KENWOOD

7-Inch WIDE SCREEN MONITOR-RECEIVER

KVT-M707

INSTRUCTION MANUAL

Kenwood Corporation

SIRIUS
READY
HD Radio®
READY

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 Monitor-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 KVT-M707 Serial number _____

US Residence Only

Register Online

Register your Kenwood product at
www.kenwoodusa.com

© B64-3131-00/00 (KV)

Contents

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-V500N, KTC-SR901, KTC-SR902, KTC-SR903, KTC-HR100, KHD-CX910, KHD-C710, KTC-WB100, KDC-C719, KDC-C669, KDC-C469, KDV-C810, KDC-CX89, KDC-CX87, KDC-C717, KDC-C667, KDC-C467, KDC-D301, KDC-CX85, KDC-C715, KDC-C665, KDC-C465, KDC-CX82, KDC-C712, KDC-662, KDC-D300, KMD-D400, KTC-9090DAB
(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-DV2100, KNA-DV3100, KNA-DV4100

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.
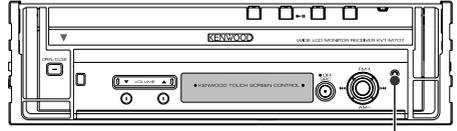
Reset button

• We recommend the use of <Security Code Setup> (see page 56) to prevent theft.
• 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.
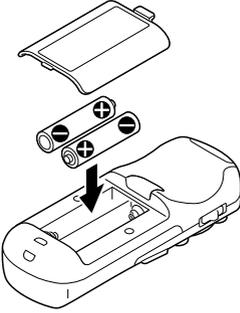
⚠WARNING

• 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

[OPEN/CLOSE] key
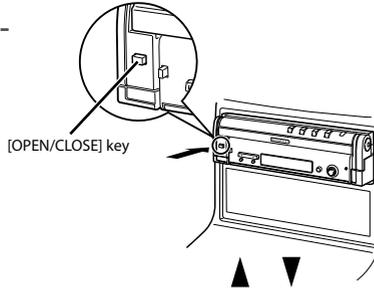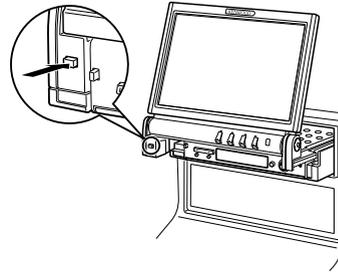
Close the monitor

Turn the power on

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

[SRC] key

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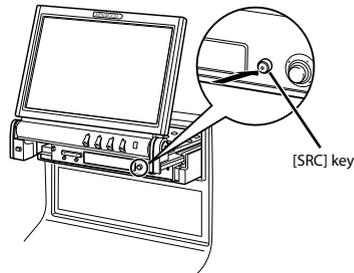
- Do not touch the moving components when you are opening or closing the monitor. If you touch the moving components, you may be hurt or the equipment may be damaged.
- Do not try to open or close the monitor by hand.

⁂

- You can automatically open or close the monitor when you turn on or off the ignition key (see page 45).
- 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
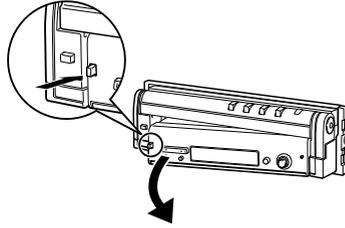
Attach the protection panel

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.

Two hooks

⊜
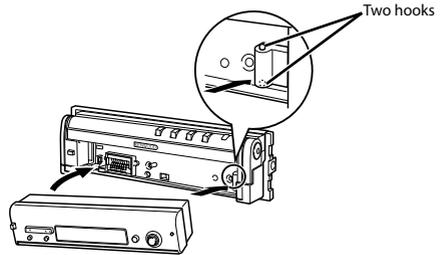
• Close the monitor first, then remove or attach the protection panel.

• 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 56).

KVT-M707 Basic operations

■ **When the monitor is open**
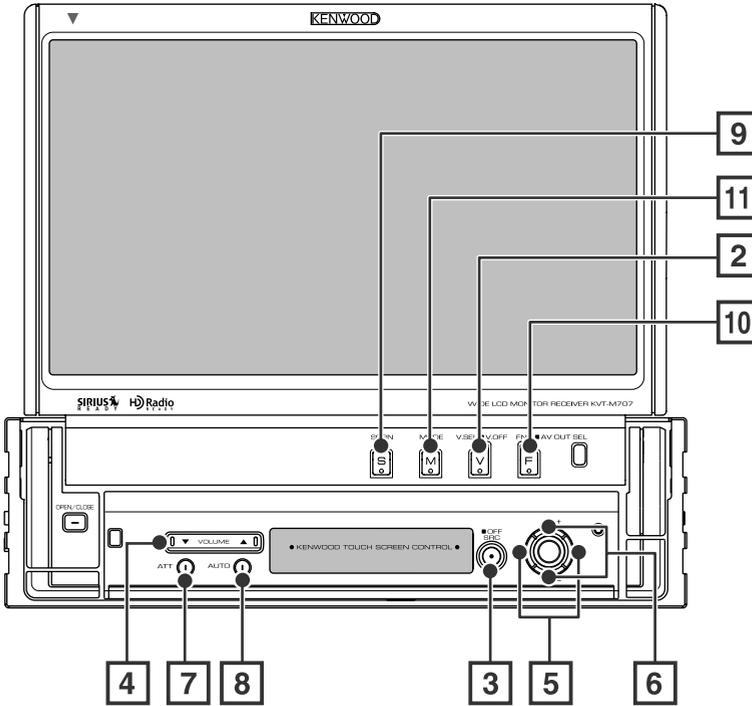
■ **When the monitor is closed**
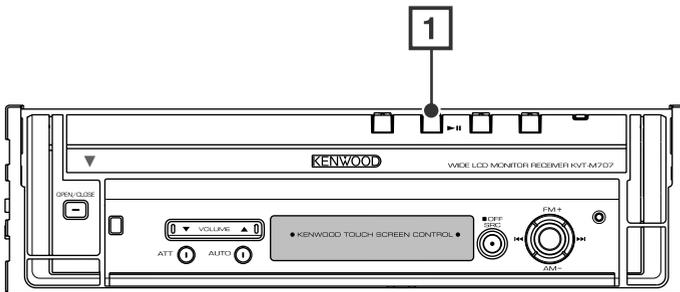
[1] **Play/Pause**
[►II] key

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.

Video/ TV*
▼
Rear view camera*
▼
Navigation*
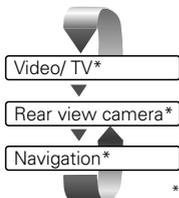
*Optional accessory

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.

SIRIUS*
▼
DAB*
▼
TUNER or HD Radio*
▼
External Disc Player*
▼
Video/ TV*
▼
External Disc Changer*
▼
AUX EXT*
▼
Navigation*
▼
Weather Band Tuner*
▼
Standby Mode
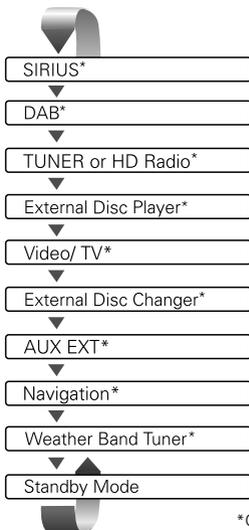
*Optional accessory

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**
[◄◄]/[►►I] 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**
[ATT] key

Attenuates the volume.
Press it again to cancel muting.

