Folder list



[1] Folder opens when touched, and the files in the folder are played.

[2] Selects the file type to display.

[3] Returns to the Source Control screen.

[◀] When ◀ appears, the text display is scrolled by touching it.

[📁 ROOT] Moves to the top hierarchy level.

[📁 TOP] Moves to the top folder.

[📁 UP] Moves up a hierarchy level.

[📁 CUR] Displays the currently playing folder.

[📁 OPEN] Plays songs in the folder and changes the display.

Music or video list



[1] Switches to the lower level of the category.

[2] Returns to the Source Control screen.

[◀] When ◀ appears, the text display is scrolled by touching it.

[▶ ALL] Lists all the music in the selected category.

[📁 TOP] Moves to the top category.

[📁 UP] Moves to the upper level of the category.

[📁 CUR] Displays the currently playing category.

[↶] Returns to the previous screen.

Thumbnail Viewer



[1] Touching a thumbnail image displays it in full-screen view.

[2] Returns to the Source Control screen.

[📁 CUR] Displays the currently playing folder.

Scrolls to the position of the specified character



Scrolls to the selected character.

Album artwork (USB)

Searches for songs in an album artwork in USB.

1 Display the Source Control Screen

See <Source Control Screen> (page 26).

2 Display the artwork Screen



3 Select an artwork



[1] Touching an album artwork plays the first song in the album.

[2] Returns to the Source Control screen.

Link search (Audio File in USB)

Searches for another song of the currently selected artist.

- 1 **Display the Source Control Screen**
See <Source Control Screen> (page 26).

- 2 **Start Link search**



- 3 **Select a song**



- 1 Plays the touched song.
 - 2 Returns to the Source Control screen.
- [◀▶] When ◀▶ appears, the text display is scrolled by touching it.
- [CUR] Displays the currently playing folder.

Scrolls to the position of the specified character



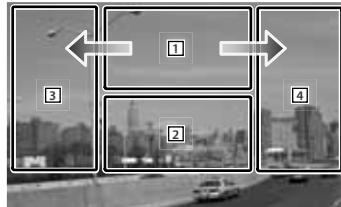
Scrolls to the selected character.

Playback Screen (Video file, Picture file)

Basic functions are available even when the playback screen is displayed.

- 1 **Display the Playback Screen**
See <Operation on the Playback Screen of Visual Sources> (page 19).

- 2 **Operation on the Playback Screen**



- 1 **JPEG** in **USB/SD**
Displays the Picture Control Screen (page 31).
 - DivX** in **Disc**
Displays the Menu Control Screen (page 32).
- Touching this area during fast forwarding or fast backwarding plays a source.
- 2 Displays Easy Control Screen.
Touching this area during fast forwarding or fast backwarding plays a source.
 - 3, 4 Searches for a file.



- Touching these areas during the slide show of picture files searches for audio files.
- **MPEG/DivX** Fast Forwards.
- ← **MPEG/DivX** Fast Backwards.

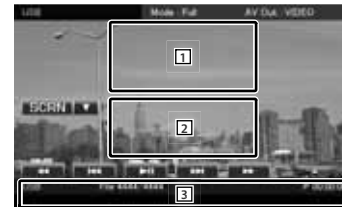
Easy Control Screen (Video file, Picture file)

Displays the basic operation buttons on the screen.

- 1 **Display the Easy Control Screen**



- 2 **Operation on the Easy Control Screen**



- 1, 2 Switches to the Playback Screen.
Touching this area during fast forwarding or fast backwarding plays a source.
 - 3 Displays the Source Control Screen.
- [◀◀], [▶▶] **MPEG/DivX** Fast Forwards or Fast Backwards.
- [◀◀], [▶▶] Searches for a file. During the slide show of picture files, touching the buttons searches the audio file.
- [Disc] Stops playing.
- [▶||] Plays or pauses.

Picture Control (USB)

Adjusting the picture display.

- 1 **Display the Playback Screen**
See <Operation on the Playback Screen of Visual Sources> (page 19).

- 2 **Display the Picture Control Screen**



- 3 **Adjust the picture display**



- [↕] Reverses the picture horizontally.
- [↶] Rotates counter clockwise.
- [↷] Rotates clockwise.
- [Exit] Ends Picture Control.

Movie Menu Control (Disc)

Selects an option from the Movie Menu.

1 Display the playback screen

See <Operation on the Playback Screen of Visual Sources> (page 19).

2 Display the Menu Control screen



3 Operation on the Menu Control screen



[SUB] Switches the subtitle language.

[Audio] Switches the voice language.

[Exit] Exits the Menu Control screen.

iPod Control

You can control and listen to songs in your iPod by connecting an iPod to this unit with KCA-iP301V (optional accessory). You can also display video contents on this unit when connecting an iPod with video.

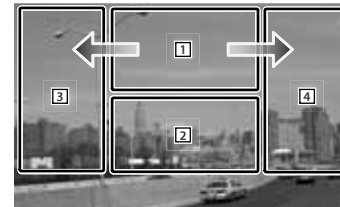
Playback Screen

Basic functions are available even when the playback screen is displayed.

1 Display the Playback Screen

See <Operation on the Playback Screen of Visual Sources> (page 19).

2 Operation on the Playback Screen



1 Not effective
Touching this area during fast forwarding or fast backwarding plays a source.

2 Displays Easy Control Screen.

3, 4 Selects the music/video.

➡ Fast Forwards.

⬅ Fast Backwards.



- Remove all accessories such as headphone before connecting an iPod. You may not be able to control the iPod if you connect it with accessories attached.
- When you connect an iPod to this unit, playback starts from the song you were playing on the iPod itself (Resume Function).
- If the played song is not a video content, "No Video Signal" is displayed on the video screen.

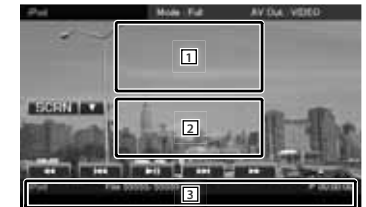
Easy Control Screen

Displays the basic operation buttons on the screen.

1 Display the Easy Control Screen



2 Operation on the Easy Control Screen



1, 2 Switches to the Playback Screen.

3 Displays the Source Control Screen.

[◀▶], **[▶▶]** Fast Forwards or Fast Backwards.

[◀◀], [▶▶] Music/Video Search.

[▶||] Plays or pauses.

Source Control Screen

Switches to the source control screen to use various playback functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 18).

2 Operation on the Source Control Screen



[▶||] Plays or pauses.

[◀◀], [▶▶] Fast Forwards or Fast Backwards.

[◀], [▶] Selects Next or Previous Music/Video.

2 Displays the iPod list. See <iPod List> (page 35).

3 Displays the iPod artwork. See <iPod Album Artwork> (page 36).

[1] Switches to the playback screen.

