

# KENWOOD

## VZ907

5.8-Inch WIDE TELEVISION WITH CD PLAYER

### INSTRUCTION MANUAL

GRAND ECRAN DE TELEVISION RÉTRACTABLE DE 15 cm AVEC LECTEUR

### MODE D'EMPLOI

KENWOOD CORPORATION

**Take the time to read through this instruction manual.**

**Familiarity with installation and operation procedures will help you obtain the best performance from your new television with CD player.**

#### **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 VZ907 Serial number \_\_\_\_\_

© PRINTED IN JAPAN B64-1241-00 (K)(+)  
'99/6 5 4 3 2 1 '98/12 11 10 9 8 7 6 5

COMPACT  
**disc**  
DIGITAL AUDIO

# Contents

<b>Before Use</b>	
Warning.....	3
Safety Precautions.....	5
Handling Compact Discs.....	7
<b>Visual Function</b>	
Monitor Open/Close.....	8
Power Off.....	8
Switching Monitor's Picture.....	9
Switching AV Output Picture.....	9
Turning Monitor's Picture Off.....	9
Displaying Screen Control Screen.....	9
Switching Picture Mode.....	10
Switching Menu Screen.....	10
<b>Audio Control Function</b>	
Adjusting Audio.....	11
<b>System Set Up Function</b>	
Setting System.....	12
Adjusting Time.....	14
Adjusting Touch Position.....	14
Code Security Function.....	15
<b>Basic Source Control Function</b>	
<b>Basic operations with the buttons</b>	
Switching Source Modes.....	16
Increasing Volume.....	16
Decreasing Volume.....	16
Changing Back Picture.....	16
<b>Basic operations with the source control screens</b>	
Switching Source Control Screen A and B.....	16
Switching Menu Screen.....	16
<b>TV Function</b>	
<b>TV operations with the buttons</b>	
Selecting Bands.....	17
Tuning.....	17
<b>TV operations with the control screens</b>	
Selecting Bands.....	18
Tuning.....	18
Station Preset Memory.....	18
Auto Memory Entry.....	18
Selecting Video Inputs.....	18
TV List Screen.....	19
Selecting Channel on the TV Picture Screen.....	19
<b>TUNER Control Function</b>	
<b>Tuner operations with the buttons</b>	
Selecting Bands.....	20
Tuning.....	20
<b>Tuner operations with the control screens</b>	
Selecting Bands.....	21
Tuning.....	21
Station Preset Memory.....	21
Auto Memory Entry.....	21
Function Control Screen.....	22
Tuner List Screen.....	22
<b>RBDS Function</b>	
RBDS (Radio Broadcast Data System).....	23
Alarm.....	23
Traffic Information Function.....	23
Program Type (PTY) Function.....	24
Display Select Screen.....	25
<b>Disc Control Function</b>	
<b>CD / Disc changer operations with the buttons</b>	
Inserting CDs.....	26
Track Search.....	26
Fast Forwarding and Reversing Disc Play.....	26
Eject.....	26
Disc Search (Function of disc changers).....	26
<b>CD / Disc changer operations with the control screens</b>	
Pausing and Restarting CD Play.....	27
Track Search.....	27
Fast Forwarding and Reversing Disc Play.....	27
Disc Search (Function of disc changers).....	28
Track Repeat Function.....	28
Disc Repeat Function (Function of disc changers).....	28
Track Scan Function.....	28
Disc Scan Function (Function of disc changers).....	28
Random Play Function.....	29
Magazine Random Play Function (Function of disc changers).....	29
Switching Name Set Screen (CD player only for selecting on the control screen).....	29
Disc List Screen (Function of disc changers).....	29
Display Select Screen.....	30
<b>Name Preset Function</b>	
Station Name Preset (SNPS) / Disc Name Preset (DNPS).....	31
<b>Remote Control Function</b>	32
<b>Installation</b>	
Accessories.....	34
Installation Procedure.....	34
Connecting Wires to Terminals.....	35
Installation.....	37
Connecting and Installation for Antenna Unit.....	38
Removing Unit.....	39
<b>Troubleshooting Guide</b>	40
<b>Specifications</b>	41

The control screens shown in this manual are for explanation purposes only. The actual screens and design differ.



## Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion — and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level **BEFORE** your hearing adapts.

### To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

### Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

## We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

### Decible

#### Level Example

30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

### THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.



**Warning****CAUTION**

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD CORPORATION  
2967-3, ISHIKAWA-CHO,  
HACHIOJI-SHI  
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT  
CONFORMS TO DHHS REGULATIONS NO.21 CFR  
1040. 10, CHAPTER I, SUBCHAPTER J.

Location : Bottom Panel

**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.

**NOTE**

This Class B digital apparatus meets all requirements of the Canadian interference-Causing Equipment Regulations.

## Safety Precautions

### WARNING

**This video unit is set for rear passenger use only. Use of this video unit in any front seat and/or where it may be visible to the driver may be illegal in some states and may cause driver distraction and accident which could injure or kill you.**

### WARNING

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

- Ensure that the unit is securely installed. Otherwise it may fly out of place during collisions and other jolts.
- When extending the ignition, battery or ground cables, make sure to use automotive-grade cables or other cables with an area of 0.75mm<sup>2</sup> (AWG18) or more to prevent cable deterioration and damage to the cable coating.
- To prevent short circuits, never put or leave any metallic objects (e.g., coins or metal tools) inside the unit.
- If the unit starts to emit smoke or strange smells, turn off the power immediately and consult your Kenwood dealer.
- Do not touch the liquid crystal fluid if the LCD is damaged or broken due to shock. The liquid crystal fluid may be dangerous to your health or even fatal.  
If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately.

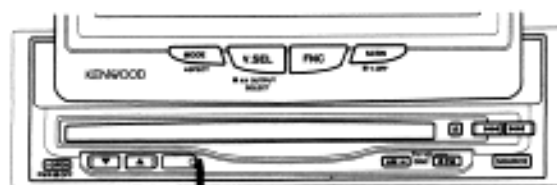
### CAUTION

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

- Make sure to ground the unit to a negative 12V DC power supply.
- Do not open the top or bottom covers of the unit.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not subject the faceplate to excessive shock, as it is a piece of precision equipment.
- When replacing a fuse, only use a new one with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction.
- To prevent short circuits when replacing a fuse, first disconnect the wiring harness.
- During installation, do not use any screws except for the ones provided. The use of improper screws might result in damage to the main unit.
- You cannot view video pictures while the vehicle is moving. To enjoy video pictures, find a safe place to park and engage the parking brake.

### NOTE

- If you experience problems during installation, consult your Kenwood dealer.
- If the unit does not seem to be working right, try pressing the reset button first. If that does not solve the problem, consult your Kenwood dealer.



Reset button

- We strongly recommend the use of the Code Security function (see p.15) to prevent theft.

## Safety Precautions

### Cleaning the Unit

If the front panel gets dirty, turn off the power and wipe the panel with a dry silicon cloth or soft cloth.

#### CAUTION

Do not wipe the panel with a stiff cloth or a cloth dampened by volatile solvents such as paint thinner and alcohol. They can scratch the surface of the panel and/or remove the indicator letters.

### Cleaning the CD Slot

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

### Lens Fogging

Right after you turn on the car heater in cold weather, dew or condensation may form on the lens in the CD player of the unit. Called lens fogging, CDs may be impossible to play. In such a situation, remove the disc and wait for the condensation to evaporate. If after the condensation has evaporated the unit still does not operate normally, consult your Kenwood dealer.

### Screen brightness during low temperatures

When the temperature of the unit falls such as during winter, the liquid crystal panel's screen will become darker than usual. Normal brightness will return after using the monitor for a while.

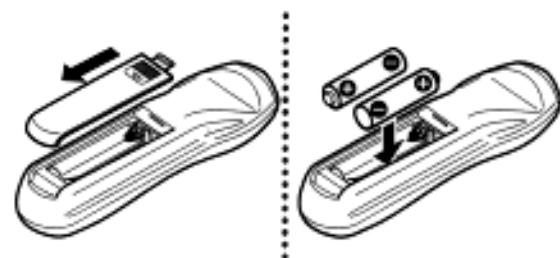
### Loading and Replacing the Batteries for the Remote

#### CAUTION

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

### Loading and Replacing the Batteries

1. Use two LR03 batteries.  
Slide the cover while pressing downwards to remove it as illustrated.
2. Insert the batteries with the  $\oplus$  and  $\ominus$  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.