[8] **Select Seek Mode**
[AUTO] key

Selects the Seek mode. (see pages 16/26/34/38 for the <Seek Mode>)

[9] **Screen Setup**
[SCRN] key

Displays the Screen Control or Angle Control screen. (see page 45)

[10] **Function**
[FNC] key

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

Picture & Easy Control Panel
▼
Source Control
▼
Picture
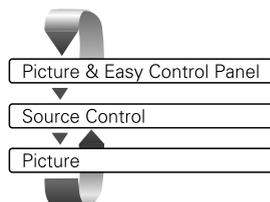
Switches the source that is output at the AV OUTPUT terminal when it is pressed more than 1 second.

[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 the with [SRC] key. (see page 53)

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

English | **9**

Basic Operations of Remote Controller
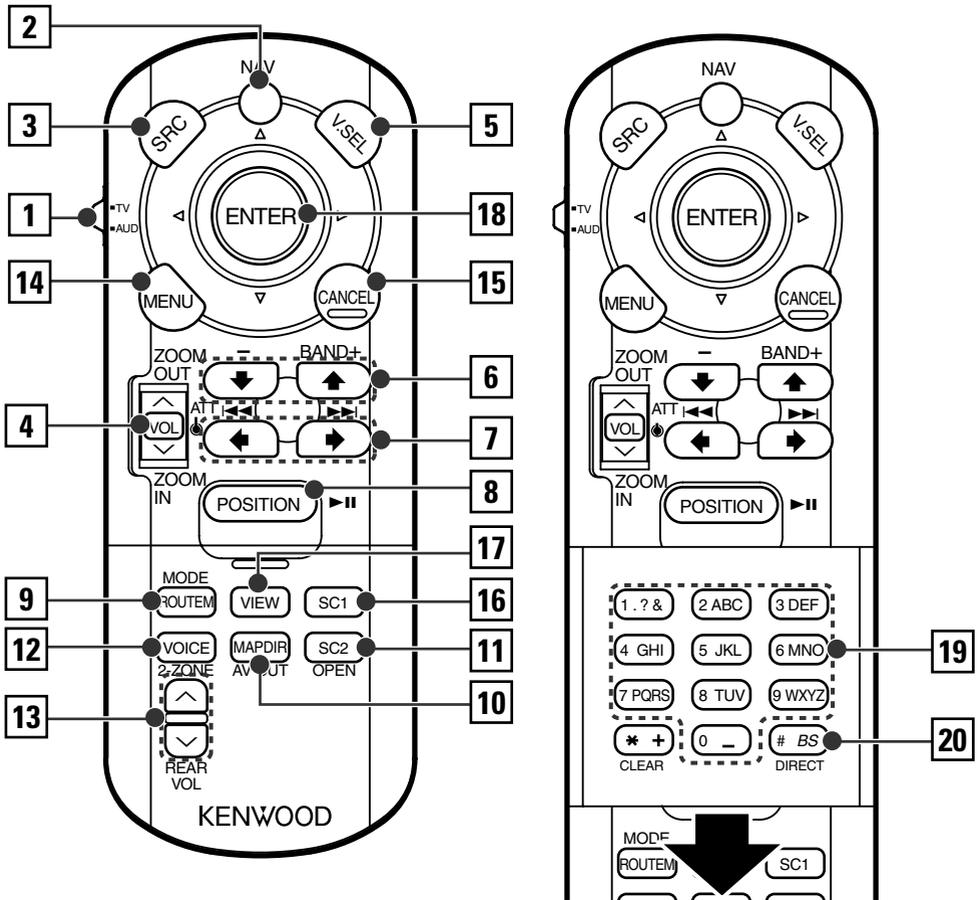
1 **Remote Control Mode selector switch**

Selects one of the following remote control modes when switched to AV control mode with [NAV] switch.
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.

Video/ TV*

Rear view camera*

Navigation*
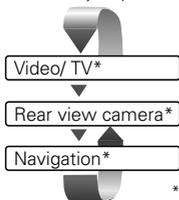
*Optional accessory

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 the icon.

7 **[|◀◀]/ [▶▶|] key**

TUNER

Selects a station.

TV

Selects a channel.

DISC

Selects a track.

NAV

Selects an icon or scrolls horizontally.

8 **[▶II] key**

TUNER **TV**

Selects the Seek mode.
(see page 16/26/34/38 for the <Seek Mode>)

DISC

Plays or pauses.

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

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 66 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

Scrolls the map, or moves the cursor.
Also performs the selected function when you press the button down.

19 **[0] – [9] key**

TUNER **TV**

(1..?&) — (6 MNO) : Recall the stations on memory.

NAV

You can enter a character/number.

20 **[DIRECT] key**

Selects the Direct Search mode.
(see pages 18/27 for <Direct Search>)

⁂

• It is necessary to engage the shift knob of car to "Reverse" to switch to rear iew 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-DV2100, KNA-DV3100, KNA-DV4100: optional accessory) control mode

Switching Screen Mode

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

[MODE] key

Full picture mode (FULL)

Justify picture mode (JUST)

Zoom picture mode (ZOOM)

Normal picture mode (NORMAL)

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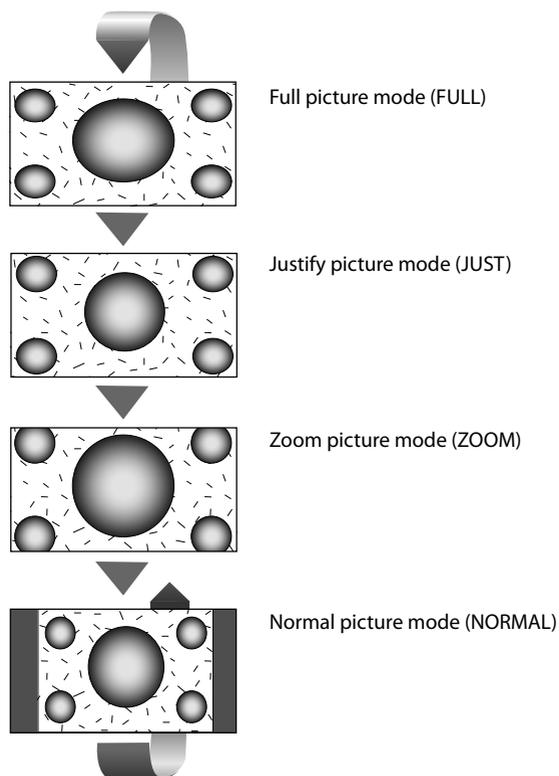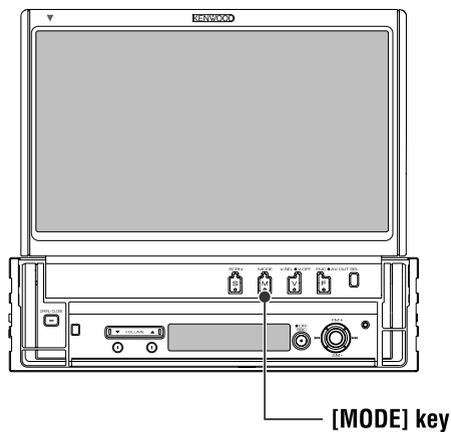
- When you select the Menu, Easy Control screen, or Navigation, the display is shown in the full-size display mode automatically. The screen mode of these displays cannot be changed.
- You can set the screen mode for each of the TV and video images.