1 Information display
Selects the Title, Artist Name, Album Name or iPod Name.

"##### / #####" Total number of music in the iPod and the music number display

"▶" Play Mode Display

"P" Play Time Display

[◀] When ◀ appears, the text display is scrolled by touching it.

Slider control Music

Use the [CTRL]/ [Slider] to change the control mode.



[▶||] Plays or pauses.

Dragging [▶||] left or right changes the playing position.

Multi Function



[1/2] Switches the multi function display.

[X] Closes the multi function bar.

[Music] Displays the list of music category.

[Video] Displays the list of video category.

[Link]*1 Searches for another song of the currently selected artist. See <Link search> (page 36).

[REP] Repeats the present file or data.

[RDM]*1 Starts or stops Random play.

[ARDM]*1 Starts or stops Album Random Play (plays randomly from current album).

[CTRL]/ [Slider] Switches control mode to button/slider.

[INFO] Displays the information screen of music/video being played.

[Hand] Allows you to operate iPod with the control of the iPod.



*1 Disabled when VIDEO is being played.

• [Hand]

– In the iPod Control by Hand Mode, iPod cannot be operated using this unit.

– This mode is not compatible with music information display.

– iPod can be operated when it conforms to the iPod control function.

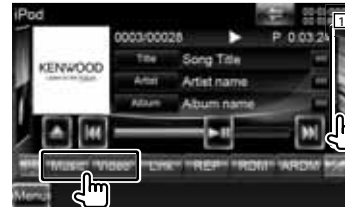
iPod List

Lists and searches music/video contained in the iPod.

1 Display the Source Control Screen

See <Source Control Screen> (page 34).

2 Display the iPod List



• Touching 1 displays the previously used music list, video list, or link list.

3 Select music/video



1 Categories and music are listed.

Touch a category name to view its contents. If music title is displayed, the music is played by touching it.

2 Returns to the Source Control screen.

[◀] When ◀ appears, the text display is scrolled by touching it.

[▶ ALL] Lists all the music in the selected category.

[▶ TOP] Moves to the top category.

[▶ UP] Returns to previous category.

[▶ CUR] Displays the currently playing category.

Scrolls to the position of the specified character

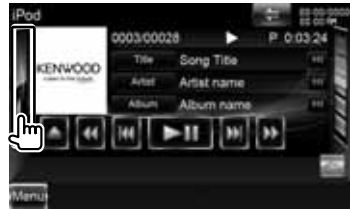


Scrolls to the selected character.

iPod Album Artwork

Searches for songs in an album artwork in iPod.

- 1 Display the Source Control Screen**
See <Source Control Screen> (page 34).
- 2 Display the iPod artwork Screen**



3 Select album



- Touching an album artwork twice plays the first song in the album.
- Returns to the Source Control screen.

Link search (Music file)

Searches for another song of the currently selected artist.

- 1 Display the Source Control Screen**
See <Source Control Screen> (page 34).
- 2 Start Link search**



3 Select a song



- Plays the touched song.
 - Returns to the Source Control screen.
- [◀] When ◀ appears, the text display is scrolled by touching it.
- [▶ ALL] Lists all the music in the selected category.
- [▶ TOP] Moves to the top category.
- [▶ UP] Returns to previous category.
- [▶ CUR] Displays the currently playing category.

Scrolls to the position of the specified character



Scrolls to the selected character.

Radio Listening

Various control screens appear in the Tuner Source mode.



- Set the remote controller mode switch to "AUD" mode before starting operation, see <Remote Controller mode switch> (page 105).

Source Control Screen

Switches to the source control screen to use various functions.

- 1 Display the Source Control Screen**
See <How to Display the Source Control Screen> (page 18).

2 Operation on the Source Control screen



- [FM] Switches to the FM1/2/3 band.
- [AM] Switches to the AM band.
- [TI]*1 Turns the Traffic Information function On or Off.
See <Traffic Information> (page 40).
- [◀▶]*1 Tunes in a station.
Use the [SEEK] to change the frequency switching.
- Display the Tuner Preset List Screen.
See <Preset Select> (page 38).
- Information display
 - [FM] Selects the Program Service Name, Title & Artist name, Station name, Radio Text plus, or Radio Text.
 - "FM"/"AM" Band display
 - "Preset" Preset number
 - "MHz"/"kHz" Frequency display
- [◀] When ◀ appears, the text display is scrolled by touching it.

Multi Function



- Switches the multi function display.
 - Closes the multi function bar.
- [P1] – [P6] When [P1] to [P6] buttons appear, you can recall the stations on memory.
For memory of broadcasting stations, see <Auto Memory> (page 38) or <Manual Memory> (page 39).
- [SEEK] Switches the Seek mode.
The mode is switched in the following order each time you touch the button.

Display	Setting
"AUTO1"	Tunes in a station with good reception automatically.
"AUTO2"	Tunes in stations in memory one after another.
"MANU"	Switches to the next frequency manually.

- [AME] Selects the Auto Memory mode.
See <Auto Memory> (page 38).
- [PTY] [FM] Searches station by program type. See <Search by Program Type> (page 40).
- [INFO] [FM] Displays Radio Text screen. See <Radio Text> (page 39).
- [4Line]/ [2Line] [FM] Switches the number of lines displayed in the Information Display.

Next page ►

Radio Listening

[CRSC] Switches to Monaural to decrease noise when reception is poor.

Preset Select

Lists and selects memorized station.

- 1 Display the Source Control Screen**
See <Source Control Screen> (page 37).
- 2 Display the Tuner Preset List Screen**



- 3 Select a station**

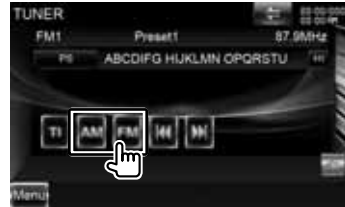


- Memorized stations are displayed. Touch to tune in.
- Returns to the Source Control screen.

Auto Memory

Stores stations with good reception in memory automatically.

- 1 Display the Source Control Screen**
See <Source Control Screen> (page 37).
- 2 Select a band you wish to store in memory**



- 3 Select the Auto Memory mode**



- 4 Start Auto Memory**



Auto Memory terminates when 6 stations are stored or when all stations are tuned in.

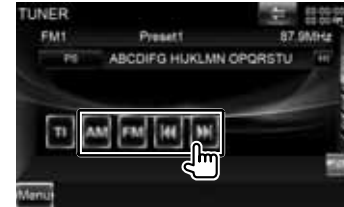


- The operation ends automatically if you do not operate within 10 seconds.

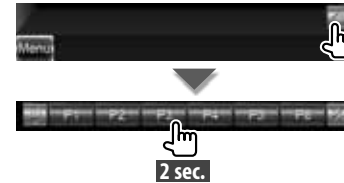
Manual Memory

Stores the current receiving station in memory.