#### NOTE

- 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.

## Handling Compact Discs

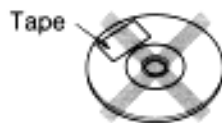
**Playing a CD that is dirty, scratched or warped can cause the sound to skip and the unit to operate incorrectly, resulting in worsened sound quality. Take the following precautions to prevent your CDs from getting scratched or damaged.**

### Handling CDs

- Do not touch the recorded side of the CD (i.e., the side opposite the label) when holding it.



- Do not stick tape on either side of the CD.

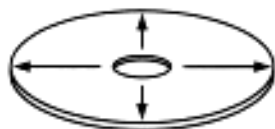


### Storing CDs

- Do not store CDs in areas exposed to direct sunlight – such as a car seat or above the fascia panel (dashboard) – or other hot places.
- If you will not be using the unit for a long period of time remove the CDs from the unit and put them back in their cases. Do not stack CDs that have been removed from their cases or prop them against something.

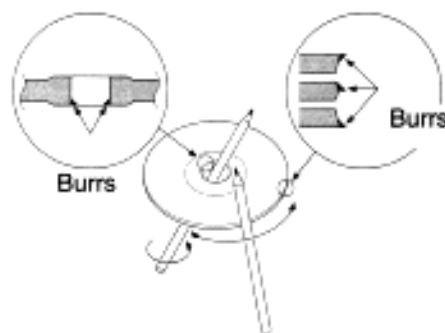
### Cleaning CDs

If a CD has become dirty, wipe it off gently using a commercially available cleaning cloth or a soft cotton cloth, starting from the centre of the disc and moving outward. Do not clean CDs with conventional record cleaners, anti-static formulas, or chemicals such as paint thinner or benzene.



### Checking New CDs for Burrs

When playing a new CD for the first time, check that there are not any burrs stuck to the perimeter of the disc or in the central hole. CDs with burrs stuck on them may not load properly or may skip whilst playing. Remove burrs using a ballpoint pen or a similar utensil.

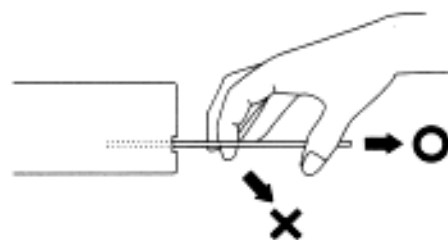


### Do Not Load CD Accessories in Slot

Do not use commercially available CD accessories that can be loaded into the CD slot, such as stabilisers, protective sheets, or CD cleaning discs, since they can cause the unit to malfunction.

### Removing the CD

Only remove the CD from the machine in a horizontal direction. You may damage the surface of the CD if you try pulling it down as it ejects.



### CAUTION


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

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

### Do Not Use Special Shape CDs

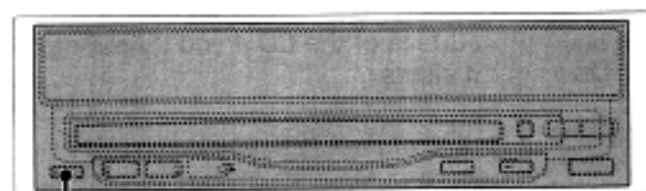
- Be sure to use round shape CDs only for this unit and do not use any special shape CDs. Use of special shape CDs may cause the unit to malfunction.



- Be sure to use CDs with disc mark  only for this unit.

## Visual Function

### Monitor Open/Close



OPEN

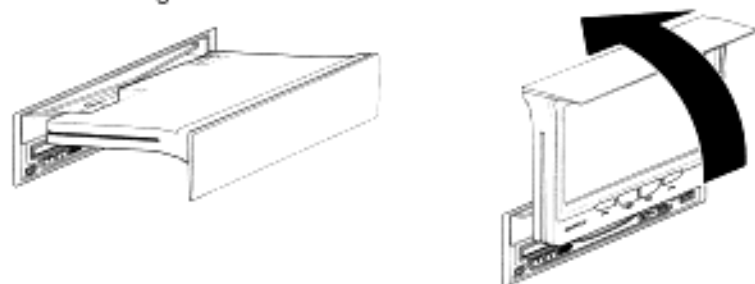
#### Opening the Monitor:

- 1 Set the vehicle's parking brake.
- 2 Press the OPEN button. The monitor opens.