Muting Audio Volume upon Reception of Phone call

When the telephone is called, the system is paused automatically.

When the telephone is called...

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

Phone Call ("CALL") screen
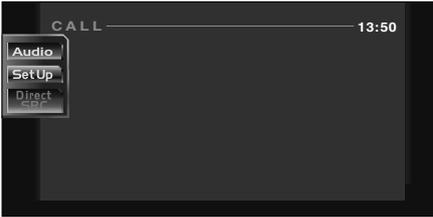
If you want to continue to listen to the audio source during phone call...

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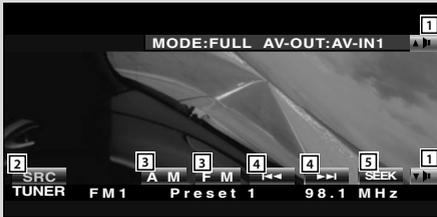
1 Adjusts the volume.
2 Switches the source.
3 Switches the band (to AM or FM1/2/3).
4 Tunes in a station.
5 Switches the Seek mode.
   (see page 16 for the <Seek Mode>)

⁂
- 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
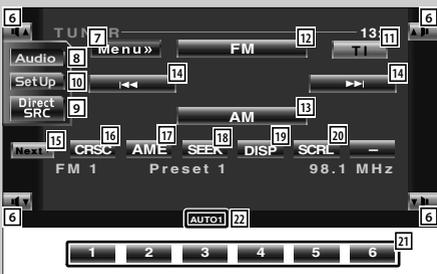
6 Adjusts the volume.
7 Calls the Tuner Menu.
8 Calls the Sound Effects Menu. (see page 62)
9 Displays the Source Select screen. (see page 44)
10 Calls the Setup Menu. (see page 46)
11 Turns the Traffic Information function On or Off.
   (see page 18 for the <Traffic Information>)
12 Switches to the FM1/2/3 band.
13 Switches to the AM band.
14 Tunes in a station.
   Use the <Seek Mode> (see page 16) to change the frequency switching.
15 Switches between ▁1▁ to ▁6▁ buttons and Function buttons to use.
16 Turns the CRSC function On or Off. (Only when receiving the FM broadcast)
17 Selects the Auto Memory mode.
   (See page 16 for the <Auto Memory>)
18 Switches the Seek mode.
   (see page 16 for the <Seek Mode>)
19 Selects the Program Service Name, Station Name, or Radio Text mode for text display.
20 Scrolls the display text.
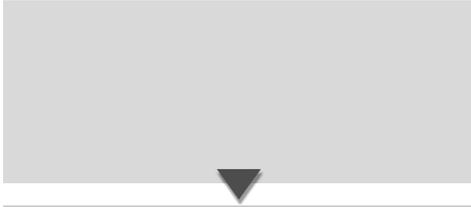
Displaying the Tuner Menu screen

You can select menu options using various functions.

Menu»

Tuner Menu screen
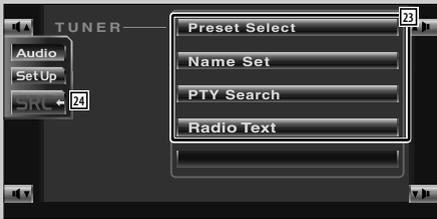
21 When **1** to **6** buttons appear, you can recall the stations on memory.
For memory of broadcasting stations, see <Auto Memory> (see page 16) or <Manual Memory> (see page 16).

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.

SEEK

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

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

Auto Memory

Stores stations with good reception in memory automatically.

1 Select a band you wish to store in memory

FM   **AM**

2 Select the Auto Memory mode

AME

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

3 Start Auto Memory

I◀◀   **▶▶I**

Touch **I◀◀** or **▶▶I** .
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

FM   **AM**
I◀◀   **▶▶I**

2 Store in memory

2sec.   **2sec.**
1 — **6**

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

Menu»

2 Call the Preset Select Menu

Preset Select
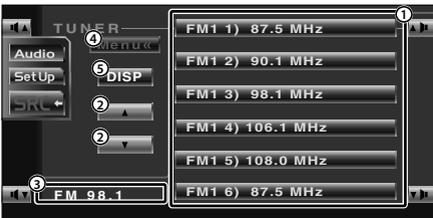
① Tunes in the displayed station.
  The station name is displayed if previously set.
② Switches the band of the displayed station list.
③ Shows the band and frequency.
④ Returns to the Tuner Menu.
⑤ Switches the Station List display between the Program Service Name and SNPS (Frequency).

Set Station Name

Names a station.

1 Tune in a station you wish to name

FM   **AM**
I◄◄   **►►I**

2 Call the Tuner Menu

Menu»

3 Select the Set Name mode

Name Set

4 Enter a name

For character entry details, see <Character Entry> (see page 43).

5 Exit the Set Name mode

Ok

⌨

• You can store up to 30 stations in memory.
• You can set a station name only after you have applied the parking brake.

Direct Search

Tunes in a station when its frequency is entered.

1 Select a band

– ↓ BAND+ ↑
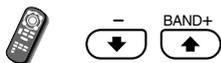
2 Select the Direct Search mode

BS
DIRECT

3 Enter frequency

0 — 9 WXYZ
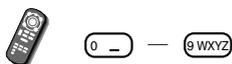
When you enter frequency, signal reception starts.
Example: When you receive FM 92.1 MHz
0 — 9 WXYZ 2 ABC 1 . ? &
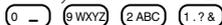
Example: When you receive AM 810 kHz
0 — 8 TUV 1 . ? & 0 —

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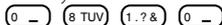
- The operation ends automatically if you do not operate within 10 seconds.

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
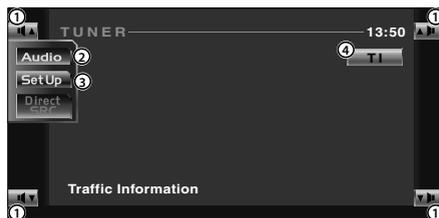
① Adjusts the volume.
② Calls the Sound Effects Menu. (see page 62)
③ Calls the Setup Menu. (see page 46)
④ Turns the Traffic Information function on or off.

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

Menu»

2 Call the PTY Search Menu

PTY Search

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 Continue to touch more than 2 seconds, the currently receiving station is registered to have the selected program type. (The registered program type is displayed.)
If you touch it the program type registered in the currently receiving station is displayed.
⑤ Returns to the Tuner Menu.

3 Select a program type

News etc.

4 Search for the program type

SRCH

Radio Text

You can display the radio text.