- 1 Display the Source Control Screen**
See <Source Control Screen> (page 37).
- 2 Select a station you wish to store in memory**



- 3 Store in memory**

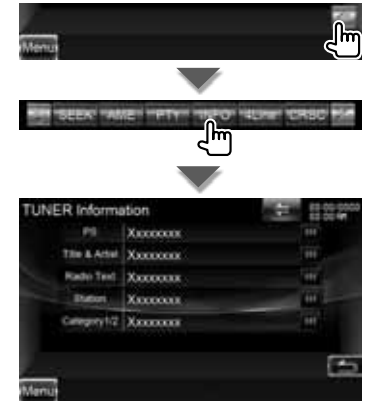


Continue to touch until the memory number appears.

Radio Text

You can display the radio text. (Only when receiving the FM broadcast)

- 1 Select a station**
See <Source Control Screen> (page 37).
- 2 Display the radio text**



Program Service Name, Title & Artist name, Station Name, Radio Text, or Category name 1/2 display.

[] When appears, the text display is scrolled by touching it.

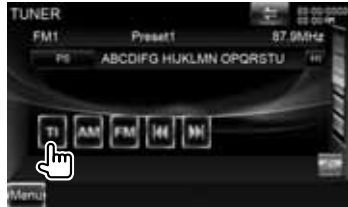
Traffic Information

When a traffic bulletin starts, any source is switched to the traffic information and it is displayed automatically.

1 Display the Source Control Screen

See <Source Control Screen> (page 37).

2 Set the Traffic information mode



When the traffic bulletin starts...

The Traffic Information screen appears automatically.

Traffic Information screen



- It is necessary to have Traffic Information function set to On in order to have the Traffic Information screen appear automatically.
- During reception of traffic information the adjusted volume is automatically remembered, and the next time it switches to traffic information it's automatically the remembered volume.

Search by Program Type

A program is tuned when you set its program type. (Only when receiving the FM broadcast)

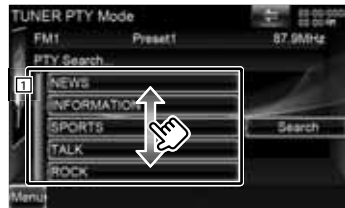
1 Display the Source Control Screen

See <Source Control Screen> (page 37).

2 Enter Program Type Search mode



3 Select a Program Type



1 Program Type is displayed. Touch to select a Program Type.

[Search] Searches for the program type. It is displayed when the Program type is selected.

4 Search a station of the selected Program Type



Various control screens appear in the TV source mode. You can only operate TV with the optional accessory TV Tuner connected.

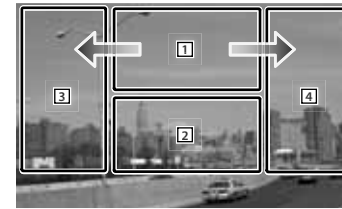
Function During TV Screen

Basic functions are available even when the TV screen is displayed.

1 Display the TV screen

See <Operation on the Playback Screen of Visual Sources> (page 19).

2 Operation on the TV screen



- 1** Switches to TV1 or TV2.
- 2** Displays Easy Control Screen.
- 3, 4** Selects a channel.

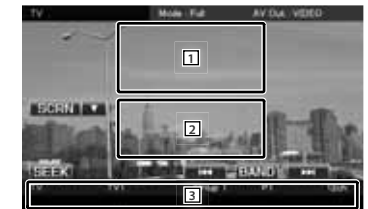
Easy Control Screen

Displays the basic operation buttons on the screen.

1 Display the Easy Control Screen



2 Operation on the Easy Control Screen



- 1, 2** Switches to the TV screen.
- 3** Displays the Source Control Screen.
- [BAND]** Switches to TV1 or TV2.
- [<<], [>>]** Selects a channel. Use the **[SEEK]** to change the channel tuning sequence.
- [SEEK]** Switches the Seek mode. (page 42)

Source Control Screen

Switches to source control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 18).

2 Operation on the Source Control Screen



[BAND] Switches to TV1 or TV2.

[◀▶], [▶▶] Select a channel.

Use the [SEEK] to change the channel tuning sequence.

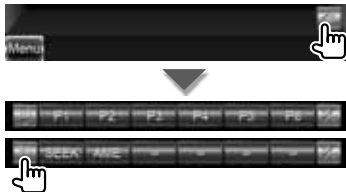
2 Display the TV Preset List Screen. See <Preset Select> (page 44).

[TV] Switches to the TV screen.

- 1 Information display
- Channel information display
- "TV" Band display
- "Preset" Memory Number Display
- "ch" Channel display

[◀▶] When ◀▶ appears, the text display is scrolled by touching it.

Multi Function



[1/2] Switches the multi function display.

[X] Closes the multi function bar.

[P1] – [P6] When [P1] to [P6] buttons appear, you can recall channels on memory.

For memory of broadcasting stations, see <Auto Memory> (page 43) or <Manual Memory> (page 43).

[SEEK] Switches the Seek mode.

The mode is switched in the following order each time you touch the button.

Display	Setting
"AUTO1"	Tunes in a station with good reception automatically.
"AUTO2"	Tunes in stations in memory one after another.
"MANU"	Switches to the next frequency manually.

[AME] Selects the Auto Memory mode. See <Auto Memory> (page 43).

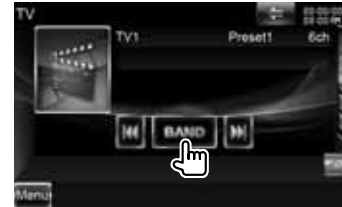
Auto Memory

Stores stations with good reception in memory automatically.

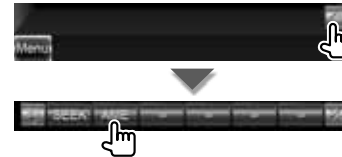
1 Display the Source Control Screen

See <Source Control Screen> (page 42).

2 Select a band you wish to store in memory



3 Select the Auto Memory mode



4 Start Auto Memory



Auto Memory terminates when 6 stations are stored or when all stations are tuned in.



- The operation ends automatically if you do not operate within 10 seconds.

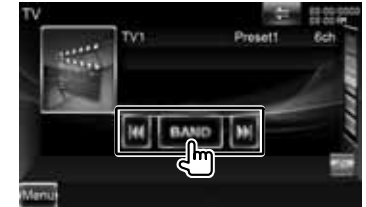
Manual Memory

Stores the current receiving channel in memory.

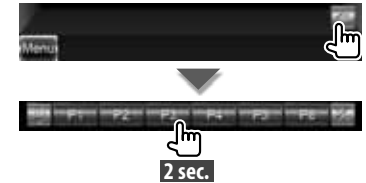
1 Display the Source Control Screen

See <Source Control Screen> (page 42).