#### CAUTION

The gear shift lever or other parts may interfere with the monitor when it opens. If so, move the gear shift lever (being sure to do so safely) before operating the set. (The monitor is drawn back in automatically if it cannot be opened normally due to an obstacle.)

- 3 Once the monitor is fully out, lift it by hand and set it to an easily visible angle.

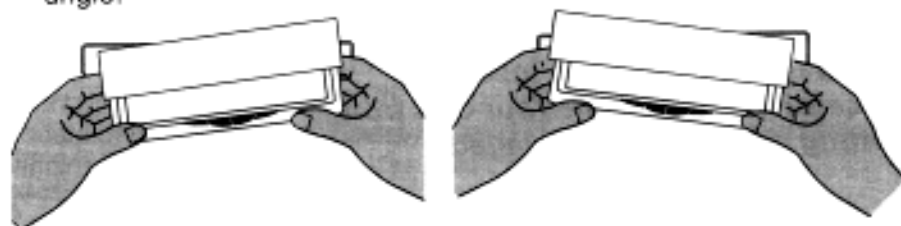


#### NOTE

- The monitor cannot be opened unless the parking brake is set.
- The monitor is drawn back in automatically if it is not lifted in the 15 seconds after it is opened.

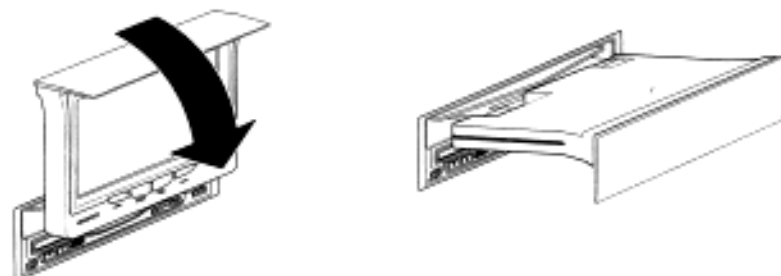
#### Adjusting the Left/Right Angle:

Grasp both the sides of the monitor and set it to an easily visible angle.



#### Closing the Monitor:

Set the left/right angle to the center then lower the monitor so that it is completely flat. The monitor is then drawn in automatically after 2 seconds.



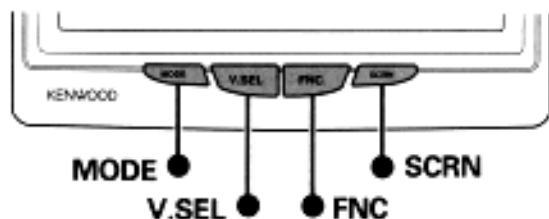
#### NOTE

- The monitor will not be drawn in automatically if it is lowered before setting the left/right angle to the center. In this case, press the OPEN button. The monitor is drawn in.
- The monitor is not drawn in while CDs are being ejected.
- The monitor can be closed even if the power is off.
- The position to which the monitor slides when the power is turned on can be set. (Refer to the screen control menu on (page 9).)
- If the power is turned off then back on while the monitor is open, the slide mechanism operates for several seconds in order to detect the initial position.

#### Power Off

Press the OPEN button for over 1 second to turn the set's power off.  
Press the OPEN button to turn the power on.





### Switching Monitor's Picture

The monitor's picture switches as shown below each time the V.SEL button is pressed.

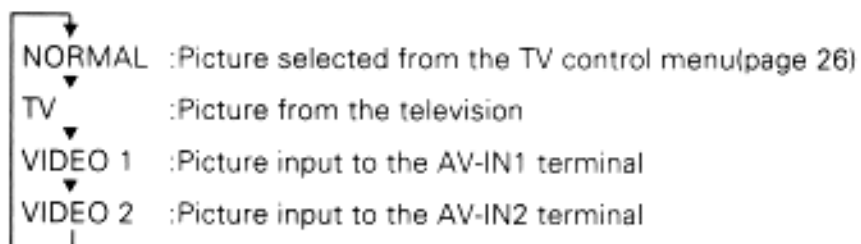
Television or Video 1 or Video 2 ↔ Navigation

#### CAUTION

You cannot view video pictures while the vehicle is moving. To enjoy video pictures, find a safe place to park and engage the parking brake.