1 Call the Tuner Menu

Menu»

2 Display the Radio Text

Radio Text

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

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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

```
T V 1                                        1
          MODE:FULL  AV-OUT:AV-IN1   ◄►

 2        5     5     3     3     4
 SRC     D  −  D  +  ◄◄  ►►►  ►/Ⅱ   ▼►
 CD CH   D 1       T 3          P  5 : 3 2   1
```
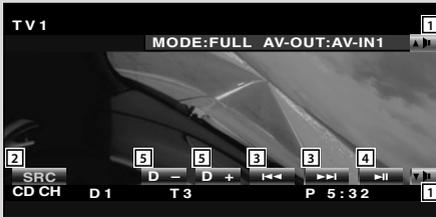
During playback on CD player

```
           3     3     4
 SRC      ◄◄  ►►►  ►/Ⅱ   ▼►
 CD        T 3          P  5 : 3 2
```

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

```
 ◄◄   CD CH ──── 6          8        13:50   ▲►
        Menu»    Disc +
 Audio       7       9       7
 Set Up    ◄◄   ►/Ⅱ  ►►►
 Direct           Disc −        8
 SRC
 15    10    11   12       16    17     18
 TRAN  SCN  REP  RDM  DISP  SCRL TIME
 19  D  3  11  T  7  20      P  3 : 2 5  21
 ◄▼                                  ▼►

              REP  22
    −  DREP  MRDM   −    −    −
       13   14
```

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.

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 a 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.
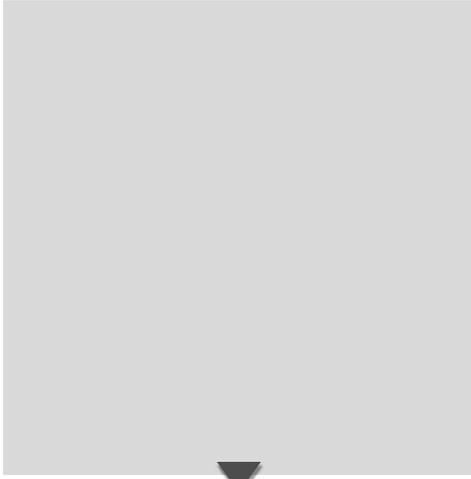
16 Selects the Disc Name (see page 22 for the <Set Disc Name>), Disc Text, or Track Text mode for text display.

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.

English | **21**

Set Disc Name

Names a CD.

1 Play a CD you wish to name

2 Call the CD/Disc Changer Menu

Menu»

3 Select the Set Name mode

Name Set

⟨⟩
• 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 43).

5 Exit the Set Name mode

Ok

⟨⟩
• 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

Menu»

2 Call the Disc Select Menu

Disc Select

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

1. Disc Name

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

$\boxed{0 \; \_ }$ — $\boxed{9 \; \text{WXYZ}}$

2 Search

When searching for a track:

$\overset{\text{\tiny |◄◄}}{\boxed{\text{◄}}}$ $\overset{\text{\tiny ►►|}}{\boxed{\text{►}}}$

When searching for a disc:

$\overset{\text{–}}{\boxed{\downarrow}}$ $\overset{\text{BAND+}}{\boxed{\uparrow}}$

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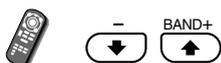
• The operation ends automatically if you do not operate within 10 seconds.

TV/ Video Control

Various control screens appear in the TV/ Video 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
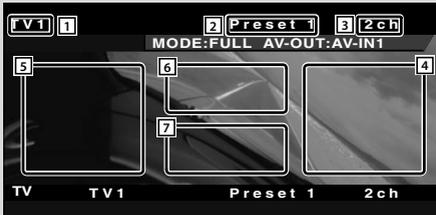
1 TV Band Number Display
2 Memory Number Display
3 Channel Number Display
4 Channel Up Area
   Increase the channel.
5 Channel Down Area
   Decrease the channel.
6 Band/Video Switch Area
   Switches to TV1, TV2, VIDEO1, or VIDEO2.
7 Information Display Button Area

⚜

• 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 54).

Displaying the Easy Control Panel

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

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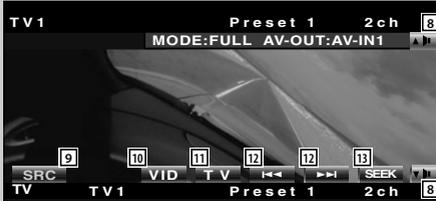
8 Adjusts the volume.
9 Switches the source.
10 Switches to Video (to VIDEO1 or VIDEO2).
11 Switches the TV band (to TV1 or TV2).
12 Calls up a channel.
13 Switches the Seek mode.
   (see page 26 for the <Seek Mode>)

⚜

• 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

⯆

Displaying the TV Menu screen

You can select menu options using various functions.
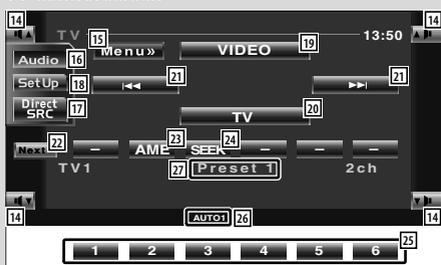
 Menu»

TV Menu screen

14 Adjusts the volume.
15 Calls the TV Menu.
16 Calls the Sound Effects Menu. (see page 62)
17 Displays the Source Select screen. (see page 44)
18 Calls the Setup Menu. (see page 46)
19 Switches to VIDEO1 or VIDEO2.
20 Switches to TV1 or TV2.
21 Select a channel.
   Use the <Seek Mode> (see page 26) to change the channel tuning sequence.
22 Switches between ▮ 1 ▮ to ▮ 6 ▮ buttons and Function buttons to use.
23 Selects the Auto Memory mode.
   (see page 26 for the <Auto Memory>)
24 Switches the Seek mode.
   (see page 26 for the <Seek Mode>)
25 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).
26 Seek Mode Indicator
27 Memory Number Display

28 Selects options from various function menus.
29 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.

SEEK

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

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

Auto Memory

Stores stations with good reception in memory automatically.

1 Select a band you wish to store in memory

TV

2 Select the Auto Memory mode

AME

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

TV
|◄◄   ►►|

2 Store in memory

2sec.   2sec.
1 — **6**

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

TV

2 Call the TV Menu

Menu» (Page 25 ⑮)

3 Call the Preset Select Menu
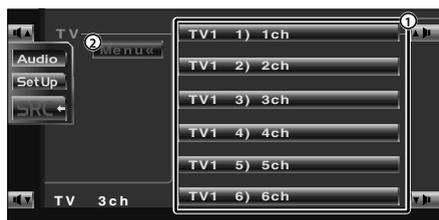
Preset Select

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

TV
|◄◄   ►►|

2 Call the TV Menu

Menu» (Page 25 [15])

3 Select the Set Name mode

Name Set

4 Enter a name

For character entry details, see <Character Entry> (see page 43).

5 Exit the Set Name mode

Ok

⋐⋑

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

Direct Search

Tunes in a station when its channel number is entered.

1 Select the Direct Search mode

BS
DIRECT

2 Enter a channel number

(0 _) — (9 WXYZ)

When you enter a channel number, signal reception starts.

Example: When you receive Channel 06
(0 _) (6 MNO)

⋐⋑

• Direct Search ends automatically if you do not operate within 10 seconds.

English │ **27**

SIRIUS Tuner Control <North American sales only>

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

Displaying the Easy Control Panel

The SIRIUS 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.
|4| Tunes in a station.
|5| Switches the Seek mode.
SEEK 1: Tunes channels one after the other.
SEEK 2: Selects channels in memory one after the other.