2 Select a station you wish to store in memory



3 Store in memory



Continue to touch until the memory number appears.

Preset Select

Lists and selects memorized station.

1 Display the Source Control Screen

See <Source Control Screen> (page 42).

2 Start Preset Select



3 Select a station



- 1 Memorized stations are displayed. Touch to tune in.
- 2 Returns to the Source Control screen.
- [] Switches to the TV screen.

SIRIUS/XM Control (North American sales area only)

Various control screens appear in the Satellite radio source mode. (Only with the optional accessory Satellite radio connected. To connect the SIRIUS tuner, a conversion cable CA-SR20V (optional accessory) is necessary and to connect the XM tuner, an XM interface Box KCA-XM100V (optional accessory) is necessary.)



- This document uses the SIRIUS display as an example.

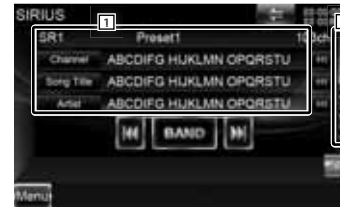
Source Control Screen

Switches to control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 18).

2 Operation on the Source Control screen



- [BAND] Switches the band.
- [◀◀], [▶▶] Tunes in a station. Use the [SEEK] to change the frequency switching.
- 2 Display the Category List or Channel List Screen. See <Category/ Channel Search> (page 46).
- 1 Information display Displays information concerning music being played.
 - [SIRIUS] Changes the display from Channel Name, Song Title Name, Artist Name, Composer Name, to Category Name.
 - [XM] Changes the display from Channel Name, Artist Name, Song Title Name, to Category Name.

Displays the ID number when Channel 0 is selected.

[SIRIUS] Displays the SIRIUS ID.

[XM] Displays the RADIO ID.

"SR"/ "XM" Band display

"Preset" Preset number

"ch"/ "CH" Channel display

[◀] When ◀ appears, the text display is scrolled by touching it.

Multi Function



- [1/2] Switches the multi function display.
- [X] Closes the multi function bar.
- [P1] – [P6] When [P1] to [P6] buttons appear, you can recall the channel on memory. For memory of channel stations, see <Channel Memory> (page 47).
- [SEEK] Switches the Seek mode. The mode is switched in the following order each time you touch the button.

Display	Setting
"SEEK1"	Tunes channels one after the other.
"SEEK2"	Selects channels in memory one after the other.

[DIR] You can tune in by entering the desired channel number. See <Direct Channel Search> (page 48).

[INFO] Displays the program information screen.

[SCN] Starts or stops Channel Scan (that tunes channels one after the other).

[PRE] Lists and selects memorized channel. See <Preset Select> (page 47).

Category/ Channel Search

Specifying the desired category and selecting a channel.

1 Display the Source Control Screen

See <Source Control Screen> (page 45).

2 Display the Category List or Channel List Screen



- Touching **1** displays the previously used category list, or channel list.

3 Select a category



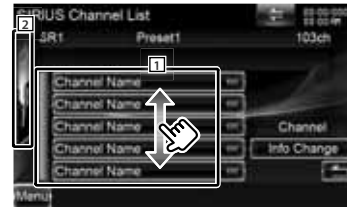
- 1 Selects a category.
Displays all the channels in the selected category.

[←] When ← appears, the text display is scrolled by touching it.

[All Channel] Displays all the channels.

2 Returns to the Source Control screen.

4 Select a channel



- 1 Selects a channel.
Tunes in the selected channel.

[Info Change] Switches the sequence of the list.

SIRIUS Changes the display from Channel Name, Song Title, Artist Name, Composer Name, to Category Name.

XM Changes the display from Channel Name, Artist Name, Song Title, to Category Name.

[↔] Display the category list.

2 Returns to the Source Control screen.

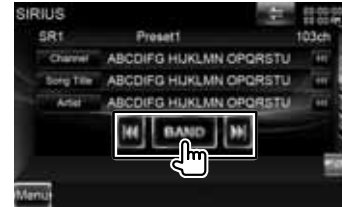
Channel Memory

Stores the current receiving channel in memory.

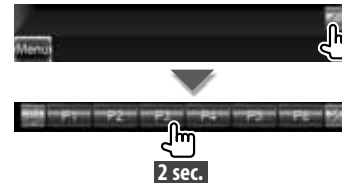
1 Display the Source Control Screen

See <Source Control Screen> (page 45).

2 Select a channel you wish to store in memory



3 Store in memory



Continue to touch until the memory number appears.

Preset Select

Lists and selects memorized channel.

1 Display the Source Control Screen

See <Source Control Screen> (page 37).

2 Display the SIRIUS Preset List Screen



3 Select a channel



- 1 Memorized channels are displayed.
Touch to tune in.

[↔] Returns to the Source Control screen.

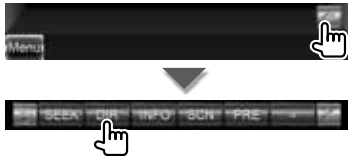
Direct Channel Search

Tuning in by entering the desired channel number.

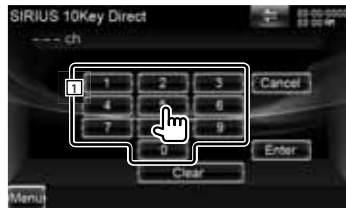
1 Display the Source Control Screen

See <Source Control Screen> (page 45).

2 Start Direct Channel Search



3 Enter the channel number



1 Enters the channel number.

[Cancel] Cancels the direct channel search.

[Clear] Clears the channel number.

4 Tune in the channel



• The operation ends automatically if you do not operate within 10 seconds.

HD Radio™ Control

Various control screens appear in the HD Radio Source mode. (only with the optional accessory HD Radio tuner connected)

Source Control Screen

Switches to the source control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 18).

2 Operation on the Source Control screen



[HD FM] Switches to the HD FM1/2/3 band.

[HD AM] Switches to the HD AM band.

[◀▶] Tunes in a station.

Use the **[SEEK]** to change the frequency switching.

[CH ▼], [CH ▲] Selects a channel (program).

2 Display the HD Radio Preset List Screen. See <Preset Select> (page 51).

1 Information display
Selects the Station Name, Song title, Artist, Album, or Genre.

"HD FM"/ "HD AM" Band display

"Preset" Preset number

"MHz"/ "kHz" Frequency display

"HD" Channel display

[◀▶] When ◀▶ appears, the text display is scrolled by touching it.

Multi Function



[1/2] Switches the multi function display.

[X] Closes the multi function bar.

[P1] – [P6] When [P1] to [P6] buttons appear, you can recall the stations on memory.

For memory of broadcasting stations, see <Auto Memory> (page 50) or <Manual Memory> (page 50).

