

KENWOOD

7-Inch WIDE SCREEN MONITOR-RECEIVER

KVT-M707

INSTRUCTION MANUAL

Kenwood Corporation



© B64-3134-00/00 (EV)

Contents

Before Use	4	DAB Tuner control	28
Opening/Closing the Monitor and Power Switch	6	Displaying the Easy Control Panel	
Removing/Attaching the Protection Panel	7	Displaying the DAB Tuner Control screen	
KVT-M707 Basic operations	8	Displaying the DAB Tuner Menu screen	
Basic Operations of Remote Controller ...	10	Seek Mode	
Switch Screen Mode	12	Auto Ensemble Memory	
Muting Audio Volume upon Reception of Phone call	13	Service Preset Memory	
Tuner Control	14	Service Select	
Displaying the Easy Control Panel		Language Filter	
Displaying the Tuner Control screen		Search for Program Type	
Displaying the Tuner Menu screen		DAB Information	
Seek Mode		DAB Announcement	
Auto Memory			
Manual Memory			
Preset Select			
Direct Search			
Traffic Information			
Search for Program Type			
Radio Text			
Disc Changer/CD player Control.....	20	Character Entry.....	34
Displaying the Easy Control Panel		How To Use the Character Entry screen	
Displaying the Disc Changer/ CD player Control screen			
Displaying the Disc Changer/ CD player Menu screen		Source Select.....	35
Set Disc Name		Displaying the Control screen	
Disc Select (during play by disc changer)		Displaying the Source Select screen	
Direct Search			
TV Control	24	Adjusting the Monitor Display Position and Quality	36
Displaying the TV Picture screen		Displaying the Screen Control screen	
Displaying the Easy Control Panel		Displaying the Angle Control screen	
Displaying the TV Control screen			
Displaying the TV Menu screen			
Seek Mode			
Auto Memory			
Manual Memory			
Preset Select			
Set Station Name			

Setup Menu	
Setup Menu	37
Displaying the Control screen	
Displaying the Setup Menu screen	
Audio Set Up	38
Displaying the Audio Set Up screen	
Crossover Network Setup	
System Setup	40
Displaying the System Set Up 1 screen	
Displaying the System Set Up 2 screen	
AV Interface	42
Displaying the AV I/F 1 screen	
Displaying the AV I/F 2 screen	
Displaying the AV I/F 3 screen	
User Interface	44
Displaying the User I/F 1 screen	
Displaying the User I/F 2 screen	
Touch Panel Adjust	
Clock	
Security Code Setup	
Set Up Memory	
TV Setup	49
Displaying the TV1 Area Set screen	
Displaying the TV2 Area Set screen	
DAB Set Up	50
Displaying the DAB Set Up screen	
Announcement Selection	
RDS Setup	52
Displaying the RDS Set Up 1 screen	
Displaying the RDS Set Up 2 screen	
AMP Control	53
Displaying the AMP Control screen	
Sound Effects Menu	
Sound Effects Menu	54
Displaying the Control screen	
Displaying the Sound Effects Menu screen	
Audio Control	55
Displaying the Audio Control 1 screen	
Displaying the Audio Control 2 screen	
Equalizer	56
Displaying the Equalizer screen	
Tone curve setup	
Zone Control	58
Displaying the Zone Control screen	

Troubleshooting Guide	60
Specifications	62

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.

⚠ CAUTION

To prevent damage to the machine, take the following precautions:

- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not place the faceplate or the faceplate case in areas exposed to direct sunlight, excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- To prevent deterioration, do not touch the terminals of the unit or faceplate with your fingers.
- Do not subject the faceplate to excessive shock, as it is a piece of precision equipment.
- When replacing a fuse, only use a new fuse with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.

Audio units you can control from the KVT-M707 Receiver (As of April, 2005):

KTC-V500E, KTC-9090DAB, KHD-C710, KDC-CPS89, KDC-CPS87, KDC-CPS85, KDC-CPS82, KDC-C719, KDC-C717, KDC-C715, KDC-C712, KDC-C669, KDC-C667, KDC-C665, KDC-C662, KDC-C469, KDC-C467, KDC-C465, KDC-C462, KDV-C820, KDC-C719MP, KDC-D301, KDC-D300, KDC-D401, KMD-D400

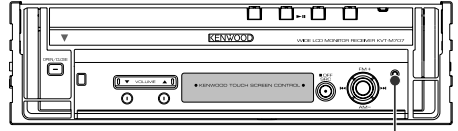
(Set the "O-N" switch to "N" position if provided.)

Navigation units you can control from the KVT-M707 Receiver (As of April, 2005):

KNA-DV3200, KNA-DV2200

NOTE

- If you experience problems during installation, consult your Kenwood dealer.
- If the unit fails to operate properly, press the Reset button to restore factory settings.

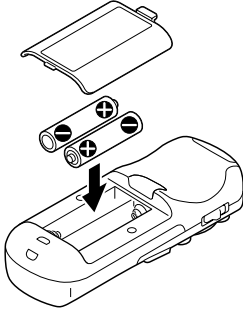


Reset button

- Characters in the LCD may become difficult to read in temperatures below 5 °C (41 °F).
- The characters conforming to ISO 8859-1 character set can be displayed.
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable.
- Time is displayed on each control screen in the 12 hour clock display type (with AM/PM displayed) or in the 24 hour clock display type (without AM/PM displayed) depending on the sales area. The display type cannot be changed. In this instruction manual, screens of the 24 hour display type are used as examples.

Loading and Replacing the battery

1. Use two "R03"/ "AAA"-size batteries.
Slide the cover while pressing downwards to remove it as illustrated.
2. Insert the batteries with the + and – poles aligned properly, following the illustration inside the case.



▲WARNING

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



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



- The provided batteries are intended for use in operation checking, and their service life may be short.
- When the remote controllable distance becomes short, replace both of the batteries with new ones.

Cleaning the panel and monitor

When the operator panel and monitor panels are dirty, wipe and clean them using a soft cloth (such as a commercially available silicon coated cloth). When contaminated excessively, clean them using a cloth dipped in a neutral detergent first, then remove the detergent using a dry cloth.

Do not use a hard cloth and a volatile chemical (such as an alcohol). If used, the panel surface may be scratched or printed letters may be erased.

Cleaning the Faceplate Terminals

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

Explanation of icons used on this manual



Indicates the key operation on the receiver.



Indicates the button you must touch.



Indicates the key or joystick operation on the remote controller.



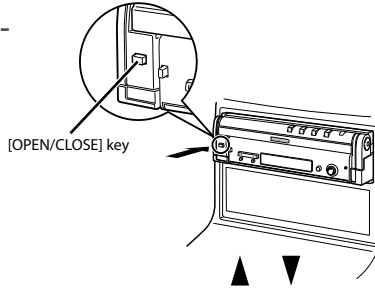
The initial value of each setup is shown.



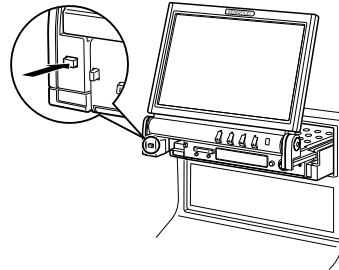
Gives an additional information or an operation advice.

Opening/Closing the Monitor and Power Switch

Open the monitor

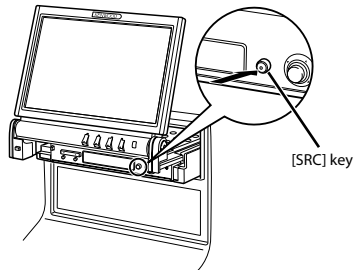


Close the monitor



Turn the power on

Hold down the [SRC] key more than one second to turn it off.



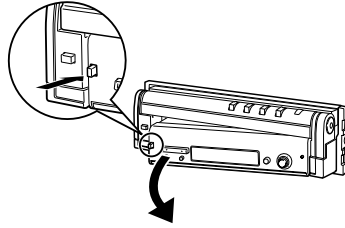
- Do not touch the moving components when you are opening or closing the monitor. If you touch the moving components, you may be hurt or the equipment may be damaged.
- Do not try to open or close the monitor by hand.



- You can automatically open or close the monitor when you turn on or off the ignition key (see page 36).
- If the monitor movement is stopped by the shift lever or another obstacle when the monitor is opened, this movement is canceled by the safety function. If an obstacle is pinched by the monitor when closed, the monitor movement is also canceled by the safety function. If it has occurred, remove the obstacle and press the [OPEN/CLOSE] key again.

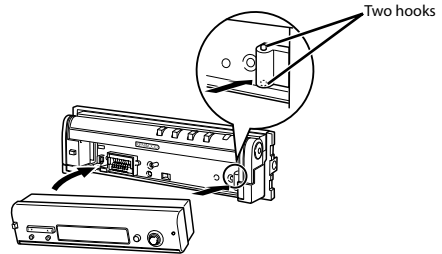
Removing/Attaching the Protection Panel

Remove the protection panel



Attach the protection panel

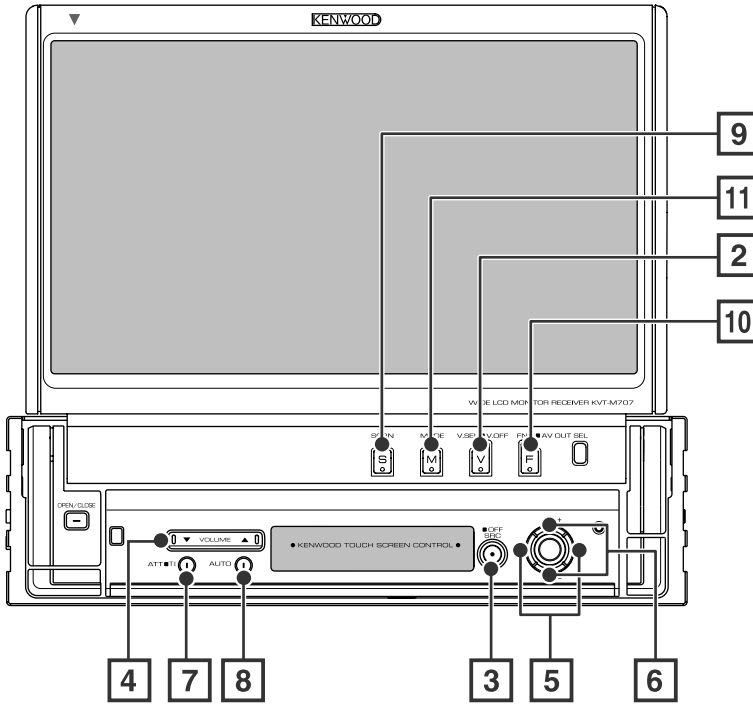
Place the right end of the protection panel onto hooks and push it until clicked and locked. Then, push the left end of the panel to lock it.