�

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

Displaying the SIRIUS Tuner Control screen

SIRIUS Tuner Control screen
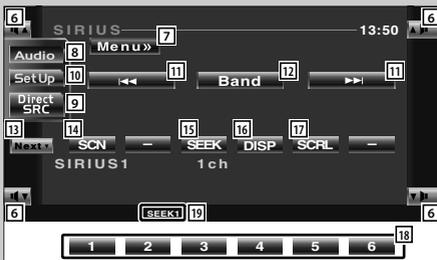
|6| Adjusts the volume.
|7| Calls the SIRIUS Tuner Menu.
|8| Calls the Sound Effects Menu. (see page 62)
|9| Displays the Source Select screen. (see page 44)
|10| Calls the Setup Menu. (see page 46)
|11| Tunes in a station.
|12| Switches the band.
|13| Switches between 1 to 6 buttons and Function button to use.
|14| Starts or stops Channel Scan (that tunes channels one after the other).
|15| Switches the Seek mode.
SEEK 1: Tunes channels one after the other.
SEEK 2: Selects channels in memory one after the other.
|16| Changes the display from Song Title & Artist Name, Composer Name, Channel Name, to Category Name.
|17| Scrolls the display text.

Displaying the SIRIUS Tuner Menu

You can select menu options using various functions.

Menu»

SIRIUS Tuner Menu screen
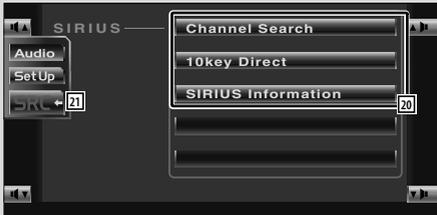
18 When **1** to **6** buttons appear, you can recall the channel on memory.
For memory of channel stations, see <Channel Memory> (see page 30) .

19 Seek Mode Indicator

20 Selects options from various function menus.

21 Returns to the SIRIUS Tuner Control screen.

⁀

• For SIRIUS Tuner function details, see the Instruction Manual of SIRIUS Satellite Radio Tuner (optional accessory).

Channel Search

The categories and channels are listed for your channel selection.

1 Call the SIRIUS Tuner Menu

Menu»

2 Start Channel Searching

Channel Search

The category list appears.

Category Selection screen
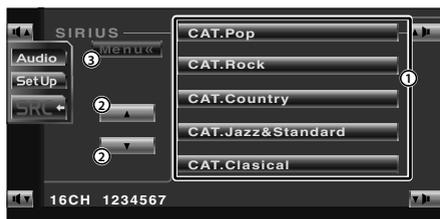
① Selects a category.
② Scrolls the list.
③ Returns to the SIRIUS Tuner Menu.

3 Select a category

CAT. Pop etc.

The channel list of the selected category appears.

Channel Selection screen

① Tunes in a channel.
② Scrolls the list.
③ Returns to the Category Selection screen.
④ Returns to the SIRIUS Tuner Menu.

4 Select a channel

CH.SIRIUS HITS 1 etc.

The selected channel is tuned.

Channel Memory

Stores the current receiving channel in memory.

1 Select a channel you wish to store in memory

|◄◄ **Band** ►►|

2 Store in memory

2sec. **1** — **2sec.** **6**

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

Direct Channel Search

A channel is tuned when you enter its number.

1 Call the SIRIUS Tuner Menu

Menu»

2 Display the Direct Search screen

10key Direct

Direct Search screen

① Enters a channel number.
② Returns to the SIRIUS Tuner Menu.
③ Tunes in a channel when you enter is number.

3 Enter a channel number

0 — 9

4 Tuning

Enter

Information Display

The tuned program information is displayed.

1 Call the SIRIUS Tuner Menu

Menu»

2 Display the Information screen

SIRIUS Information

Information screen

① Displays the information (such as Channel Name, Category Name, Artist Name, Song Title, and Composer).
② Scrolls the information display.
③ Returns to the SIRIUS Tuner Menu.

English | **31**

HD Radio Control <North American sales only>

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

Displaying the Easy Control Panel

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

Displaying the Easy Control Panel

MODE:FULL AV-OUT:AV-IN1 [1]
[2] SRC [3] HD AM [3] HD FM [4] |◄◄ [4] ►►| [5] SEEK
HD RADIO H D F M 1 9 8 . 1 M H z [1]
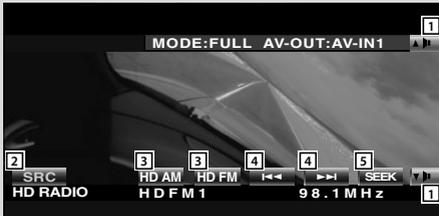
[1] Adjusts the volume.
[2] Switches the source.
[3] Switches the band (HD FM1/2/3, HD AM).
[4] Tunes in a station.
[5] Switches the Seek mode.
(see page 34 for the <Seek Mode>)

⁂
• For receiver 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 HD Radio Control screen

You can tune in a station using various functions.

HD Radio Control screen

[6] HD RADIO [7] Menu» HD FM [11] 13:50 [6]
Audio [8]
Set Up [10] [13] |◄◄ ►►| [13]
Direct SRC [9] HD AM [12]
[14] Next» [15] — AME [16] SEEK [17] DISP [18] SCRL —
HDFM1 98.1 MHz
[6] [6]
AUTO1 [20]
[1] [2] [3] [4] [5] [6] [19]
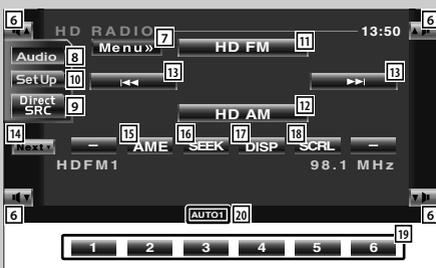
[6] Adjusts the volume.
[7] Calls the HD Radio Menu.
[8] Calls the Sound Effects Menu. (see page 62)
[9] Displays the Source Select screen. (see page 44)
[10] Calls the Setup Menu. (see page 46)
[11] Switches to the HD FM1/2/3 band.
[12] Switches to the HD AM band.
[13] Tunes in a station.
Use the <Seek Mode> (see page 34) to change the frequency switching.
[14] Switches between 1 to 6 buttons and Function buttons to use.
[15] Selects the Auto Memory mode.
(See page 34 for the <Auto Memory>)
[16] Switches the Seek mode.
(see page 34 for the <Seek Mode>)
[17] Switches between Station Name and Song Title display modes.
[18] Scrolls the display text.

⁂
• SCRL button is not displayed when there is no text information.
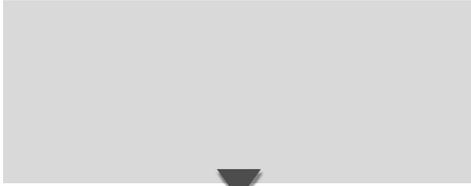
Displaying the HD Radio Menu screen

You can select menu options using various functions.

Menu »

HD Radio Menu screen

⑲ When **1** to **6** buttons appear, you can recall the stations from memory.
For memory of broadcasting stations, see <Auto Memory> (see page 34) or <Manual Memory> (see page 34).

⑳ Seek Mode Indicator

㉑ Selects options from various function menus.