[SEEK] Switches the Seek mode. The mode is switched in the following order each time you touch the button.

Display	Setting
"AUTO1"	Tunes in a station with good reception automatically.
"AUTO2"	Tunes in stations in memory one after another.
"MANU"	Switches to the next frequency manually.

[DIR]* You can tune by entering the desired frequency or channel number. See <Direct Search> (page 52).

[AME] Selects the Auto Memory mode. See <Auto Memory> (page 50).

[RCV] The Receive mode switches in the following order. See <Receive mode> (page 51).

[INFO] Displays the tuned program information.



• * Only with KTC-HR300 (optional accessory) connected.

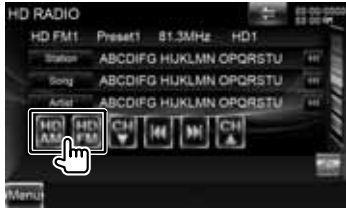
Next page ▶

Auto Memory

Stores stations with good reception in memory automatically.

1 Display the Source Control Screen
See <Source Control Screen> (page 49).

2 Select a band you wish to store in memory



3 Select the Auto Memory mode



4 Start Auto Memory



Auto Memory terminates when 6 stations are stored or when all stations are tuned in.



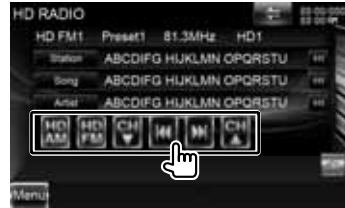
• The operation ends automatically if you do not operate within 10 seconds.

Manual Memory

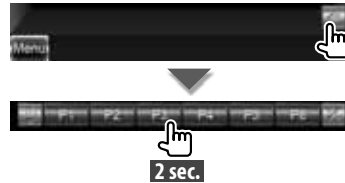
Stores the current receiving station in memory.

1 Display the Source Control Screen
See <Source Control Screen> (page 49).

2 Select a station you wish to store in memory



3 Store in memory



Continue to touch until the memory number appears.

Preset Select

Lists and selects memorized channel.

1 Display the Source Control Screen
See <Source Control Screen> (page 49).

2 Display the HD Radio Preset List Screen



3 Select a station



1 Memorized stations are displayed. Touch to tune in.

[↶] Returns to the Source Control screen.

Receive mode

Sets the radio broadcasts receive mode.

1 Display the Source Control Screen
See <Source Control Screen> (page 49).

2 Display the Receive mode screen



3 Select the receive mode



[Receive Mode] The Receive mode switches in the following order.
 "Auto": Automatically tunes to analog broadcast when there is no digital broadcast.
 "Digital": Digital broadcasts only.
 "Analog": Analog broadcasts only.

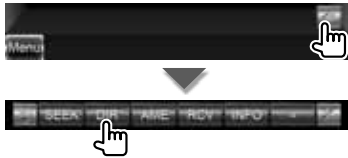
Direct Search

Tuning by entering the desired frequency or channel number.
Only with KTC-HR300 (optional accessory) connected.

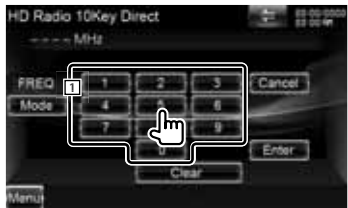
1 Display the Source Control Screen

See <Source Control Screen> (page 49).

2 Start Direct Search



3 Enter the frequency or channel number



1 Enters the frequency or channel number.

[Mode] Switches the search mode to Frequency or Channel.

[Cancel] Cancels the direct search.

[Clear] Clears the frequency or channel number.

4 Tune in the frequency or channel

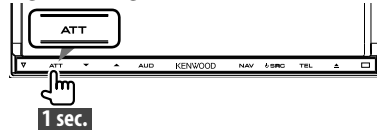


iTunes Tagging

Using an iTunes Tagging enabled HD Radio receiver you can tag your music. When you hear a song you enjoy on your local HD Radio station, you only have to press the [ATT] button for at least 1 second. The song's information will then be saved on this unit. The saved songs will then show up in a playlist called "Purchased" in iTunes the very next time you sync your iPod to your computer. So then you just need to click and then easily buy and download the song you were tagging directly from the Apple iTunes Music Store.

Only with KTC-HR300 (optional accessory) connected.

Registers a tag



"TAG" will be indicated on the display when song information can be registered.

The memory usage can be checked

1 Display the Source Control Screen

See <Source Control Screen> (page 49).

2 Display the Information Screen



3 The memory usage can be checked



Select the "Tagging Information" display.



- Up to 50 TAGs (song's information) can be registered to this unit. When iPod is connected, the TAG information registered to this unit is transferred to the connected iPod.

Bluetooth Audio Control

You can listen to audio files stored in a Bluetooth audio player or cell-phone.

Before Use

- For details on the Bluetooth Audio player which can be connected, see <About the Bluetooth Audio player> (page 8).
- You need to register your audio player and cell-phone before using it with this unit. For more details, see <Registering Bluetooth Unit> (page 88).
- If you have registered two or more audio players or cell-phones, you need to select one of them. For more details, see <Bluetooth Unit Connection> (page 90).
- Sound output speaker can be set. See <Bluetooth Hands-Free/Audio Output Setup> (page 90).

Source Control Screen

Switches to control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 18).

2 Operation on the Source Control screen



- [▶]*1 Plays.
- [■]*1 Stops playing.
- [⏸]*1 Pauses.
- [◀], [▶]*1 Selects a file.
- [1] Information display
Selects Device, Title*2, Artist Name*2, Album Name*2, Genre*2, Composer*2, or

Track Number*2.



- *1 If the Bluetooth Audio player does not support AVRCP profile, buttons are not displayed. Operate from the Audio player.
- *2 If the Bluetooth Audio player supports AVRCP1.3 profile, these items can be displayed.

Other Functions

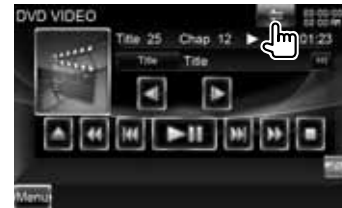
External Device Power Supply Control

Controlling the external device power supply.

1 Display the Source Select Screen



2 Display the EXT SW Control screen



3 Control the external device power supply



You can turn on or off the external device power supply.



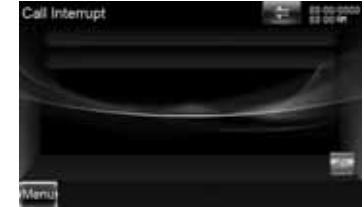
- You must connect a commercially available relay unit in order to use this function. Connect the external device to be controlled to that relay unit.
- Refer to <EXT SW Setup> (page 83) for information on setting the power on or off specification.