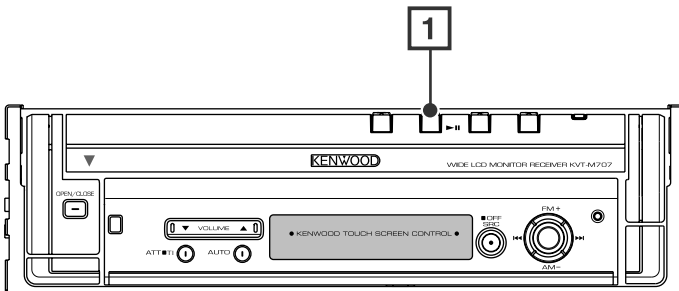
- Close the monitor first, then remove or attach the protection panel.
- After you have removed the protection panel, you cannot operate the receiver.
- After you have removed the protection panel, you can flash the burglar alarm lamp (see page 46).

KVT-M707 Basic operations

■ When the monitor is open



■ When the monitor is closed

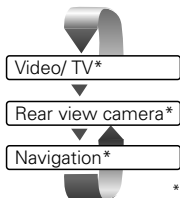


1 Play/Pause
[▶||] key

Pauses and replays a disc.

2 Video Source Selection
[V.SEL] key

Video source selection changes in the following order each time you press the key.



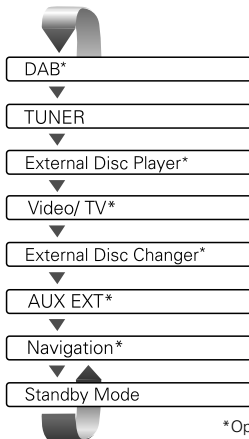
*Optional accessory

You can also turn off the video display by pressing the key longer than 1 second.

When you press the key again, the previous video display comes back on.

3 Audio Source Selection/Power Supply
[SRC] key

Audio source selection changes in the following order each time you press the key.



*Optional accessory

You can also turn off the power by pressing the key longer than 1 second.

When you press the key again, the power turns on. Push it again to turn the power on.

4 Volume Controls
[VOLUME] key

5 Track/Station Selectors
[◀◀1]/[▶▶] key

Selects a music, chapter, track, or frequency.

6 Band/Folder Selectors
[FM]/[AM] key

[FM] key switches to the FM1/2/3 band or next folder/disc.

[AM] key switches to the AM band or previous folder/disc.

7 Attenuator/Traffic Information
[ATT]/[TI] key

Attenuates the volume.

Press it again to cancel muting.

Press it for more than one second to turn the Traffic Information function on or off. (see page 18)

8 Select Seek Mode
[AUTO] key

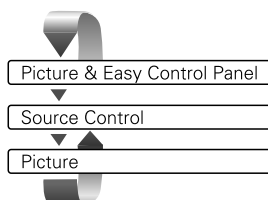
Selects the Seek mode. (see pages 16/26/30 for the <Seek Mode>)

9 Screen Setup
[SCRN] key

Displays the Screen Control or Angle Control screen. (see page 36)

10 Function
[FNC] key

The video source function changes in the following order each time you press the key.



Switches the source that is output at the AV OUTPUT terminal when it is pressed more than 1 second.

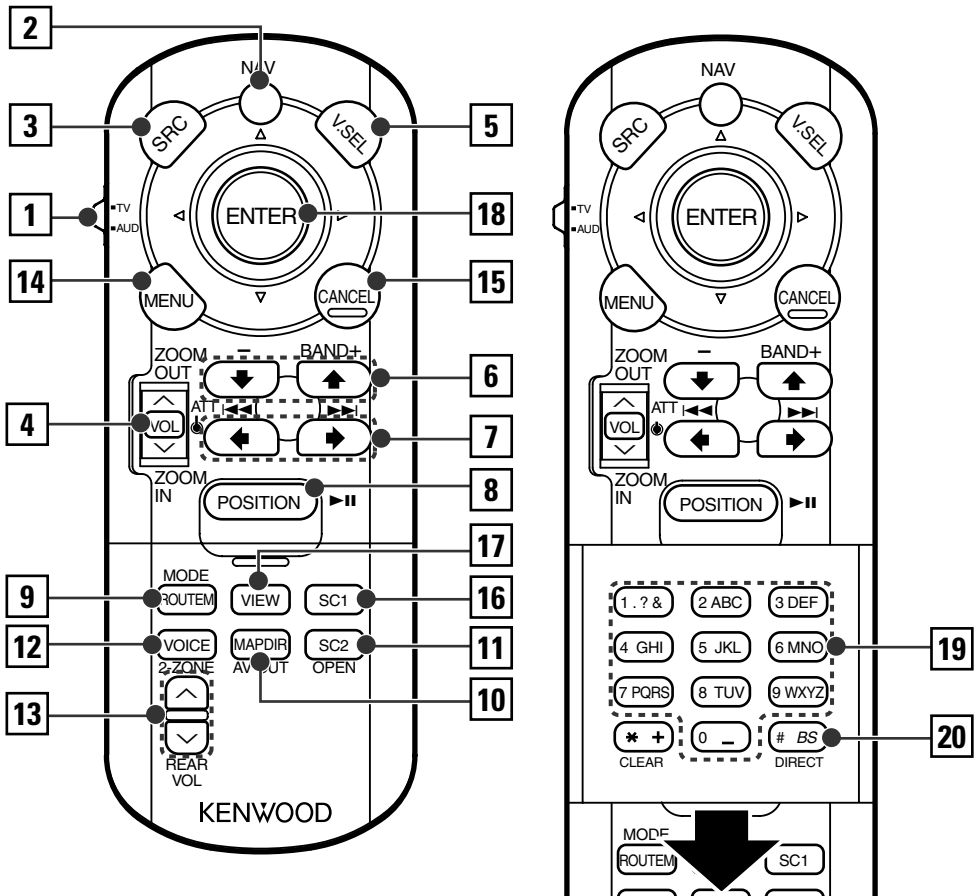
11 Switch Screen Mode
[MODE] key

Switches the screen mode. (see page 12)



- Aside from the navigation system, the display turns on when you apply the parking brake.
- It is necessary to set "Navigation Source" of <AV Interface> to "On" to add Navigation as an audio source that can be selected with the [SRC] key. (see page 43)
- It is necessary to engage the shift knob of car to "Reverse" to switch to rear view camera video display.

Basic Operations of Remote Controller



1 Remote Control Mode selector

Selects one of the following remote control modes.
 TV: TV source
 AUD: Tuner source or attached disc changer/disc player source

2 [NAV] switch

Pressing the switch until it locks enters into the navigation system control mode. Pressing the switch again returns to the AV control mode.

3 [SRC] key

Audio source changes each time you press the key.

4 [VOL] key

TUNER TV DISC

Adjusts the volume.

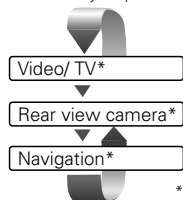
When you press the key, the volume attenuates. When you press the key again, the volume returns to the previous level.

NAV

Zooms in or out the navigation map.

5 **[V.SEL] key**

Video source selection changes in the following order each time you press the key.



*Optional accessory

6 **[BAND] key**

TUNER

+: Switches to the FM1, FM2, or FM3 band.

-: Switches to the AM band.

TV

BAND: Switches to TV1, TV2, or VIDEO.

DISC

+: Selects next disc.

-: Selects previous disc.

NAV

Selects a icon.

7 **[<<|>] / [>>|<] key**

TUNER

Selects a station.

TV

Selects a channel.

DISC

Selects a track.

NAV

Selects an icon or scrolls horizontally.

8 **[▶||] key**

DISC

Plays or pauses.

TUNER TV

Selects the Seek mode.

(see page 16/26/30 for the <Seek Mode>)

NAV

Displays the current position.

9 **[MODE] key**

Switches the Screen mode. (see page 12)

NAV

Displays Route Option menu.

10 **[AV OUT] key**

TUNER TV DISC

Selects an AV source to be output at the AV OUTPUT port.

NAV

Changes the map direction.

Switches between the heading up navigation and north up navigation map displays.

11 **[OPEN] key**

TUNER TV DISC

Opens or closes the monitor each time you press the key.

NAV

Jumps to the function registered in Shortcut 2.

12 **[2-ZONE] key**

TUNER TV DISC

Turns Zone function on or off each time you press the key.

(see page 58 for the <Zone Control>)

NAV

Plays Voice guidance.

13 **[REAR VOL] key**

TUNER TV DISC

You can adjust the rear channel volume when Zone function is on.

14 **[MENU] key**

NAV

Displays Main menu.

15 **[CANCEL] key**

NAV

Displays previous screen (same as the [Return] button on the navigation screen).

16 **[SC1] key**

NAV

Jumps to the function registered in Shortcut 1.

17 **[VIEW] key**

NAV

Switches between 2D and 3D map displays.

18 **Joystick**

NAV

Also performs the selected function when you press the button down.

19 **[0] – [9] key**

TUNER TV

[1-7&] [6.MIND] : Recall the stations on memory.

NAV

You can enter a character/number.

20 **[DIRECT] key**

Selects the Direct Search mode.

(see pages 18/23 for <Direct Search>)



- It is necessary to engage the shift knob of car to "Reverse" to switch to rear view camera video display.