㉒ Returns to the HD Radio Control screen.

{⚌}

• For HD Radio function details, see the Instruction Manual of HD Radio tuner (optional accessory).

Seek Mode

Sets a station selection.

SEEK

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

AUTO1 — Tunes in a station with good reception automatically.

AUTO2 — Tunes in stations in memory one after another.

MANU — Switches to the next channel manually.

Auto Memory

Stores stations with good reception in memory automatically.

1 Select a band you wish to store in memory

HD FM   **HD AM**

2 Select the Auto Memory mode

AME

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

3 Start Auto Memory

I◄◄   **►►I**

Touch **I◄◄** or **►►I** .
Auto Memory terminates when 6 stations are stored or when all stations are tuned in.

Manual Memory

Stores the current receiving station in memory.

1 Select a station you wish to store in memory

HD FM   **HD AM**
I◄◄   **►►I**

2 Store in memory

2sec.   **2sec.**
1 — **6**

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

Receive Mode

The digital or analog program is selected and received.

1 Call the HD Radio Menu

Menu»

2 Call the Receive mode Menu

Receive Mode

① Switches the Receive mode.
② Receive mode Display.
③ Returns to the HD Radio Menu.

3 Select the Receive mode

"AUTO": Automatically switches between the Digital and Analog Receive modes depending on the broadcasting type. If programs are broadcasted in both modes, the digital program is received. Also, if a program is received in the Ball Game mode (the non-displayed broadcast program), the analog program is automatically received.
"DIGITAL": Receives the digital program only.
"ANALOG": Receives the analog program only.

Title Display

An information about the received song is displayed.

1 Call the HD Radio Menu

Menu»

2 Display the Title screen

Title

Title screen

① Displays the information.
② Scrolls the information display.
③ Returns to the HD Radio Menu.

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
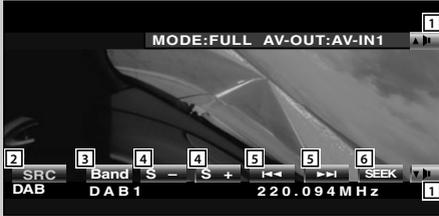
1 Adjusts the volume.
2 Switches the source.
3 Switches the band (to DAB1/2/3).
4 Selects a service.
5 Selects the Ensemble.
6 Switches the Seek mode.
   (see page 38 for the <Seek Mode>)

�

- 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
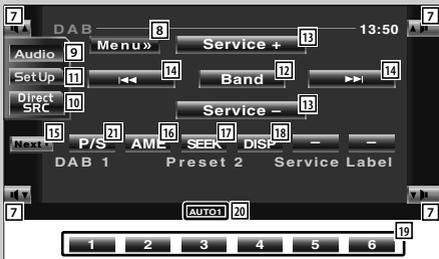
7 Adjusts the volume.
8 Calls the DAB Tuner Menu.
9 Calls the Sound Effects Menu. (see page 62)
10 Displays the Source Select screen. (see page 44)
11 Calls the Setup Menu. (see page 46)
12 Switches the band (to DAB1/2/3).
13 Selects a service.
14 Selects the Ensemble.
15 Switches between **1** to **6** buttons and Function button to use.
16 Selects the Auto memory mode.
   (see page 38 for the <Auto Ensemble memory>)
17 Switches the Seek mode.
   (see page 38 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
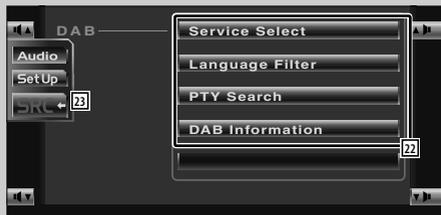
22 Selects options from various function menus.
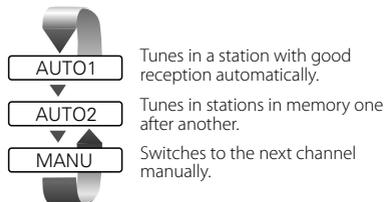
23 Returns to the DAB Tuner Control screen.

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

Seek Mode

Sets a station selection.

SEEK

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

AUTO1	Tunes in a station with good reception automatically.
AUTO2	Tunes in stations in memory one after another.
MANU	Switches to the next channel manually.
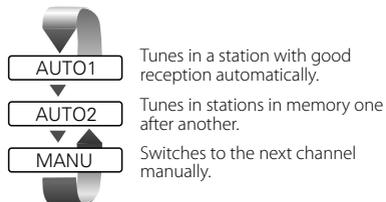
Auto Ensemble Memory

An ensemble with good reception is stored in memory automatically.

1 Select a band you wish to store in memory

Band

2 Select the Auto Memory mode

AME

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

Band ◀◀ ▶▶
Service + **Service –**

2 Store in memory

2sec. **2sec.**
1 — **6**

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

Menu»

2 Call the Service Select Menu

Service Select

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

3 Select a service

Service Name

Language Filter

The languages are list for your selection.

1 Call the DAB Tuner Menu

Menu»

2 Call the Language Filter Menu

Language Filter

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

SRCH

English | **39**

Search for Program Type

The services are received when you set its program type.

1 Call the DAB Tuner Menu

2 Call the PTY Search Menu

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

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

DAB Information

The DAB information is displayed.

1 Call the DAB Tuner Menu

Menu»

2 Display the DAB Information screen

DAB Information

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
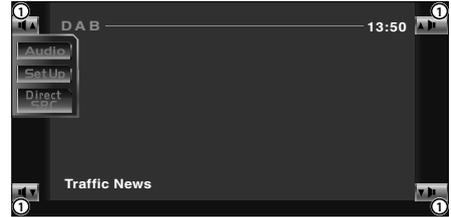
① Adjusts the volume.

Weather Band Tuner Control

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

Displaying the Easy Control Panel

The Weather Band 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| Tunes in a station.

⌲

- 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 Weather Band Tuner Control screen

Weather Band Tuner Control screen

|4| Adjusts the volume.

|5| Calls the Sound Effects Menu. (see page 62)

|6| Displays the Source Select screen. (see page 44)

|7| Calls the Setup Menu. (see page 46)

|8| Tunes in a station.

Character Entry

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 unit the Control screen appears.

Control screen

```
  TUNER                       13:50
  Menu»        FM          TI
 Audio      ◄◄              ►►I
 Set Up
 Direct           AM
  SRC
 Next  CRSC  AME  SEEK  DISP  SCRL  —
  FM 1      Preset 1      98.1 MHz

              AUTO1
```

Displaying the Source Select screen

Source Select screen

```
 1                      2  STANDBY        1
 Audio                     TUNER
 Set Up                    CD
 SRC  3       ▲            TV
              ▼            CD-CH
 1                         AUX EXT        1
```
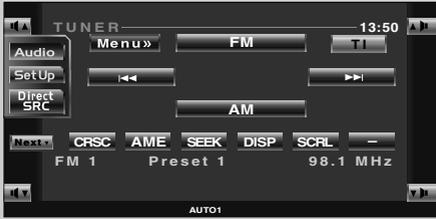
⁂
• The Source Select screen can be displayed from the control screen of any source.
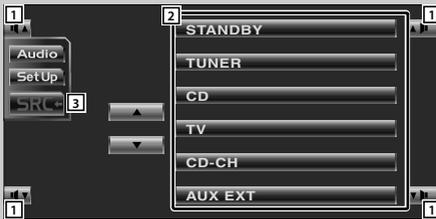
1 Adjusts the volume.
2 Select the source.
3 Returns to the Control screen previously displayed.