Muting Audio Volume upon Reception of Phone Call

When a telephone call is made or received...

The Phone Call ("Call Interrupt") screen appears, and system is paused.

Phone Call ("Call Interrupt") screen



When the call ends...

Hang up the phone.

The system resumes playing automatically.



- To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory. Refer to <INSTALLATION MANUAL>.

Voice Control (DNX9960 only)

The unit is equipped with Advanced Speech Recognition function which allows you to operate it with your voice. The supported languages are US English, UK English, French, German, Dutch, Italian, and Spanish. For information on the voice commands, refer to <Voice command table> (separate volume).



- ASR on the Language Setting screen should be set to "Enabled". See <Language Setting> (page 80).

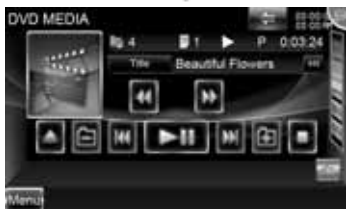


- The voice control is canceled if no operation is continued for a certain period of time.

Voice Control

1 Enter into the Voice control mode

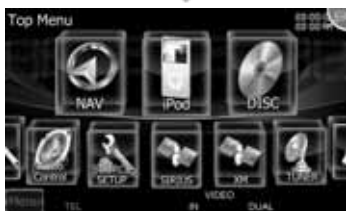
Press the TALK switch.



The buttons enclosed in a green square support the voice control.

2 Speak the command

Speak the command. (Ex: Speak "Top Menu")
You will hear a beep.



The screen has changed to the Top Menu screen.
You will hear a beep again.

3 Speak the command

Speak the command. (Ex: Speak "TUNER")
You will hear a beep.



The screen has changed to the Tuner Control screen.
You will hear a beep again.


4 Control the source with voice control

Repeat the same procedure as step 2 or 3.
For information on the voice commands, refer to <Voice command table> (separate volume).

5 End the voice control mode

Press the TALK switch.



- The voice control is disabled when  is displayed on the upper-right corner of the screen.
- The voice control is canceled when the screen is touched or any of the buttons, except the [VOLUME] button, on the front panel or the remote control unit is pressed.
- The voice control is disabled while talking on the phone with hands-free.

Screen Control

Setting the monitor screen.

Screen Control

1 Display the Easy Control Screen

See <Operation on the Playback Screen of Visual Sources> (page 19).

2 Display the Screen Control screen



When the navigation screen is displayed, press the [TEL] button for 1 second or more.

3 Adjust the picture quality



[Bright] Brightness Control

[Tint] Tint Control

Displayed for an NTSC system image on Video, iPod, TV or Camera View.

[Color] Color Control

Displayed on Video, iPod, TV or Camera View screen only.

[Contrast] Contrast Control

[Black] Black Level Adjustment

[Sharpness] Sharpness control

Displayed on Video, iPod, USB, TV or Camera View screen only.

[Dimmer] Dimmer Mode Setup

"ON": The display dims.

"OFF": The display doesn't dim.

"SYNC": Turning the Dimmer function On or Off when the vehicle light control switch is turned On or Off.

"NAV-SYNC": Turning the Dimmer function On or Off according to the Navigation Day/Night display setting. (DNX series and DDX series with navigation unit only)

[Dyn.Brightness] (Dynamic Brightness)

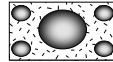
The function compensates for Over Exposure and Under Exposure creating a clearer picture. (☑ "OFF")

"OFF"/ "1"/ "2"

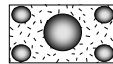
[Mode] Selects a screen mode.

You can select any of the following screen mode.

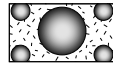
"Full": Full picture mode



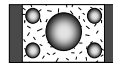
"Just": Justify picture mode



"Zoom": Zoom picture mode



"Normal": Normal picture mode



- The Screen Control screen is displayed only when you have applied the parking brake.
- The picture quality can be set for each source.
- You can set image quality of screens such as menu from <Screen Control> (page 87).

Hands Free Unit Control

Various functions can be used in the Hands Free control mode.

Before Use

- For details on the Bluetooth cell-phone with the hands-free function, see <About the Cell-Phone> (page 8).
- You need to register your cell-phone before using it with this unit. For more details, see <Registering Bluetooth Unit> (page 88).
- If you have registered two or more cell-phones, you need to select one of them. For more details, see <Bluetooth Unit Connection> (page 90).
- To use the Phone Book, it must be downloaded to this unit in advance. For details, see <Downloading the Phonebook> (page 59).
- Sound output speaker can be set. See <Bluetooth Hands-Free/Audio Output Setup> (page 90).

Downloading the Phonebook

Downloads the phonebook data from the cell-phone to this unit so that you can use the Phonebook of this unit.

1 By operating the cell-phone, send the phonebook data to this unit

2 By operating the cell-phone, start the hands-free connection



- For the cell-phones which support auto-download of phonebook:
If the phonebook is not downloaded automatically for some reasons, follow the procedure above to download manually.
- For how to operate the cell-phone, refer to the Instruction Manual that comes with your cell-phone.
- Up to 1000 phone numbers can be registered for each registered cell-phone.
- Up to 32 digits can be registered for each phone number along with up to 50* characters representing a name.
(* 50: Number of alphabetical characters. Fewer characters can be input depending on the type

of characters.)

- Depending on the type of your cell-phone, the following restrictions are placed:
 - The phonebook data cannot be downloaded normally.
 - Characters in the Phonebook are garbled.
- To cancel downloading of the phonebook data, operate the cell-phone.

Receiving a Call



- [📞] Answering a Phone Call
- [📞] Rejecting an Incoming Call



- While monitoring the rear view camera, this screen is not displayed even if a call comes in. To display this screen, press the [TEL] button or return the shift knob of car to the drive position.

During a Call

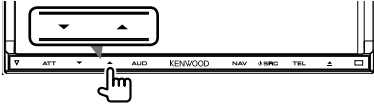


[Speaker/Phone] Switches the voice output between phone and speaker.

[DTMF] Outputs dial tone. See <Controlling Tone-based Services> (page 65).

[Phone] Disconnecting a call

Adjusting the Voice Volume during a Call



Call Waiting



[Phone] • Answers another incoming call with the current call suspended.
• Switching between the current call and waiting call
Each touch of this button switches the calling party.

[Phone] Terminates the current call.

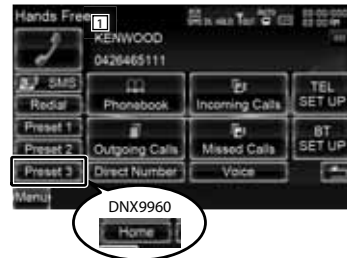
Making a Call

Displaying the control screen and using various functions.

1 Display the Hands-Free Control screen



2 Select a dialing method



1 Calls the displayed phone number.
If you have registered a phone number in the Phonebook, the person's name is displayed.