### Switching AV Output Picture

The AV output picture switches as shown below each time the V.SEL button is pressed for over 1 second. (The current setting is displayed when the picture is switched.)



#### NOTE

When the A907 is connected, the sound of the AV output also switches.

### Turning Monitor's Picture Off

Press the SCRN button for over 2 seconds to turn the monitor's picture off.

#### NOTE

The picture reappears when a button on the monitor panel is pressed, when the monitor is lowered then lifted again, and when the engine key is removed then reinserted.



### Displaying Screen Control Screen

Pressing the SCRN button will cause the screen control screen (screen adjustment mode) to be displayed on the video screen.

#### Adjusting Picture Quality:

[BRIGHT] [▲](+) : The screen gets brighter.

[▼](-) : The screen gets darker.

[COLOR] [▲](+) : The screen color gets paler.

[▼](-) : The screen color gets deeper.

[TINT] [▲](red) : Red is intensified. [▼](green) : Green is intensified.

[DIMMER] This can be adjusted to any one of three levels.

[▲](+) : The screen gets brighter. [▼](-) : The screen gets darker.

#### Adjusting Slide Position:

[MONITOR SLIDE] This can be adjusted to two positions.

[▼] : The monitor to front. [▲] : The monitor to back.

#### Cancelling Screen Control Screen:

Touch the [OK].

#### NOTE

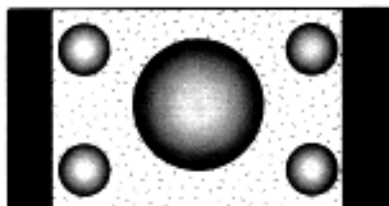
- The color and tint cannot be adjusted for the navigation screen or the graphic screens (source control, etc.).
- The dimmer cannot be adjusted when the vehicle's lights are off or when the illumination cable is not connected.
- Separate picture quality settings can be stored for the television, video 1, video 2 and navigation screens and for day and night.

## Visual Function

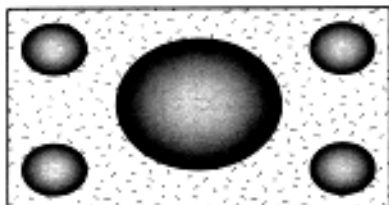
### Switching Picture Mode ( for TV and video picture)

The picture mode switches between normal, full, just and zoom each time the MODE button is pressed.

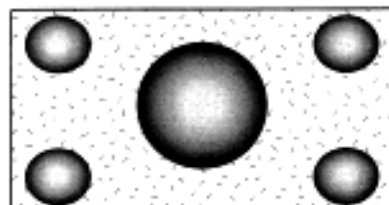
#### • Normal mode



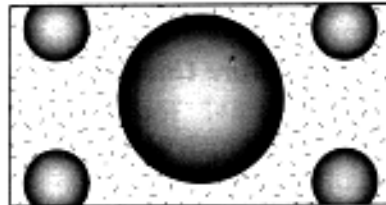
#### • Full mode



#### • Just mode



#### • Zoom mode



### Switching Menu Screen

When using for the first time, the menu screen appears when the FNC button is pressed.



### Switching Set Up Screen:






Touch the [ SET UP ] to switch the set up screen.  
<see p.12>

### Switching Audio Control Screen: (with A907)

Touch the [ AUDIO ] to switch the audio control screen. <see p.11>

### Switching Source Control Screen:

Touch the character to switch the source control screen as follows:

-  : Touch this character to switch the FM/AM tuner mode control screen. <see p.20> (with A907)
-  : Touch this character to switch the CD mode control screen. <see p.27>
-  : Touch this character to switch the disc changer mode control screen. <see p.27> (with C907)
-  : Touch this character to switch the TV mode control screen. <see p.17>
-  : Touch this character to switch the standby mode screen.

The mark for the currently selected source is displayed in light blue.