44 | English

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
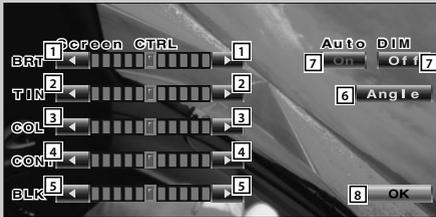
1 Brightness Control

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 45 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

Set Up

Setup Menu screen
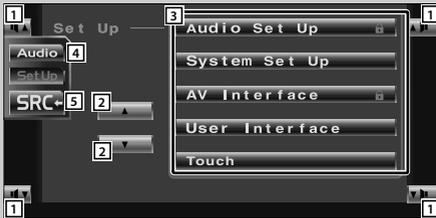
1 Adjusts the volume.

2 Scrolls the Setup Menu.

3 Calls each Setup Menu.

4 Calls the Sound Effects Menu. (see page 62)

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 47) 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

Audio Set Up

Speaker setup screen

1 Adjusts the volume.

2 Returns to the Control screen of the previous source.

3 Calls the Sound Effects Menu. (see page 62)

4 Calls the Setup Menu.

5 Displays the X'Over setup screen. (see page 48)

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 speakersr

7 Set the use or no use of Subwoofer.

English | **47**

Crossover Network Setup

You can set a crossover frequency of speakers.

 X'Over (Page 47 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.

Displaying the System Set Up 1 screen

System Set Up

System 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 62)

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. (✎ Auto)
   "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.
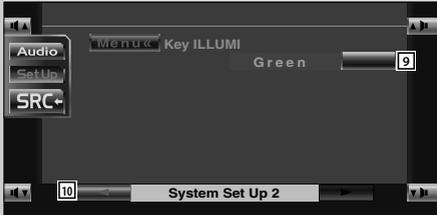
8 Displays the System Set Up 2 screen.

{⠿}
- 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

AV Interface

AV I/F 1 screen

1 Adjusts the volume.

2 Calls the Sound Effects Menu. (see page 62)

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**)
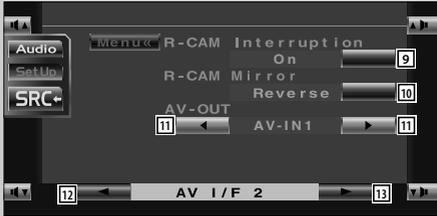
8 Displays the AV I/F 2 screen.

⁅⁆

• If **AV Interface** is not shown, touch ▲ or ▼ to display it.

Displaying the AV I/F 2 screen

AV I/F 2 screen

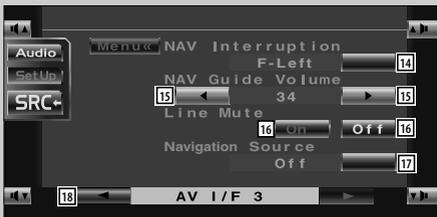## Displaying the AV I/F 3 screen

AV I/F 3 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 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 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.

[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.

English | **53**

User Interface

You can set up user interface (IF) parameters.

Displaying the User I/F 1 screen
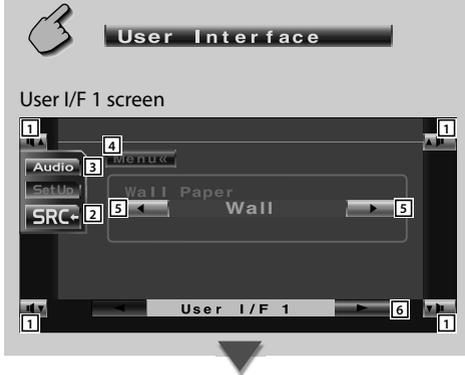
User Interface

User I/F 1 screen

Audio
SetUp
SRC←

Menu«

Wall Paper
Wall

User I/F 1

1 Adjusts the volume.
2 Returns to the Control screen of the previous source.
3 Calls the Sound Effects Menu. (see page 62)
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

User I/F 2 screen

Audio
SetUp
SRC←

Menu«
On SCRN NAV   Auto
On SCRN VIDEO MANU
On SCRN TV   MANU

User I/F 2

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.
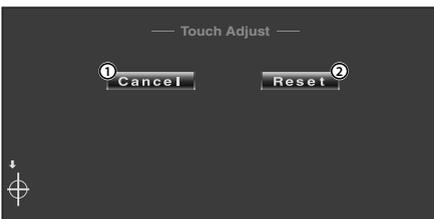
1 Display the Touch Panel Adjust screen

        Touch

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 62)
④ Calls the Setup Menu.
⑤ Allows you to start touch panel adjustment.

2 Start to adjust the touch panel

        Set

— Touch Adjust —

①Cancel   Reset②

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

You can adjust the clock time.

1 Display the Clock screen

        Clock

If ▐ Clock ▌▌ is not shown, touch ▐ ▲ ▌ or ▐ ▼ ▌ to display it.
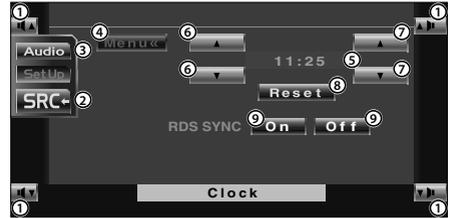
① Adjusts the volume.
② Returns to the Control screen of the previous source.
③ Calls the Sound Effects Menu. (see page 62)
④ Calls the Setup Menu.
⑤ Clock time display.
⑥ Adjusts hours.
⑦ Adjusts minutes.
⑧ Sets "00" minute.
   Setup examples: 3:00~3:29 ➜ 3:00
                   3:30~3:59 ➜ 4:00
⑨ Sets the clock time in synchronization with the time data sent from the RDS station. (✎ Off) When turned "On", the synchronized mode starts and the clock cannot be adjusted manually.

2 Adjust the clock time

        ▐ ▲ ▌ ▐ ▼ ▌

English | **55**

Security Code Setup

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

⟨📖⟩

• When the Security Code function is activated, the code cannot be changed and the function cannot be released. Note, the Security Code can be set as the 4 digit number of your choice.
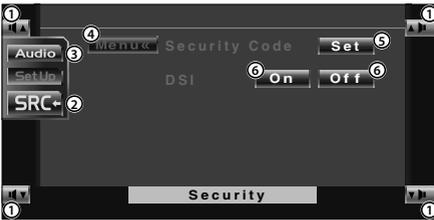
1 Display the Security Code Setup screen

Security

If **Security** 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 62)
④ Calls the Setup Menu.
⑤ Allows you to start security code registration.
⑥ 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

Pass Word

1st

Clear   **Cancel**   **Enter**
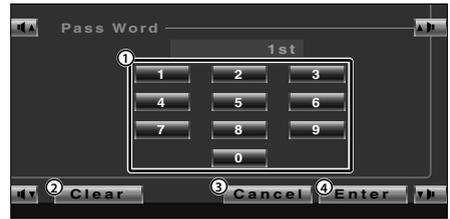
① Enters the numbers to make your security code.
② Clears your entry.
③ Cancels the registration and returns to the Security Code Setup screen.
④ Registers your security code.