TUNER : An operation during FM/AM broadcasting source

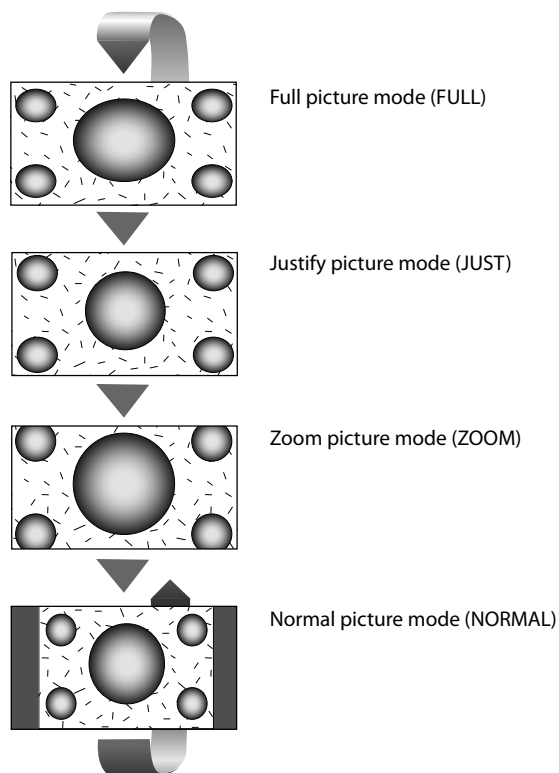
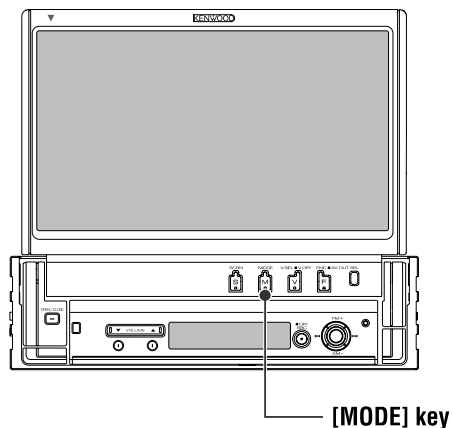
TV : An operation during TV source (optional accessory)

DISC : An operation during disc source (optional accessory) playback

NAV : An operation during Navigation system (KNA-DV2200, KNA-DV3200: optional accessory) control mode

Switching Screen Mode

The Screen mode of the monitor changes each time the [MODE] key is pressed.



- When you select the Menu, Easy Control screen, or Navigation, the display is shown in the full-size display mode automatically. The screen mode of these displays cannot be changed.
- You can set the screen mode for each of the TV and video images.

Muting Audio Volume upon Reception of Phone call

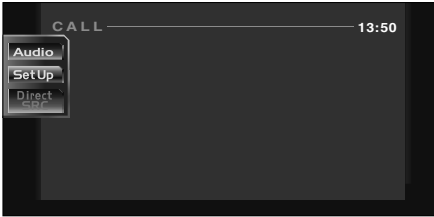
Muting Audio Volume upon Reception of Phone call

The system automatically attenuates the audio volume when receiving a phone call.

When the telephone is called...

The Phone Call ("CALL") screen appears, and the system automatically attenuates the audio volume.

Phone Call ("CALL") screen



If you want to continue to listen to the audio source during phone call...



The system resumes audio play during the phone call.

When the call ends...

Hang up the phone.

The system resumes playing automatically.

Tuner Control

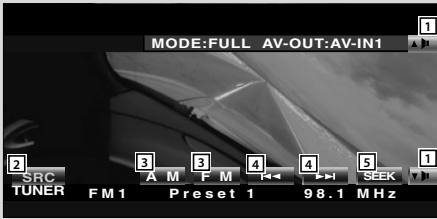
Various control screens appear in the Tuner Source mode.

Displaying the Easy Control Panel

The Tuner Control Panel is displayed in a floating position of the selected picture.



Displaying the Easy Control Panel



- 1 Adjusts the volume.
- 2 Switches the source.
- 3 Switches the band (to AM or FM1/2/3).
- 4 Tunes in a station.
- 5 Switches the Seek mode.
(see page 16 for the <Seek Mode>)



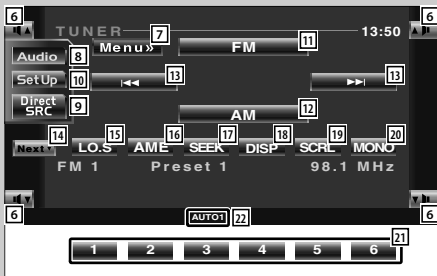
- For receiver key operations, see <KVT-M707 Basic Operations> (see page 8).
- The Easy Control Panel is hidden when you touch a central part of monitor.

Displaying the Tuner Control screen

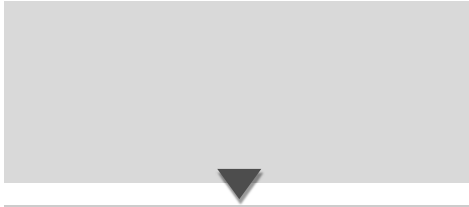
You can tune in a station using various functions.



Tuner Control screen



- 6 Adjusts the volume.
- 7 Calls the Tuner Menu.
- 8 Calls the Sound Effects Menu. (see page 54)
- 9 Displays the Source Select screen. (see page 35)
- 10 Calls the Setup Menu. (see page 37)
- 11 Switches to the FM1/2/3 band.
- 12 Switches to the AM band.
- 13 Tunes in a station.
Use the <Seek Mode> (see page 16) to change the frequency switching.
- 14 Switches between **1** to **6** buttons and Function buttons to use.
- 15 Turns the Local Seek function On or Off.
- 16 Selects the Auto Memory mode.
(See page 16 for the <Auto Memory>)
- 17 Switches the Seek mode.
(see page 16 for the <Seek Mode>)
- 18 Selects the Program Service Name, or Radio Text mode for text display.
- 19 Scrolls the display text.
- 20 Select the Monaural reception mode. (Only when receiving the FM broadcast)



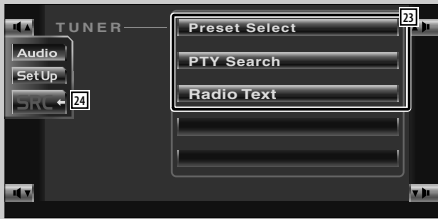
Displaying the Tuner Menu screen

You can select menu options using various functions.



Menu»

Tuner Menu screen



21 When **1** to **6** buttons appear, you can recall the stations on memory.

For memory of broadcasting stations, see <Auto Memory> (see page 16) or <Manual Memory> (see page 17).

22 Indicates current Seek mode.

23 Selects option from various function menus.

24 Returns to the Tuner Control screen.



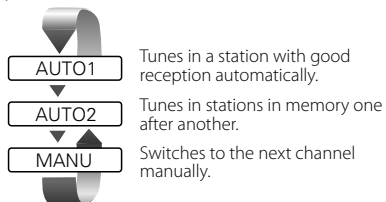
- The available functions vary depending on the model used (the tuner specifications and the broadcasting system that can be received).

Seek Mode

Sets a station selection.



If **SEEK** is not shown, touch **Next**.
The mode is switched in following order each time you touch the button.



Auto Memory

Stores stations with good reception in memory automatically.

1 Select a band you wish to store in memory



2 Select the Auto Memory mode



If **AME** is not shown, touch **Next**.

3 Start Auto Memory



Touch  or .

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 Select a station you wish to store in memory



2 Store in memory



If **1** to **6** are not shown, touch **Next**.
Continue to touch until the memory number appears.

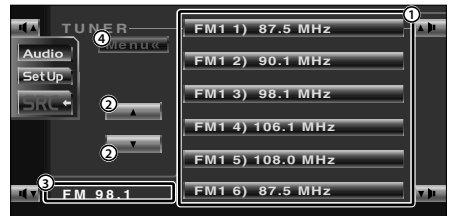
Preset Select

Lists and tunes in stations in memory one after the other.

1 Call the Tuner Menu



2 Call the Preset Select Menu

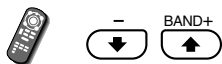


- ① Tunes in the displayed station.
- ② Switches the band of the displayed station list.
- ③ Shows the band and frequency.
- ④ Returns to the Tuner Menu.

Direct Search

Tunes in a station when its frequency is entered.

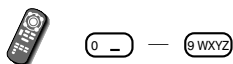
1 Select a band



2 Select the Direct Search mode



3 Enter frequency

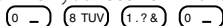


When you enter them, signal reception starts.

Example: When you receive FM 92.1 MHz



Example: When you receive AM 810 kHz



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

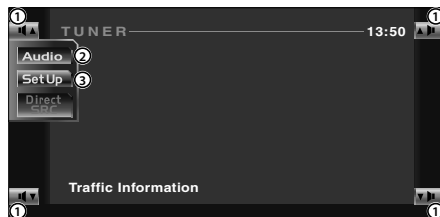
Traffic Information

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

When the traffic bulletin starts...

The Traffic Information screen appears automatically.

Traffic Information screen



- ① Adjusts the volume.
- ② Calls the Sound Effects Menu. (see page 54)
- ③ Calls the Setup Menu. (see page 37)

If you continue to listen to the audio source during traffic bulletin...



- 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 for Program Type

A program is tuned when you set its program type.

1 Call the Tuner Menu



2 Call the PTY Search Menu



- ① Selects a program type.
- ② Scrolls the program type list.
- ③ Searches for the program type.
It is displayed when the Program Type is selected.
- ④ Returns to the Tuner Menu.

3 Select a program type



4 Search for the program type



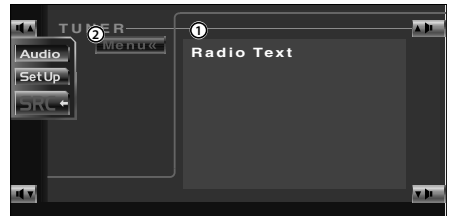
Radio Text

You can display the radio text.

1 Call the Tuner Menu



2 Display the Radio Text



- ① Displays the Radio Text.
- ② Returns to the Tuner Menu.

Disc Changer/CD player Control

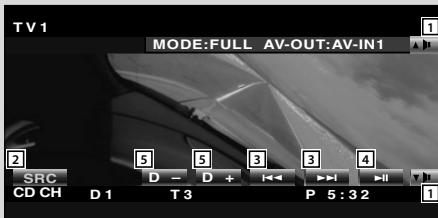
You can recall various control screens during Disc Changer/CD player playback. (with the optional accessory Disc Changer or CD player connected only)

Displaying the Easy Control Panel

The Disc Changer/CD player Control Panel is displayed in a floating position of the selected picture.



Displaying the Easy Control Panel
During playback on disc change



During playback on CD player



- 1 Adjusts the volume.
- 2 Switches the source.
- 3 Selects a track.
- 4 Plays or pauses.
- 5 Selects a disc when a disc is played back on the disc changer.