#### NOTE

- Up to two disc changers can be operated. (When two disc changers are connected, they must be switched with the disc changer 1-2 switch.)
- When a disc is ejected, a net appears over the source mark and the mark cannot be operated.

### Canceling the Menu Screen:

When [ RTN ] is touched, the picture switches to the current control screen for the current source.

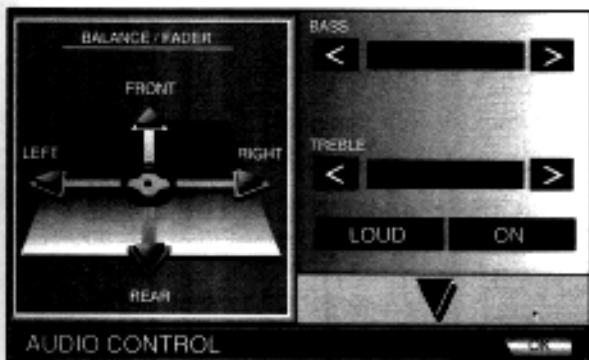
## Audio Control Function (with A907)

### Adjusting Audio

Adjust various parameters of sound quality.

#### Switching Audio Control Screen:

Touch the [ AUDIO ] on the menu screen to switch the audio control screen.



#### Switching Setting Lists:

Touch the [ ▼ ] or [ ▲ ], to switch the audio control lists.

#### Adjusting Balance and Fader Levels:

- Each time you touch the [ ◀ ] (LEFT), Left channel emphasized.
- Each time you touch the [ ▶ ] (RIGHT), Right channel emphasized.
- Each time you touch the [ ▲ ] (FRONT), Front channel increased.
- Each time you touch the [ ▼ ] (REAR), Rear channel increased.

#### Adjusting Bass Level:

- Each time you touch the [ < ], Bass decreased.
- Each time you touch the [ > ], Bass increased.

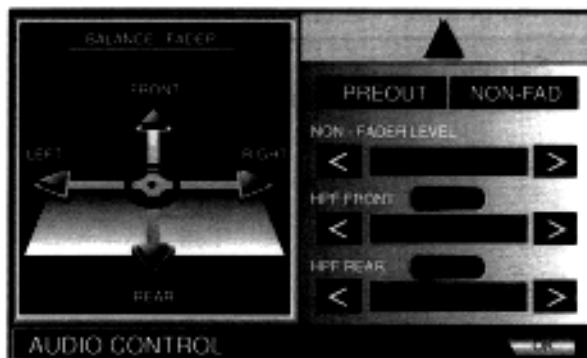
#### Adjusting Treble Level:

- Each time you touch the [ < ], Treble decreased.
- Each time you touch the [ > ], Treble increased.

#### Turning Loudness On/Off:

This function amplifies low and high tones when the volume is turned down. The LOUD indicator is displayed on the source control screen, when the loudness function is on.

Touch the [ LOUD ] to switch the loudness on " ON " and off " OFF ".



#### Setting Preout:

Touch the [ PREOUT ] to switch the non-fading preout " NON-FAD " and Rear preout " REAR ".

#### Adjusting Non-Fading Preout Level:

- Each time you touch the [ < ], The front and rear sound decreased.
- Each time you touch the [ > ], The non-fading sound increased.

#### Setting High-Pass Filter for Front and Rear Output:

Each time you touch the [ < ] or [ > ], You can select the frequency to be cut, as follows:

THROU (through) ⇄ 40Hz ⇄ 60Hz ⇄ 80Hz ⇄  
220Hz ⇄ 180Hz ⇄ 150Hz ⇄ 120Hz ⇄ 100Hz ⇄

#### Ending Audio Control Screen:

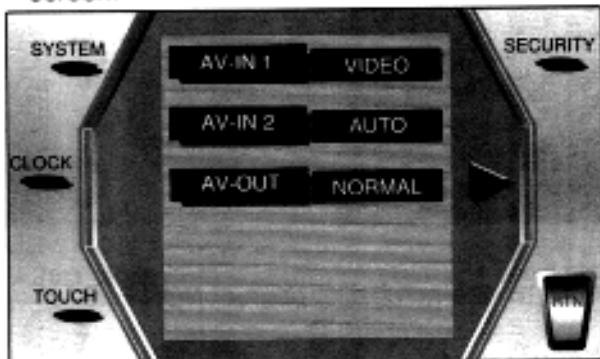
Touch the [ OK ] to return the menu screen.