[Phone] Calls the displayed phone number.

[SMS] Displays the SMS Select screen. See <SMS (Short Message Service)> (page 69).

[Redial] Displays the previously called phone number.

[Preset1], [Preset2], [Home] (DNX9 series)

[Preset1-3] (DNX7/ DDX8 series)
Calls the preset phone number.
For information on how to preset a phone number, see <Phone Number Preset> (page 68).

[Phonebook] Displays the Phonebook Search. See <Calling by Phonebook> (page 61).

[Outgoing Calls] Displays the Outgoing Calls screen. See <Making a Call Using Call Records> (page 63).

[Incoming Calls] Displays the Incoming Calls screen. See <Making a Call Using Call Records> (page 63).

[Missed Calls] Displays the Missed Calls screen. See <Making a Call Using Call Records> (page 63).

[Direct Number] Displays the Dialing Display screen. See <Calling by Entering a Phone Number> (page 62).

[Voice] Starts voice recognition. See <How to Display the Navigation Screen> (page 20). (DNX7/ DDX8 series only)

[BT SETUP] Displays the Bluetooth SETUP screen. See <Registering Bluetooth Unit> (page 88).

[TEL SETUP] Displays the Hands Free Setup screen. See <Setting Up the Hands-Free Phone> (page 65).



- While your car is moving, some functions are disabled for safety reasons. The buttons associated with the disabled functions become ineffective if pressed.
- When the Hands-Free Control screen appears, the name of the connected cell-phone is displayed for 5 seconds.
- The status icons such as and displayed on the control unit may discord from those displayed on the cell-phone.
- Setting the cell-phone in the private mode can disable the hands-free function.

Calling by Phonebook

You can call a person using his/her phone number that you have registered in the Phonebook.

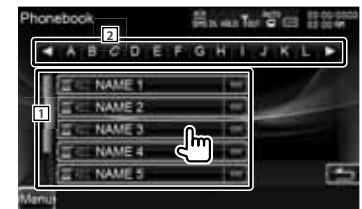
1 Display the Hands-Free Control screen

See <Making a Call> (page 60).

2 Display the Phonebook screen



3 Select the name to call



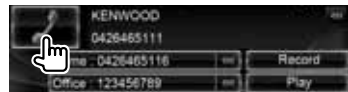
- 1 Phonebook data list.
- 2 Displays the Phonebook name beginning with the character you have touched.

[Phone] When appears, the text display is scrolled by touching it.

4 Select the phone number to call



5 Make a call



- To use the Phonebook, it must have been downloaded from the cell-phone. For more details, see the instruction manual of your cell-phone.
- Characters with no corresponding name will not be displayed.
- During search, a non-accent character such as "u" is searched for instead of an accent character such as "ü".

Calling by Entering a Phone Number

Makes a call by entering a phone number.

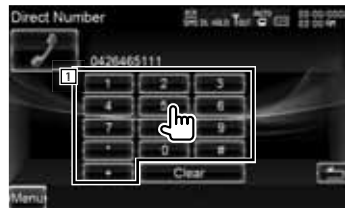
1 Display the Hands-Free Control screen

See <Making a Call> (page 60).

2 Display the number input screen



3 Enter a phone number



- 1 Calls the entered phone number.
- [Clear] Clears the number.

4 Make a call



You can start talking when the recipient responds.



- You can input up to 32 digits.
- This function is unavailable while driving.

Making a Call Using Call Records

Calls by selecting a phone number from the outgoing, incoming, or missed calls list.

1 Display the Hands-Free Control screen

See <Making a Call> (page 60).

2 Display the Outgoing Calls, Incoming Calls, or Missed Calls screen



3 Select from calls list

Example : Outgoing Calls screen



Calls the selected phone number.

4 Make a call



- The Outgoing Calls list screen, Incoming Calls list, or Missed Calls list screen shows the list of the calls originated from or received at this unit. They are not the ones stored in the cell-phone memory.

Calling by Voice Recognition (DNX7/ DDX8 series)

Calls by recognizing the registered voice.

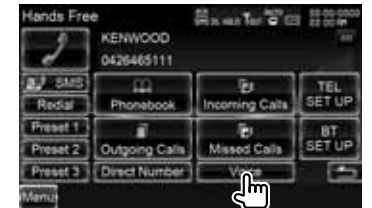


- In order to perform voice recognition, voice must be registered in the Phonebook data. See <Voice Registration> (page 66). Or, to perform voice recognition by Phone number category (Home, Office, Mobile etc.) of Phonebook data, a key word voice must be registered. See <Key Word Voice Registration> (page 67).

1 Display the Hands-Free Control screen

See <Making a Call> (page 60).

2 Display the Voice Recognition screen



■ If there is only one phone number assigned under the registered name

3 Say the voice registered in the Phonebook



When a beep is heard, say the name within 2 seconds.

4 Make a call



■ If there is more than one phone number assigned under the registered name

5 Say the key word registered for the category



When a beep is heard, say the category within 2 seconds.

6 Make a call



■ If there are more than one phone numbers registered under the same name, go to step 7.

7 Select a Phone number category



Selects the Phone number category.

8 Make a call



• A message is displayed if the voice is not recognized. Read the message for the further operation.

Controlling Tone-based Services

Uses tone base service using DTMF (Dual Tone Multi Frequency).

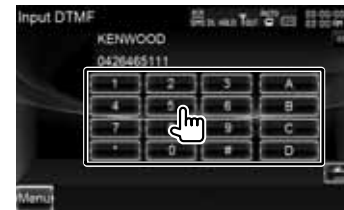
1 Display the Talking screen

See <Calling by Entering a Phone Number> (page 62).

2 Display the DTMF input screen



3 You can send tones during a call



Setting Up the Hands-Free Phone

The Hands-Free system can be set as follows.

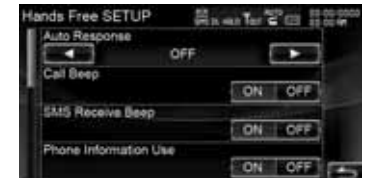
1 Display the Hands-Free Control screen

See <Making a Call> (page 60).

2 Display the Hands Free Setup screen



3 Set each item



[Auto Response] Sets an automatic response time after call termination. (☑ "OFF")
 "OFF": This function can not use.
 "0-99": Sets to calling ring time (second).

[Call Beep] Sets the beep of the incoming call. (☑ "ON")

"ON": Beep is heard.

"OFF": Beep is canceled.

[SMS Receive Beep] Sets the beep of the incoming SMS. (☑ "ON")

"ON": Beep is heard.

"OFF": Beep is canceled.

[Phone Information Use] Sets whether to use cell-phone phonebook, outgoing calls list, incoming calls list and missed calls list. (☑ "ON")

"ON": Yes.