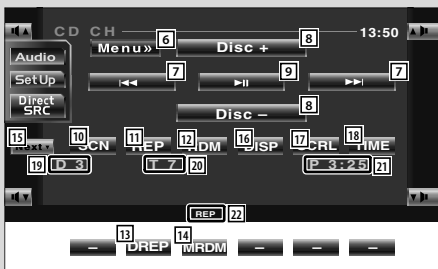
- For Disc Changer/CD player playback and receiver key operations, see <KVT-M707 Basic Operations> (see page 8).
- The Easy Control Panel is hidden when you touch a central part of the monitor.

Displaying the Disc Changer/ CD player Control screen

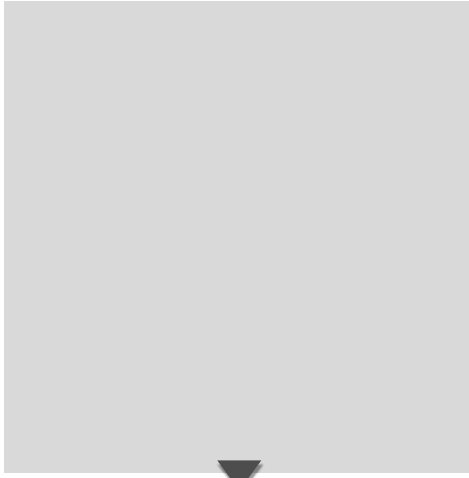
You can play the Disc Changer/CD player using various functions.



Disc changer/CD player Control screen



- 6 Calls the Disc Changer/ CD player Menu.
- 7 Selects a track.
Starts Fast Forward or Fast Rewind when it is held down.
- 8 Selects a disc. (Function of Disc Changer)
- 9 Plays or pauses.
- 10 Starts or stops Scan Play (that plays the beginning of each track one after the other).
- 11 Repeats to play (the current track).
- 12 Starts or stops Random Play (to play track in random order).
- 13 Repeats to play disc (the current disc). (Function of Disc Changer)
- 14 Starts or stops Magazine Random Play (to play track of the disc changer in random order). (Function of Disc Changer)
- 15 Switches the button display.



- 16 Selects the Disc Name (see page 22 for the <Set Disc Name>), Disc Text, or Track Text mode for text display.
- 17 Scrolls the display text.
- 18 Switches the play time display between Track, Disc, and Disc Remaining Time.
- 19 **Shows Disc Number.** (Function of Disc Changer)
- 20 **Shows Track Number.**
- 21 **Shows Play Time.**
- 22 **Shows current playback function.**



- The functions that can be used and the information that can be displayed will differ depending on the models being connected.
- The information shown will be different depending on the CD Changer or CD player being used.

Displaying the Disc Changer/ CD player Menu screen

You can select menu options using various functions.



Menu»

CD Menu screen



- 23 Selects options from various function menus.
- 24 Returns to the Disc Changer/CD player Control screen.



- The available functions vary depending on the source used.

Set Disc Name

Names a CD.

1 Play a CD you wish to name

2 Call the CD/Disc Changer Menu



3 Select the Set Name mode



- The **Name Set** position varies depending on the disc you are playing.

4 Enter a name

For character entry details, see <Character Entry> (see page 34).

5 Exit the Set Name mode



- You cannot name an MD or MP3/WMA disc.
- Number of discs that can be stored in memory: Varies depending on the CD changer/ player. Refer to the CD changer/ player manual.
- You can set a disc name only after you have applied the parking brake.

Disc Select (during play by disc changer)

The discs loaded on the disc changer are listed for quick disc selection.

1 Call the Disc Changer Menu



2 Call the Disc Select Menu



- ① Plays the displayed disc.
- ② Selects the Disc Name or Disc Text mode for text display.
- ③ Scrolls the list.
(It is not displayed when a disc changer having 6 or less discs is used.)
- ④ Returns to the Disc Changer/ CD Menu.

3 Select the desired disc

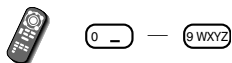


Touch the desired disc display.

Direct Search

Searches for a disc or a track when its number is entered.

1 Enter a disc or track number



2 Search

When searching for a track:



When searching for a disc:



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

TV Control

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

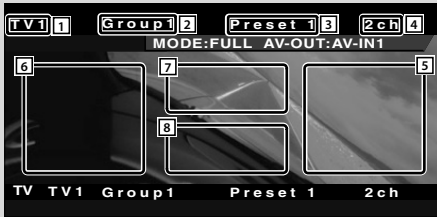
Displaying the TV Picture screen

Various control screens appear in the TV Source mode.



Select the TV Pictures.

TV Picture screen



- 1 TV Band Number Display
- 2 TV Area Group Display (see page 49)
- 3 Memory Number Display
- 4 Channel Number Display
- 5 Channel Up Area
Increase the channel.
- 6 Channel Down Area
Decrease the channel.
- 7 Band/Video Switch Area
Switches to TV1, TV2, VIDEO1, or VIDEO2.
- 8 Information Display Button Area



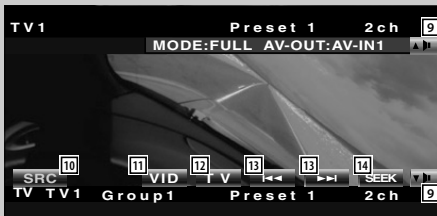
- For TV picture selection and receiver key operations, see <KVT-M707 Basic Operations> (see page 8).
- The information display is cleared automatically after approximately 5 seconds. Also, the information can be displayed automatically when it is updated (see page 44).

Displaying the Easy Control Panel

The Control Panel is displayed in a floating position of the TV picture.



Displaying the Easy Control Panel



- 9 Adjusts the volume.
- 10 Switches the source.
- 11 Switches to Video (to VIDEO1 or VIDEO2).
- 12 Switches the TV band (to TV1 or TV2).
- 13 Calls up a channel.
- 14 Switches the Seek mode.
(see page 26 for the <Seek Mode>)



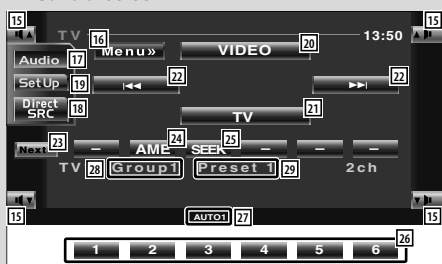
- The Easy Control Panel display is hidden when you touch a central area of the monitor.

Displaying the TV Control screen

You can tune in a TV station using various functions.



TV Control screen



- 15 Adjusts the volume.
- 16 Calls the TV Menu.
- 17 Calls the Sound Effects Menu. (see page 54)
- 18 Displays the Source Select screen. (see page 35)
- 19 Calls the Setup Menu. (see page 37)
- 20 Switches to VIDEO1 or VIDEO2.
- 21 Switches to TV1 or TV2.
- 22 Select a channel.
Use the <Seek Mode> (see page 26) to change the channel tuning sequence.
- 23 Switches between **1** to **6** buttons and Function buttons to use.
- 24 Selects the Auto Memory mode. (see page 26 for the <Auto Memory>)
- 25 Switches the Seek mode. (see page 26 for the <Seek Mode>)
- 26 When **1** to **6** buttons appear, you can recall channels on memory.
For memory of broadcasting stations, see <Auto Memory> (see page 26) or <Manual Memory> (see page 26).
- 27 **Seek Mode Indicator**
- 28 **TV Area Group Display** (see page 49)
- 29 **Memory Number Display**


Displaying the TV Menu screen

You can select menu options using various functions.



TV Menu screen



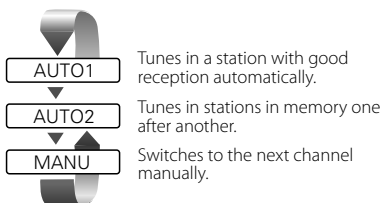
- 30 Selects options from various function menus.
 - 31 Returns to the TV Control screen.
-  • The available functions vary depending on the model used (the tuner specifications and the broadcasting system that can be received).

Seek Mode

Sets a station selection.



If **SEEK** is not shown, touch **Next**.
The mode is switched each time you touch the button.



Auto Memory

Stores stations with good reception in memory automatically.

1 Select a band you wish to store in memory



2 Select the Auto Memory mode



If **AME** is not shown, touch **Next**.

3 Start Auto Memory



Touch  or .

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 Select a channel you wish to store in memory



2 Store in memory



If **1** to **6** are not shown, touch **Next**.
Continue to touch until the memory number appears.

Preset Select

Lists and tunes in stations in memory one after the other.

1 Select a band you wish to call



2 Call the TV Menu



3 Call the Preset Select Menu



- ① Tunes in the displayed station.
The station name is displayed if previously set.
- ② Returns to the TV Menu.

Set Station Name

Names a station.

1 Select a station you wish to name



2 Call the TV Menu



3 Select the Set Name mode



4 Enter a name

For character entry details, see <Character Entry> (see page 34).

5 Exit the Set Name mode



- You can store up to 20 stations in memory.
- You can set a station name only after you have applied the parking brake.

DAB Tuner control

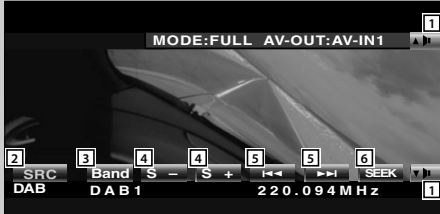
Various control screens appear in the DAB Tuner source mode. (with the optional accessory DAB tuner connected only)

Displaying the Easy Control Panel

The DAB Tuner Control Panel is displayed in a floating position of the selected picture.



Displaying the Easy Control Panel



- 1 Adjusts the volume.
- 2 Switches the source.
- 3 Switches the band (to DAB1/2/3).
- 4 Selects a service.
- 5 Selects the Ensemble.
- 6 Switches the Seek mode.
(see page 30 for the <Seek Mode>)



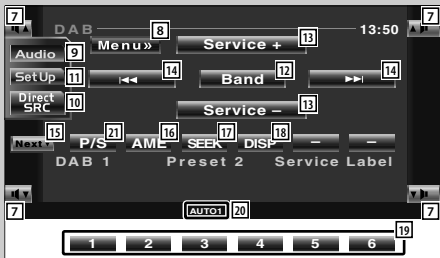
- For system key operations, see <KVT-M707 Basic Operations> (see page 8).
- The Easy Control Panel display is hidden when you touch the central area of the monitor.

Displaying the DAB Tuner Control screen

You can select the Ensemble and services using various functions.