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

$$0 \quad - \quad 9$$

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

2   Enter the security code

Enter
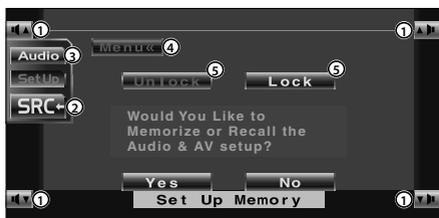
Now, you can use your Receiver.

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

Set Up Memory

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 62)
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

Yes

To cancel memorization, touch **No**. The Setup Menu screen appears again.
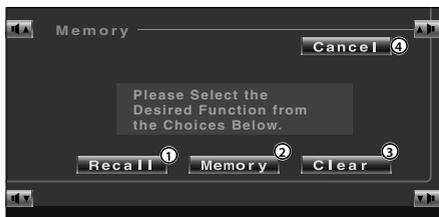
① Recalls the memorized settings.
② Memorizes the current Audio Set Up and AV Interface settings.
③ Clears the currently memorized settings.
④ Returns to Set Up Memory screen.

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

Memory

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

When recalling the memorized settings:

Recall

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

When clearing the currently memorized settings:

Clear

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

4 Quit memorization/recalling of settings

Cancel

SIRIUS Setup <North American sales only>

You can display the SIRIUS ID. (with the optional accessory SIRIUS Tuner connected only)

### Displaying the SIRIUS Set Up screen

SIRIUS Set Up

SIRIUS Set Up screen

⑴ Adjusts the volume.

⑵ Returns to the Control screen of the previous source.

⑶ Calls the Sound Effects Menu. (see page 62)

⑷ Calls the Setup Menu.

⑸ Displays the SIRIUS ID

⊚

• If SIRIUS Set Up is not shown, touch ▲ or ▼ to display it.

DAB Set Up

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

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 62)

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 61)

⁅⁓⁆

• 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 60 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

Sound Effects Menu

Sound Effects Menu

You can set up the receiver sound effects.

Displaying the Control screen

Control screen

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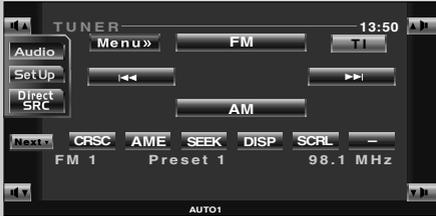
• You can display the same Sound Effects Menu on the Control screen of any source.

Displaying the Sound Effects Menu screen

Audio

Sound Effects screen

1 Adjusts the volume.
2 Calls the Sound Effects Menu.
3 Calls the Setup Menu. (see page 46)
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 47) 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 1 screen

Displaying the Audio Control 2 screen

Audio Control 2 screen

1 Adjusts the volume.
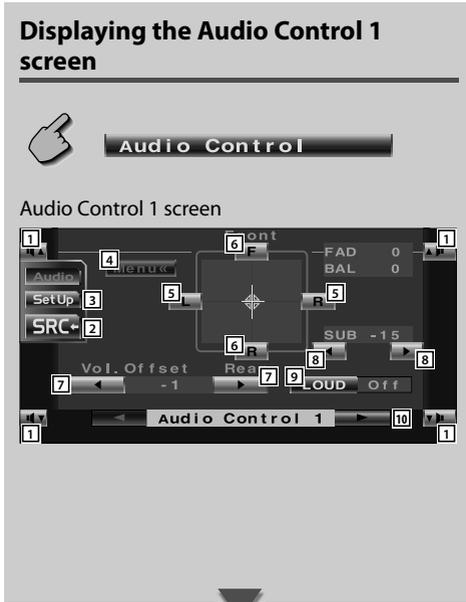
2 Returns to the Control screen of the previous source.

3 Calls the Setup Menu. (see page 46)

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.

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
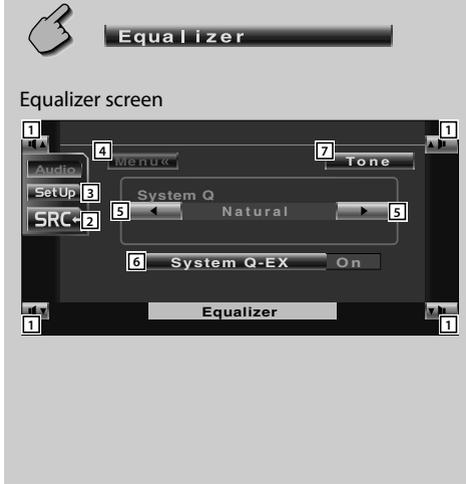
Equalizer

Equalizer screen

1 Adjusts the volume.

2 Returns to the Control screen of the previous source.

3 Calls the Setup Menu. (see page 46)

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 65)

Tone curve setup

You can set a Tone curve.

1 **Display the Tone setup screen**

Tone

Tone setup screen

① Tone
② Bass FREQ ◄ 80 ►
③ Middle Level ◄ -5 ►
④ Treble Q Factor ◄ 1.00 ►
⑥ Flat ⑤ Bass DC EXT Off
⑦ Return

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**

Bass | Middle | Treble

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**

FREQ
◄   ►

4 **Set a level**

Level
◄   ►

5 **Set a Q factor**

Q Factor
◄   ►

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

6 **Close the Tone setup screen**

Return

English | **65**
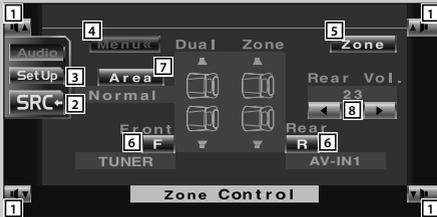
Zone Control

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 46)

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 64) and Loudness (see page 63) are not effective for the rear channel (or front channel when "Area" is set to "Reverse") .

  - Audio Setup function (see page 47) and Equalizer setting function (see page 64) 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>.

? The desired source is NOT selected although you pressed the SRC button.
- ✔ A non-connected source cannot be selected.
- ☛ 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>.

? **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 (200kHz)
: 87.9~107.9MHz
Usable sensitivity (S/N=30dB)
: 9.3dBf (0.8μV/75Ω)
Quieting sensitivity (S/N=50dB)
: 15.2dBf (1.6μV/75Ω)
Frequency response (±3.0dB)
: 30Hz~15kHz
S/N (dB) (MONO)
: 70dB
Selectivity (±400kHz)
: ≥ 80dB
Stereo separation
: 40dB (1kHz)

AM Tuner section

Frequency range (10kHz)
: 530kHz~1700kHz
Usable sensitivity
: 28dBμ

Video section

Color system of external video input
: NTSC
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
Full Bandwidth Power (Front&Rear)(at Less than 1%THD)
: 22W×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
7-3/16×2-1/16×6-3/8inch
Hideaway unit: 225mm×40mm×168mm
8-7/8×1-9/16×6-5/8inch
Operational temperature range
: -10℃ – 60℃
Storage temperature range
: -20℃ – 85℃
Weight
Main unit: 1.7kg
3.7lbs
Hideaway unit: 1.1kg
2.4lbs

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.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

KENWOOD