"OFF": No.

[SMS Use] Sets the SMS function. (☑ "ON")

"ON": Use SMS function.

"OFF": SMS not available.

[Key Word] Registers the voice to select phone number category with voice recognition. See <Key Word Voice Registration> (page 67). (DNX7/ DDX8 series only)

[Echo Cancel Level] Adjust the level of echo cancellation. (☑ "15")

[Microphone Level] Adjusts the sensitivity of the microphone for a telephone call. (☑ "2")

[Noise Reduction Level] Reduce the noises generated by surrounding environment without changing the microphone volume. Adjust the voice of caller when it is not clear. (☑ "15")

[Restore] Restores the Hands Free SETUP value to the initial value.



- Either the time interval for automatic answer set on this unit or the time interval set on the cell-phone, whichever is shorter, takes effect.

Voice Registration (DNX7/ DDX8 series)

Registers voice for voice recognition in Phonebook. Up to 35 voices can be recorded in one cell-phone.

1 Display the Phonebook Detail screen

Go through the procedure of <Calling by Phonebook> (page 61).

2 Display the voice registration screen



[Record] Registers the voice for voice recognition to the selected Phonebook. If there are already 35 voice tag registered in the same cell-phone, [Record] button is deactivated.

[Play] Plays the voice registered in the selected Phonebook data.

[Delete] Deletes the voice registered in the selected Phonebook data. Touch to display the confirmation screen. Touch [Yes] to delete or [No] to cancel.

3 Say the voice to register (1st try)

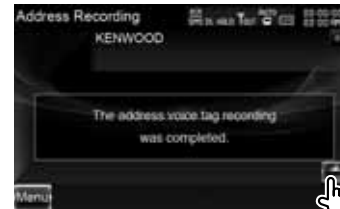


Say within 2 seconds after the Beep.

4 Say the voice to register (2nd try)

Say within 2 seconds after the Beep.

5 End voice registration



- A message is displayed if the voice is not recognized. Read the message for the further operation.
- Repeat from 1st try if the voice is different from the 1st try.

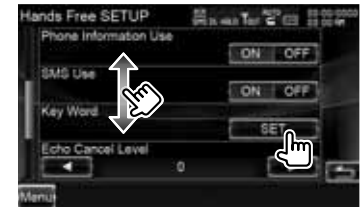
Key Word Voice Registration (DNX7/ DDX8 series)

Registers the voice to select the Phone number category by Voice Recognition.

1 Display the Hands Free Setup screen

See <Setting Up the Hands-Free Phone> (page 65).

2 Display the Key Word List screen



3 Select the Phone number category to register



1 Selects the Phone number category. "REC" turns on for data with voice for voice recognition already registered.

[Record] Registers voice for the selected Phone number category.

[Play] Plays voice registered for the selected Phone number category.

[Delete] Deletes voice registered for the selected Phone number category. Touch to display the confirmation screen. Touch [Yes] to delete or [No] to cancel.

4 Display voice registration screen



5 Say the voice to register (1st try)

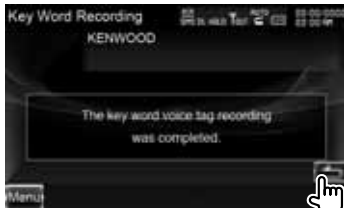


Say within 2 seconds after the Beep.

6 Say the voice to register (2nd try)

Say within 2 seconds after the Beep.

7 End voice registration



- A message is displayed if the voice is not recognized. Read the message for the further operation.
- Repeat from 1st try if the voice is different from the 1st try.

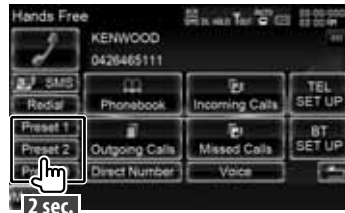
Phone Number Preset

Registers frequently used phone number to Hands Free control screen preset button.

1 Display the Hands-Free Control screen

See <Making a Call> (page 60).

2 Select the Preset number to register



- If no Preset number is registered, pressing this button momentarily moves to the step 3.

3 Select the search destination of the number to register



- [SMS] Registers from SMS received message list.
- [SMS] Registers from SMS sent message list.
- [Phonebook] Registers from Phonebook.
- [Outgoing Calls] Registers from outgoing calls list.
- [Incoming Calls] Registers from incoming calls list.
- [Missed Calls] Registers from missed calls list.
- [Direct Number] Registers by entering phone numbers.
- [Voice] Registers voice for voice recognition to preset number. (DNX7/

DDX8 series only)

[Memory] Registers the currently displayed phone number.

[Delete] Deletes the currently displayed phone number. Touch to display the confirmation screen. Touch [Yes] to delete or [No] to cancel.

4 Search phone number to register with each function

5 Register phone number



SMS (Short Message Service)

Uses SMS function.

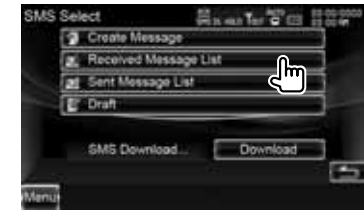
1 Display the Hands-Free Control screen

See <Making a Call> (page 60).

2 Display the SMS Select screen



3 Select a function



- [Create Message] Displays the SMS Create Menu screen. See <Create a message>.
- [Received Message List] Displays received message list.
- [Sent Message List] Displays sent message list.
- [Create Message] Displays the SMS Create Menu screen. See <Create a message>. The button will be active when any message has been created after power-on.
- [Download] Retrieves SMS messages from the cell-phone.

4 Select a message to display



- [1] Calls the number in the selected message.
- [DISP] Displays the selected message.
- [Read] Reads out the selected message. (DNX9960 only)

5 SMS Message screen



[**SMS**] Creates a new message for the selected message.

Create a message

1 Input the destination



[] Select a destination from the phonebook.

[**Direct Number**] Enter the phone number.

[**SET**] Display the Create SMS Message screen.

[**Send**] Sends the message.

[**Delete**] Deletes the Draft message. Touching the screen displays a confirmation message. Touch [Yes]. To cancel clearing, touch [No].



- This is displayed only when the Draft message is being edited.

2 Display the Create SMS Message screen



3 Create a message



[1] Enters characters.

[], [] Moves the cursor.

[], [] Scrolls up or down the character button display.

[**Shift**] Toggles between uppercase and lowercase.

[**qwe**] / [**abc**] / [**ALT**] Sets the key layout of the character buttons.
 abc : Alphabetical key layout.
 qwe : Qwerty key layout.
 ALT : Alternate key

[**Clear**] Erases the entered character.
 If touched more than 2 seconds, all the input characters are erased.

[**Space**] Enters a space.

[**SET**] Determines the message and returns to the SMS Create Menu screen.

4 Send the message