DAB Tuner Control screen



- 7 Adjusts the volume.
- 8 Calls the DAB Tuner Menu.
- 9 Calls the Sound Effects Menu. (see page 54)
- 10 Displays the Source Select screen. (see page 35)
- 11 Calls the Setup Menu. (see page 37)
- 12 Switches the band (to DAB1/2/3).
- 13 Selects a service.
- 14 Selects the Ensemble.
- 15 Switches between **1** to **6** buttons and Function button to use.
- 16 Selects the Auto memory mode.
(see page 30 for the <Auto Ensemble memory>)
- 17 Switches the Seek mode.
(see page 30 for the <Seek Mode>)
- 18 Changes the display between Ensemble label, PTY label, Component label, Region label, and Audio quality.
- 19 When **1** to **6** buttons appear, you can recall a service from memory.
- 20 **Seek Mode Indicator**
- 21 Selects the primary or secondary operation.

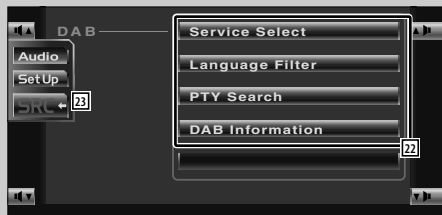
Displaying the DAB Tuner Menu screen

You can select menu options using various functions.



Menu»

DAB Tuner Menu screen



[22] Selects options from various function menus.

[23] Returns to the DAB Tuner Control screen.



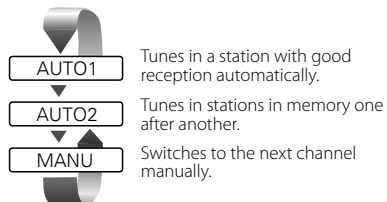
- For DAB Tuner function details, see the Instruction Manual of DAB Tuner (optional accessory).

Seek Mode

Sets a station selection.



If **SEEK** is not shown, touch **Next**.
The mode is switched each time you touch the button.



Auto Ensemble Memory

An ensemble with good reception is stored in memory automatically.

1 Select a band you wish to store in memory



2 Select the Auto Memory mode



If **AME** is not shown, touch **Next**.

3 Start Auto Memory



Touch  or .

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

Service Preset Memory

The current receiving service is stored in memory.

1 Select a service you wish to store in memory



2 Store in memory



If **1** to **6** are not shown, touch **Next**.
Continue to touch until the memory number appears.

Service Select

The service list of the currently receiving ensemble is displayed for your selection.

1 Call the DAB Tuner Menu



2 Call the Service Select Menu



- ① Selects a service.
- ② Scrolls the service list.
- ③ Returns to the DAB Tuner Menu.

3 Select a service



Language Filter

The languages are list for your selection.

1 Call the DAB Tuner Menu



2 Call the Language Filter Menu



- ① Selects a language.
- ② Searches for the selected language.
- ③ Returns to the DAB Tuner Menu.

3 Select a language you wish to use



4 Search for the language



Search for Program Type

The services are received when you set its program type.

1 Call the DAB Tuner Menu



Menu»

2 Call the PTY Search Menu



PTY Search



- ① Selects a program type.
- ② Searches for the program type.
- ③ Displays the Language select screen.
- ④ Returns to the DAB Tuner Menu.

3 Select a program type



Select a Language

1. Display the Language select screen



LANG



- ① Selects a Language.
- ② Searches for the program type.
- ③ Returns to the PTY Search Menu.

2. Select a Language



4 Search for the program type



SRCH

DAB Information

The DAB information is displayed.

1 Call the DAB Tuner Menu



2 Display the DAB Information screen



- ① Displays the DAB information (such as Service label, Ensemble label, Component label, Audio quality, Region label, and Dynamic label).
- ② Scrolls the information display.
- ③ Returns to the DAB Tuner Menu.

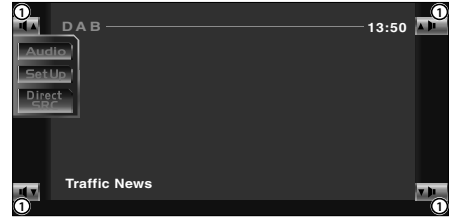
DAB Announcement

When the Announcement you have turned on starts, any source is switched to the Announcement automatically.

When the announcement starts...

The Announcement screen appears automatically.

Announcement screen



- ① Adjusts the volume.

How To Use the Character Entry screen

When you select the Set Disc Name mode or others, the following screen appears for character entry.

Character Entry screen



- 1 Adjusts the volume.
- 2 Shifts the cursor.
- 3 Enters a space.
If you erase a character, locate the cursor on it and touch this button.
- 4 Enters characters.
- 5 Scrolls up or down the character button display.
- 6 Exits the Character Entry mode and returns to the previous screen.



- You can enter characters only after you have applied the parking brake.

Source Select

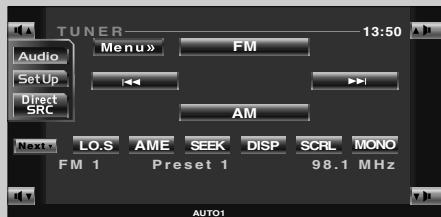
The source you wish to listen to can be selected quickly.

Displaying the Control screen



Press this key several times until the Control screen appears.

Control screen

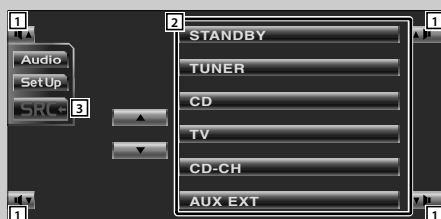


- The Source Select screen can be displayed from the control screen of any source.

Displaying the Source Select screen



Source Select screen



- 1 Adjusts the volume.
- 2 Select the source.
- 3 Returns to the Control screen previously displayed.

Adjusting the Monitor Display Position and Quality

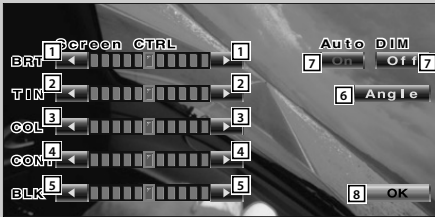
You can adjust the position and picture quality of the monitor.

Displaying the Screen Control screen

You can adjust the picture quality using the following keys.



Screen Control screen



- 1 **Brightness Control**
Disabled if the Auto Dimmer is On.
- 2 **Tint Control**
Displayed for an NTSC system image on TV or Video.
- 3 **Color Control**
Displayed on the TV/Video screen only.
- 4 **Contrast Control**
- 5 **Black Level Adjustment**
- 6 Displays the Adjust Monitor Position screen.
(see page 36 for the <Displaying the Angle Control screen>)
- 7 **Auto Dimmer Setup**
When turned "On", the display is dimmed automatically when the ambient becomes dark.
- 8 Returns to the previous screen.



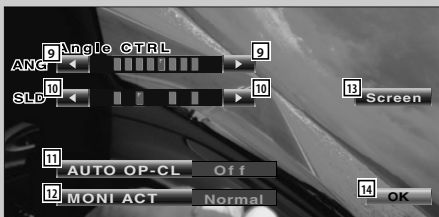
- The Screen Control screen is displayed only when you have applied the parking brake.

Displaying the Angle Control screen

You can set the monitor position and open/close speed.



Angle Control screen



- 9 **Monitor Angle Adjustment**
- 10 **Forward/Backward Monitor Position Adjustment**
- 11 **Monitor Open/Close Setup**
When turned "On", the monitor is opened or closed automatically when you turn on or off the ignition key.
- 12 **Monitor Action Setup**
When set to "Quick", the monitor is opened quickly.
- 13 Returns to the Screen Control screen.
- 14 Returns to the previous screen.

Setup Menu

Setup Menu

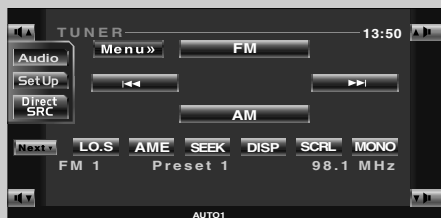
You can set up various receiver parameters.

Displaying the Control screen



Press this key several times until the Control screen appears.

Control screen

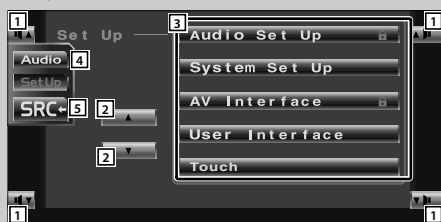


- You can call the same Setup Menu for the Control screen of each source.

Displaying the Setup Menu screen



Setup Menu screen



- 1 Adjusts the volume.
- 2 Scrolls the Setup Menu.
- 3 Calls each Setup Menu.
- 4 Calls the Sound Effects Menu. (see page 54)
- 5 Returns to the Control screen of the previous source.



- Your setup on the Sound Effects menu is adjusted automatically according to your <Audio Set Up> (see page 38) on the Setup menu. We recommend you to complete the <Audio Set Up> first, then set up the <Sound Effects menu>.
- The available functions vary depending on the model used (the tuner specifications and the broadcasting system that can be received).

Audio Set Up

You can setup a speaker network, etc.

Displaying the Audio Set Up screen



- 1 Adjusts the volume.
- 2 Returns to the Control screen of the previous source.
- 3 Calls the Sound Effects Menu. (see page 54)
- 4 Calls the Setup Menu.
- 5 Displays the X'Over setup screen. (see page 39)
- 6 Sets up the front speaker type to fine-tune for the optimal equalizer curves.
"Standard": Setup for general diameter speakers
"Narrow": Setup for small diameter speakers
"Middle": Setup for middle diameter speakers
"Wide": Setup for large diameter speakers
- 7 Set the use or no use of Subwoofer.

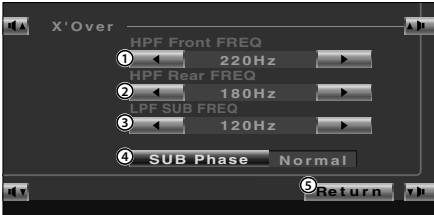
Crossover Network Setup

You can set a crossover frequency of speakers.



X'Over (Page 38 [5](#))

X'Over setup screen



- ① Sets a Front High Pass Filter frequency.
You can select any of the following frequency.
Through, 40, 60, 80, 100, 120, 150, 180, 220 Hz
- ② Sets a Rear High Pass Filter frequency.
You can select any of the following frequency.
Through, 40, 60, 80, 100, 120, 150, 180, 220 Hz
- ③ Sets a Subwoofer Low Pass Filter frequency.
You can select any of the following frequency.
50, 60, 80, 100, 120, Through Hz
- ④ Sets the phase of subwoofer output.
The phase is reversed 180 degrees when set to "Reverse".
- ⑤ Returns to the Speaker setup screen.



- Set in both the front channel and rear channel simultaneously when using high pass filter function.
You cannot set a correct crossover network if the high pass filter function is only used for one channel.
- The SUB Phase button is not displayed when the Subwoofer Low Pass Filter is set to "Through".

System Setup

You can set up the system parameters.



- 1 Adjusts the volume.
- 2 Returns to the Control screen of the previous source.
- 3 Calls the Sound Effects Menu. (see page 54)
- 4 Calls the Setup Menu.
- 5 Turns the key touch tone On or Off. (On)
- 6 Allows scrolling of text display on the Source Control screen. (Manual)
"Auto": Scrolls the screen automatically.
"Manual": Allows you to scroll the screen manually.
- 7 Selects a remote control signal. (On)
When turned "Off", the remote control of TV reception is rejected.
- 8 Displays the System Set Up 2 screen.




- If **System Set Up** is not shown, touch  or  to display it.

Displaying the System Set Up 2 screen



System Set Up 2 screen



- 9 Selects an illumination color of receiver keys.
( Red)
"Green": Green
"Red": Red
- 10 Displays the System Set Up 1 screen.

AV Interface

You can set audio and visual (AV) interface parameters.

Displaying the AV I/F 1 screen



- 1 Adjusts the volume.
- 2 Calls the Sound Effects Menu. (see page 54)
- 3 Calls the Setup Menu.
- 4 Selects a navigation system connection. (📁 RGB)
"RGB": Allows the Kenwood's Navigation System to connect via its interface cable.
"AV-IN1": Allows a third-party navigation system to connect via the AV INPUT1 port.
"Off": Must be used if no navigation system is connected. (The navigation display is cancelled when the AV source is switched.)
- 5 Sets a name to be displayed when you select a system that is connected via the AV INPUT1 port. (📁 VIDEO1)



- If you have set the navigation system connection to "AV IN1", the display is fixed to "NAV".
- 6 Sets an image display of the system that is connected via the AV INPUT2 port. (📁 Off)
"Off": When the image source is switched, an image entered via the AV INPUT2 port is displayed.
"On": When an image signal is entered via the AV INPUT2 port, this image is displayed.
 - 7 Sets a name to be displayed when you select an image of the system that is connected via the AV INPUT2 port. (📁 VIDEO2)
 - 8 Displays the AV I/F 2 screen.

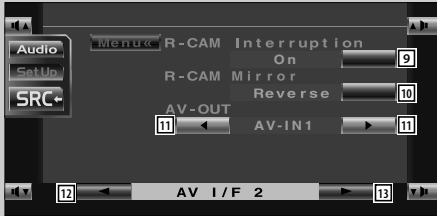


- If **AV Interface** is not shown, touch  or  to display it.

Displaying the AV I/F 2 screen



AV I/F 2 screen

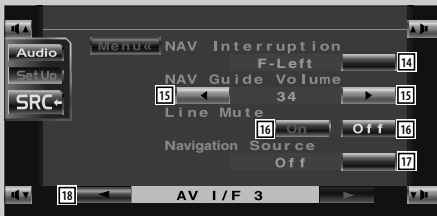


- 9 Sets a method to switch to the rear view camera video display. (🔍 Off)
"On": Switches to the the rear view camera video display when engaging the shift knob of car to "Reverse".
"Off": Switches to the the rear view camera video display when engaging the shift knob of car to "Reverse" and then pressing the [V.SEL] switch several times.
- 10 You can flip the left and right of the rear view camera video display. Set to "Reverse" and the rear view will be displayed left and right in mirror image on the screen. (🔍 Normal)
- 11 Selects an AV source to be output at the AV OUTPUT port. (🔍 AV-IN1)
- 12 Displays the AV I/F 1 screen.
- 13 Displays the AV I/F 3 screen.

Displaying the AV I/F 3 screen



AV I/F 3 screen

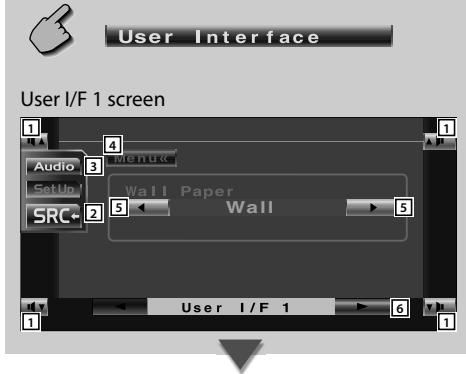


- 14 Selects speakers used for voice guidance of the navigation system. (🔍 F-Left)
"F-Left": Uses the front left side speaker for voice guidance.
"F-Right": Uses the front right side speaker for voice guidance.
"Front-All": Uses both front speakers for voice guidance.
- 15 Adjusts the volume for voice guidance of the navigation system. (🔍 19)
- 16 Mutes the volume during voice guidance of the navigation system. (🔍 On)
When turned "On", the volume level drops for voice guidance.
- 17 Sets a selecting method of audio source from the Navigation system. (🔍 Off)
"On": Allows you to select the audio source input from the Navigation system interface by pressing [SRC] or selecting it on Source Select screen.
"Off": The audio source cannot be selected using [SRC] or on Source Select screen.
- 18 Displays the AV I/F 2 screen.

User Interface

You can set up user interface (IF) parameters.

Displaying the User I/F 1 screen






- 1 Adjusts the volume.
- 2 Returns to the Control screen of the previous source.
- 3 Calls the Sound Effects Menu. (see page 54)
- 4 Calls the Setup Menu.
- 5 Switches the wall paper.
- 6 Displays the User I/F 2 screen.



- If **User Interface** is not shown, touch  or  to display it.

Displaying the User I/F 2 screen



- 7 Sets an on-screen display of the navigation screen.
( **Auto**)
"Auto": Information is displayed for 5 seconds when updated.
"Off": Information is not displayed.
- 8 Sets an on-screen display of the video playback screen. ( **Auto**)
"Auto": Information is displayed for 5 seconds when updated.
"MANU": Information is displayed when you touch on the screen. (see page 24)
- 9 Sets an on-screen display of the TV screen.
( **Auto**) (with the optional accessory TV tuner connected only)
"Auto": Information is displayed for 5 seconds when updated.
"MANU": Information is displayed when you touch on the screen. (see page 24)
- 10 Displays the User I/F 1 screen.

Touch Panel Adjustment

You can adjust the touch panel operations.

1 Display the Touch Panel Adjust screen

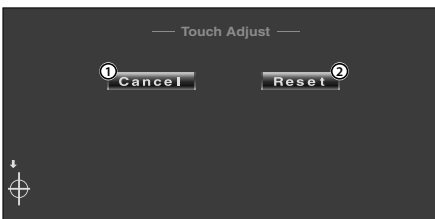


If **Touch** is not shown, touch or to display it.



- ① Adjusts the volume.
- ② Returns to the Control screen of the previous source.
- ③ Calls the Sound Effects Menu. (see page 54)
- ④ Calls the Setup Menu.
- ⑤ Allows you to start touch panel adjustment.

2 Start to adjust the touch panel



- ① Cancels the adjustment and returns to the Touch Panel Adjust screen.
- ② Resets to the initial status.

3 Adjust the positions



Touch the center of left lower and right upper when requested.

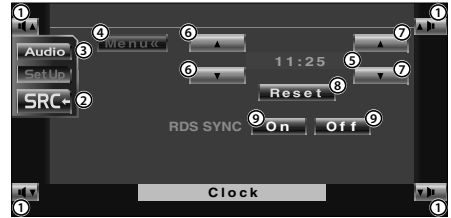
Clock

Adjusts the clock time.

1 Display the Clock screen



If **Clock** is not shown, touch or to display it.



- ① Adjusts the volume.
- ② Returns to the Control screen of the previous source.
- ③ Calls the Sound Effects Menu. (see page 54)
- ④ Calls the Setup Menu.
- ⑤ Clock time display.
- ⑥ Adjusts hours.
- ⑦ Adjusts minutes.
- ⑧ Sets "00" minute.
Setup examples: 3:00~3:29 → 3:00
3:30~3:59 → 4:00
- ⑨ Sets the clock time in synchronization with the time data sent from the RDS station. (📌 On)
When turned "On", the synchronized mode starts and the clock cannot be adjusted manually.

2 Adjust the clock time



Security Code Setup

You can set a security code to protect your receiver system against theft.



- When the Security Code function is activated it can't be released.

Note, your Security Code is the 4 digit number entered in your "Car Audio Passport" in this package.

1 Display the Security Code Setup screen



Security

If **Security** is not shown, touch or to display it.



- Adjusts the volume.
- Returns to the Control screen of the previous source.
- Calls the Sound Effects Menu. (see page 54)
- Calls the Setup Menu.
- Allows you to start security code registration.
- Turns the DSI function on or off.
If turned "On", the burglar alarm lamp flashes when the protection panel is removed. On)

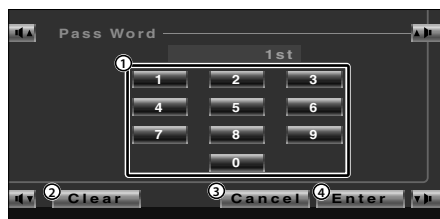


- If you have already completed the code registration, cannot touch **Set**.

2 Start the security code registration



Set



- Enters the numbers to your security code.
- Clears your entry.
- Cancel the registration and returns to the Security Code Setup screen.
- Registers your security code.

3 Enter a security code



0 — 9

Input by four-digit number.

4 Register your security code



Enter

5 Reenter the security code

Reenter the same security code as that you have entered in Step 3 for confirmation.



- If you enter a different security code, the screen returns to Step 3 (for the first code entry).

6 Register the security code again



Enter

Now, your security code is registered. If you press the Reset button or if you disconnect your Receiver from the battery after the code registration, you need to enter the registered security code. See below for details.

If you have pressed the Reset button or if you have disconnected the Receiver from battery...

1 Enter the correct security code



You must enter the same security code as that you have entered in Step 3 above.

2 Enter the security code



Now, you can use your Receiver.



- If you enter a wrong security code, you cannot use your Receiver for a while.

Incorrect entry count	Receiver inoperable time
1	–
2	5 minutes
3	1 hour
4 or more	24 hours

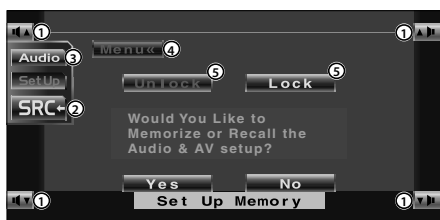
Set Up Memory

Audio Set Up and AV Interface settings can be memorized. The memorized settings can be recalled at any time. For example, even when the settings are cleared due to replacement of the battery, the settings can be restored.

1 Display the Set Up Memory screen



If **Set Up Memory** is not shown, touch **▲** or **▼** to display it.

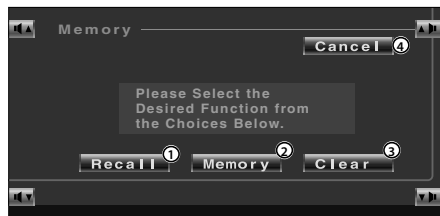


- ① Adjusts the volume.
- ② Returns to the Control screen of the previous source.
- ③ Calls the Sound Effects Menu. (see page 54)
- ④ Calls the Setup Menu.
- ⑤ Locks the Audio Set Up and AV Interface settings.
When **Lock** is shown in red, you cannot set the Audio Set Up and AV Interface settings.

2 Display the Memory screen



To cancel memorization, touch **No**. The Setup Menu screen appears again.



- ① Recalls the memorized settings.
- ② Memorizes the current Audio Set Up and AV Interface settings.
- ③ Clears the currently memorized.
- ④ Returns to Set Up Memory screen.

3 Memorize or recall the settings When memorizing the Audio Set Up and AV Interface settings:



If settings have already been memorized, a confirmation message appears. Touch **Yes**. To cancel memorization, touch **No**.

When recalling the memorized settings:



Touching the screen displays a confirmation message. Touch **Yes**. To cancel recalling, touch **No**.

When clearing the currently memorized settings:



Touching the screen displays a confirmation message. Touch **Yes**. To cancel clearing, touch **No**.

4 Quit memorization/recalling of settings



TV Setup

The TV signal receiving areas can be set. (with the optional accessory TV Tuner connected only)

Displaying the TV1 Area Set screen



- 1 Adjusts the volume.
- 2 Returns to the Control screen of the previous source.
- 3 Calls the Sound Effects Menu. (see page 54)
- 4 Calls the Setup Menu.
- 5 Sets the present TV1 receiving area.
- 6 Displays the TV2 Area Set screen.



- If **TV Set Up** is not shown, touch  or  to display it.

Displaying the TV2 Area Set screen



- 7 Sets the present TV2 receiving area.
- 8 Displays the TV1 Area Set screen.

DAB Set Up

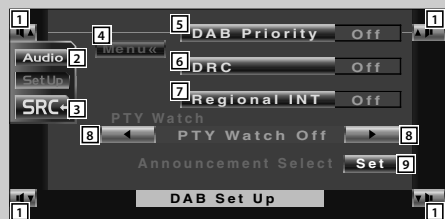
You can set the DAB reception. (with the optional accessory DAB Tuner connected only)

Displaying the DAB Set Up screen



DAB Set Up

DAB Set Up screen



- 1 Adjusts the volume.
- 2 Calls the Sound Effects Menu. (see page 54)
- 3 Returns to the Control screen of the previous source.
- 4 Calls the Setup Menu.
- 5 Turns the DAB Priority On or Off.
- 6 Turns the Dynamic Range Control function On or Off.
- 7 Turns the Regional Announcement function On or Off.
- 8 Sets a program type to be selected automatically when the receiving ensemble starts.
- 9 Displays the Announcement Selection screen. (see page 51)



- If **DAB Set Up** is not shown, touch **▲** or **▼** to display it.

Announcement Selection

You can set various announcement reception parameters.

1 Displays the Announcement Selection screen



Set (page 50 [9])



- ① Adjusts the volume.
- ② Turns the Announcement Reception function On or Off.
- ③ Scrolls the Announcement items.
- ④ Returns to the DAB Set Up screen.

2 Set the announcement parameters



Traffic News etc.

- "Traffic News": Traffic information
- "Transport News": Time table information of public transportation services
- "Warning": Lower priority items than alarms (power failure, cutoff of water supply and others)
- "News": News flash
- "Weather": Weather forecasting
- "Events": Event information
- "Special Events": Undetermined event information
- "Radio Info": Program information, advance notice
- "Sports news": Sports news
- "Financial news": Financial news

3 Terminate the setup

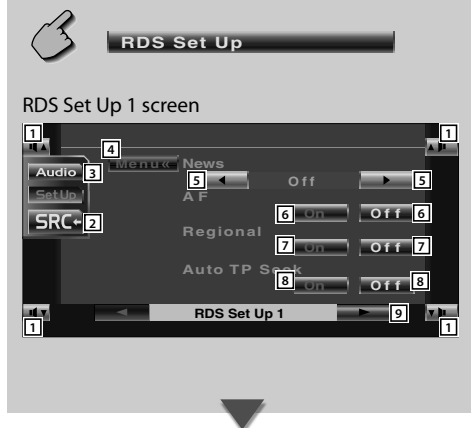


Return

RDS Setup

The related RDS parameters can be set.

Displaying the RDS Set Up 1 screen



- 1 Adjusts the volume.
- 2 Returns to the Control screen of the previous source.
- 3 Calls the Sound Effects Menu. (see page 54)
- 4 Calls the Setup Menu.
- 5 Sets a news bulletin interrupt time.
- 6 Turns the Alternative Frequency function On or Off. (On)
- 7 Turns the Region Restriction function On or Off. (On)
- 8 Turns the Auto TP Seek function On or Off. (On)
- 9 Displays the RDS Set Up 2 screen.



- If **RDS Set Up** is not shown, touch  or  to display it.

Displaying the RDS Set Up 2 screen

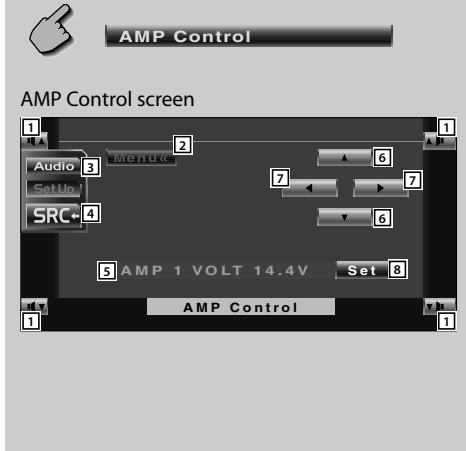


- 10 Selects a display language for the PTY function.
- 11 Displays the RDS Set Up 1 screen.

AMP Control



Sets the power amp connected via the LX bus. (with the optional accessory LX Power Amp connected only)

Displaying the AMP Control screen



- 1 Adjusts the volume.
- 2 Calls the Setup Menu.
- 3 Calls the Sound Effects Menu. (see page 54)
- 4 Returns to the Control screen of the previous source.
- 5 Is showing connected option and value.
- 6 Select a setup option.
- 7 Selects a set value.
- 8 Enters the set value.



- If **AMP Control** is not shown, touch  or  to display it.
- For the model name of amp you can control from the system, see the amp's catalog.
- For the options and values you can change and for the amp's operation when changed, see the amp's instruction manual.

Sound Effects Menu

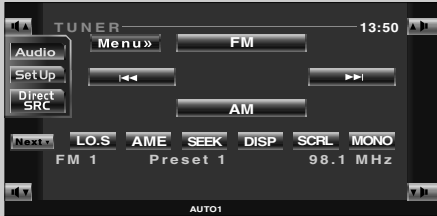
Sound Effects Menu

You can set up the receiver sound effects.

Displaying the Control screen



Control screen



- You can display the same Sound Effects Menu on the Control screen of any source.

Displaying the Sound Effects Menu screen



Sound Effects screen



- 1 Adjusts the volume.
- 2 Calls the Sound Effects Menu.
- 3 Calls the Setup Menu. (see page 37)
- 4 Returns to the Control screen of the previous source.



- Your setup on the <Sound Effects Menu> is adjusted automatically according to your <Audio Set Up> (see page 38) on the Setup menu. We recommend you to complete the <Audio Set Up> first, then set up the <Sound Effects Menu>.

Audio Control

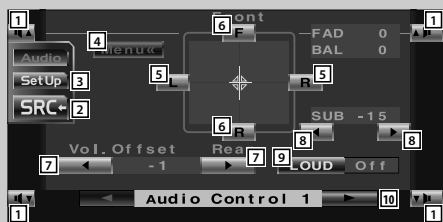
You can adjust the front/ rear and right/ left audio balance.

Displaying the Audio Control 1 screen



Audio Control

Audio Control 1 screen



- 1 Adjusts the volume.
- 2 Returns to the Control screen of the previous source.
- 3 Calls the Setup Menu. (see page 37)
- 4 Calls the Sound Effects Menu.
- 5 Adjusts the right and left volume balance.
- 6 Adjusts the front and rear volume balance.
- 7 Adjusts the volume of the present source based on the difference level of original volume.



- If you have increased the volume first, then reduced the volume using the "Vol. Offset", the sound generated if you suddenly switch to another source may be extremely loud.
- 8 Adjusts the subwoofer volume.
 - 9 Turns the Loudness control function On or Off.
If turned "On", high and low tones are automatically enhanced during low volume. (On)
 - 10 Displays the Audio Control 2 screen.

Displaying the Audio Control 2 screen



Audio Control 2 screen



- 11 Adjusts the bass boost of the B.M.S power amplifier (optional accessory).

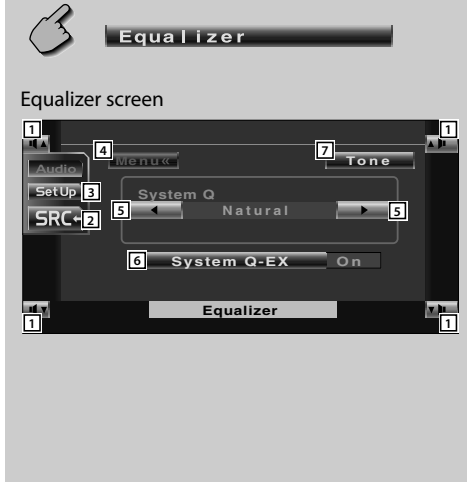


- You may not set some models of power amp boost to "+18". See the catalog or instruction manual of power amplifier.
- 12 Sets the center frequency of bass boost you have set for "AMP Bass". If you set the center frequency to "Low", it will be dropped approximately 20% to 30%.
 - 13 Displays the Audio Control 1 screen.

Equalizer

You can set up the equalizer.

Displaying the Equalizer screen



- 1 Adjusts the volume.
- 2 Returns to the Control screen of the previous source.
- 3 Calls the Setup Menu. (see page 37)
- 4 Calls the Sound Effects Menu.
- 5 Selects an equalizer curve type.
You can select any of the following equalizer curves.
 - "Natural"
 - "Rock"
 - "Pops"
 - "Easy"
 - "Top40"
 - "Jazz"
- 6 Selects items to be adjusted for tone curve setup.
If turned "Off", only Level can be setup for tone curves.
- 7 Displays the Tone curve setup screen. (see page 57)

Tone curve setup

You can set a Tone curve.

1 Display the Tone setup screen



Tone setup screen



- ① Adjusts the volume.
- ② Bass adjustment items are displayed.
- ③ Middle adjustment items are displayed.
- ④ Treble adjustment items are displayed.
- ⑤ Bass DC Extend settings
If turned "On", it extends the bass center frequency to the low register by approximately 20%.
- ⑥ Tone curve becomes flat.
- ⑦ Returns to the Equalizer screen.



- Tone curve can be set for each source.

2 Select a frequency band you wish to adjust



You can adjust the following frequency bands.

"Bass": 40, 50, 60, 70, 80, 100, 120, 150 Hz

"Middle": 500, 1k, 1.5k, 2k Hz

"Treble": 10k, 12.5k, 15k, 17.5k Hz

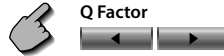
3 Set a center frequency



4 Set a level



5 Set a Q factor



You can set it up only when Bass or Middle is adjusted.

6 Close the Tone setup screen



Zone Control

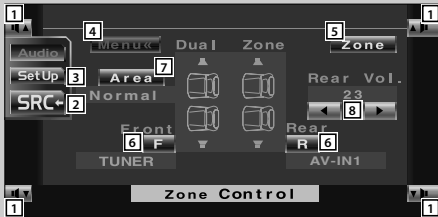
You can set the front and rear audio source.

Displaying the Zone Control screen



Zone Control

Zone Control screen



- 1 Adjusts the volume.
- 2 Returns to the Control screen of the previous source.
- 3 Calls the Setup Menu. (see page 37)
- 4 Calls the Sound Effects Menu.
- 5 Turns the Zone Function (that sets different source sounds for front and rear speakers) On or Off.
- 6 Sets the front and rear audio source separately. (This button appears when the Zone function is On.)



- When the rear speaker sound is switched, the audio source that is output at the AV OUTPUT terminal is also switched to the same source.

However, if you have set the "Area" to "Reverse", the audio source that is output at the AV OUTPUT terminal is switched depending on the front sound source.

- 7 Switches the front and rear audio sources. (This button appears when the Zone function is On.)
Use "Reverse" to change over the front and rear audio sources.
- 8 Adjusts the volume of the rear channel. (This button appears when the Zone function is On.)



- There are following limitations when zone function is set to "On".
 - There is no output from the subwoofer.
 - Equalizer (see page 56) and Loudness (see page 55) are not effective for the rear channel (or front channel when "Area" is set to "Reverse").
 - Audio Setup function (see page 38) and Equalizer setting function (see page 56) are not available.

Troubleshooting Guide

What might appear to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

General

? The power does not turn on.

- ✓ The fuse has blown.
- ✘ After checking for short circuits in the wires, replace the fuse with one having the same rating.
- ✓ The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated.
- ✘ Wire or insulate the speaker cable properly and press the reset button.

? The message "Disconnected cable found. Please confirm a connection line." is displayed and the unit cannot be used.

- ✓ Receiver unit is disconnected.
- ✘ Connect the wire correctly, referring to the section on <INSTALLATION MANUAL>.

? A non-connected source cannot be selected.

- ✓ An optional unit required to listen to each source is not connected yet.
- ✘ A non-connected source is not selected. See <INSTALLATION MANUAL> and connect the unit correctly.
- ✓ The RESET button is not pressed yet although the optional unit has been connected to the system.
- ✘ Press the reset button (see page 4).
- ✓ The "O-N" switch of the optional unit is at the "O" position.
- ✘ Set the "O-N" switch to the "N" position.
- ✓ A disc changer not supported by the system is used.
- ✘ Use a disc changer supported by the system (see page 4).

? Nothing happens when the buttons are pressed.

- ✓ The computer chip in the unit is not functioning normally.
- ✘ Press the reset button on the unit (see page 4).

? No television/video image appears.

- ✓ The unit is not connected to the parking brake detection switch.
- ✘ Make proper connections according to <INSTALLATION MANUAL>.
- ✓ The parking brake is not engaged.
- ✘ For safety reasons no television/video images are displayed while the vehicle is moving. Engaging the parking brake will cause images to be displayed.

? The screen is dark.

- ✓ The unit is in a location where temperature is low.
- ✘ If the temperature of the monitor unit drops, the screen may appear darker when power is first turned on due to the characteristics of a liquid crystal panel. Wait a while after turning power on for the temperature to rise. Normal brightness will return.

? The screen does not darken when the vehicle's lights are turned on.

- ✓ The unit is set to auto dimmer.
- ✘ When the unit is set to auto dimmer, it is not linked to the vehicle's light switch.
- ✓ The illumination wire has not been connected. (If manual dimmer is set)
- ✘ Make proper connections according to <INSTALLATION MANUAL>.

? AM/FM radio reception is poor and/or there is noise.

- ✓ The TV antenna and vehicle's radio antenna are too close.
- ✘ Separate the two antennas as far as possible.
- ✘ Turn off the main unit.

? The remote controller does not operate.

- ✓ The remote control mode selector is not set correctly.
- ✘ Switch the remote control mode selector according to the source you select (see page 10).

? No sound can be heard, or the volume is low.

- ✓ Attenuator is turned on.
- ✘ Turn off Attenuator.

- ✓ The fader or balance settings are set all the way to one side.
- ✘ Reset the fader and/or balance settings.

- ✓ The input/output wires or wiring harness are connected incorrectly.
- ✘ Reconnect the input/output wires or the wiring harness correctly. See the section on <INSTALLATION MANUAL>.

? The sound quality is poor or distorted.

- ✓ One of the speaker wires is being pinched by a screw in the car.
- ✘ Check the speaker wiring.

- ✓ The speakers are not wired correctly.
- ✘ Reconnect the speaker wires so that each output terminal is connected to a different speaker.

? Radio reception is poor.

- ✓ The car antenna is not extended.
- ✘ Pull the antenna out all the way.

- ✓ The antenna control wire is not connected.
- ✘ Connect the wire correctly, referring to the section on <INSTALLATION MANUAL>.

? The memory is erased when the ignition is turned off.

- ✓ The battery wire has not been connected to the proper terminal.
- ✘ Connect the wire correctly, referring to the section on <INSTALLATION MANUAL>.

- ✓ The ignition and battery wire are incorrectly connected.
- ✘ Connect the wire correctly, referring to the section on <INSTALLATION MANUAL>.

? The TEL mute function does not work.

- ✓ The TEL mute wire is not connected properly.
- ✘ Connect the wire correctly, referring to the section on <INSTALLATION MANUAL>.

? The TEL mute function turns on even though the TEL mute wire is not connected.

- ✓ The TEL mute wire is touching a metal part of the car.
- ✘ Pull the TEL mute wire away from the metal part of the car.

? Does not switch to the rear view camera video display when pressing the [V.SEL] button.

- ✓ The reverse sensor wire is disconnected.
- ✘ Connect the wire correctly, referring to the section on <INSTALLATION MANUAL>.

Specifications

Specifications subject to change without notice.

Monitor section

- Picture size
 - : 6.95 inches wide
 - 154.1(W)×87.1(H)mm
- Display system
 - : Transparent TN LCD panel
- Drive system
 - : TFT active matrix system
- Number of pixels
 - : 336,960 (480H×234V×RGB)
- Effective pixels
 - : 99.99%
- Pixel arrangement
 - : RGB striped arrangement
- Back lighting
 - : Cold Cathode Fluorescent Tube

FM Tuner section

- Frequency range (50kHz)
 - : 87.5~108.0MHz
- Usable sensitivity (S/N=30dB)
 - : 0.7μV/75Ω
- Quieting sensitivity (S/N=46dB)
 - : 1.6μV/75Ω
- Frequency response (±3.0dB)
 - : 30Hz~15kHz
- S/N (dB) (MONO)
 - : 65dB
- Selectivity (±400kHz)
 - : ≥ 80dB
- Stereo separation
 - : 37dB (1kHz)

LW Tuner section

- Frequency range (9kHz)
 - : 153kHz~281kHz
- Usable sensitivity
 - : 45dBμ

MW Tuner section

- Frequency range (9kHz)
 - : 531kHz~1611kHz
- Usable sensitivity
 - : 25dBμ

Video section

- Color system of external video input
 - : NTSC/PAL
- External video input level (RCA jacks)
 - : 1Vp-p/75Ω
- External audio max input level (RCA jacks)
 - : 1V/22kΩ
- Analog RGB input
 - : 0.7Vp-p/75Ω

Audio section

- Maximum Power (Front&Rear)
 - : 50W×4
- Output power (Front&Rear) (DIN 45324, +B=14.4V)
 - : 30W×4
- Preout level (V)
 - : 5V/10kΩ
- Preout impedance
 - : 80Ω
- Tone action
 - Bass: 100 Hz ±10 dB
 - Middle: 1 kHz ±10 dB
 - Treble: 10 kHz ±10 dB

General

- Operating voltage
 - : 14.4V (11V~16V)
- Current consumption
 - : 15A
- Dimensions (W×H×D)
 - Main unit: 182mm×53mm×161mm
 - Hideaway unit: 225mm×40mm×168mm
- Operational temperature range
 - : -10°C – 60°C
- Storage temperature range
 - : -20°C – 85°C
- Weight
 - Main unit: 1.7kg
 - Hideaway unit: 1.1kg

Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.

KENWOOD