## System Set Up Function

### Setting System

#### Switching System Setting Screen:

Touch the [ SET UP ] on the menu screen to switch the system setting screen.



#### Switching Setting Lists:

Touch the [ ◀ ] or [ ▶ ] to switch the setting lists.

#### AV Input 1 Setting:

When [ AV-IN1 ] is touched, the AV IN 1 terminal's input setting switches between "NAV" and "VIDEO".

#### NOTE

If a navigation unit is connected to AV IN1, be sure to set it to "NAV".

#### AV Input 2 Setting:

When "AV-IN2" is touched, the AV IN 2 terminal's input setting switches between "AUTO" and "MANUAL".

When set to "AUTO", the monitor's picture automatically switches to video 2 when video signals are input to the AV IN 2 terminal, and returns to the previous picture when no more video signals are input.

#### NOTE

The auto function will not work if the V.SEL or other buttons are operated and another picture is selected while this function is on. (The previous picture will not reappear when no more video signals are input.)

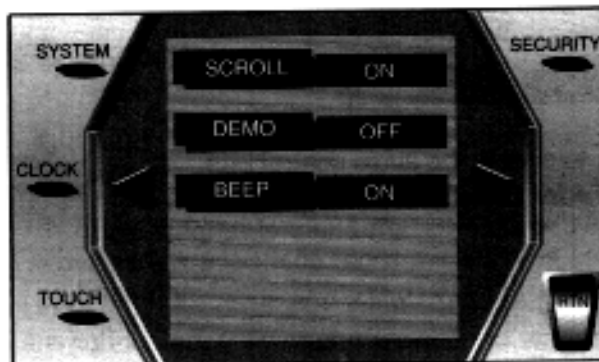
#### Setting AV Output Visual:

Touch the [ AV-OUT ], the video of the AV output terminal will be switched as follows.

- NORMAL : Picture selected from the TV control menu (page 26)
- TV : Picture of the television
- VIDEO 1 : Picture input to the AV-IN1 terminal
- VIDEO 2 : Picture input to the AV-IN2 terminal

#### NOTE

When the A907 is connected, the sound of the AV output also switches.



#### Setting Auto Scroll Display Function:

This function permits the text to be scrolled and the entire text to be displayed. Switching between manual scrolling and automatic scrolling is permitted. The factory default is automatic scrolling.

Touch the [ SCROLL ] to switch the text scroll setting auto "ON" and manual "OFF".

"ON": Automatic scrolling

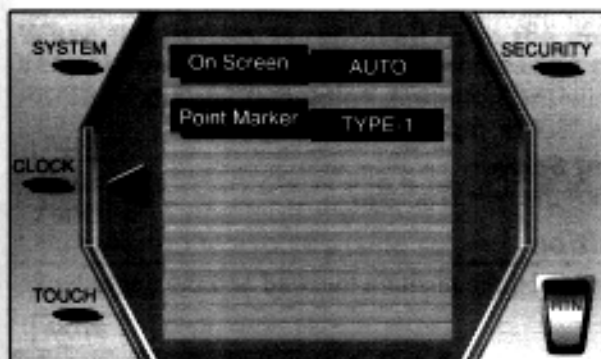
"OFF": Manual scrolling

#### Setting Touch Sensor Tone :

Touch the [ BEEP ] to switch the beep sound setting on "ON" and off "OFF".

#### Setting Demonstration Function:

Touch the [ DEMO ] to switch the demonstration mode on "ON" and off "OFF". When set to "ON", the graphic screen's background mode switches repeatedly.



### Setting On Screen Display Function:

Touch the [ On Screen ] to switch the on screen function auto \* AUTO \* and manual \* MANUAL \*.

\* AUTO \* :When a button on the main unit or remote control unit is operated or if the lower center of the screen is touched while a TV/video picture is displayed, the audio source, picture settings, video out settings, etc., are temporarily superimposed on the picture.

\* MANUAL \* :If the lower center of the screen is touched while a TV/video picture is displayed, the audio source, picture settings, video out settings, etc., are superimposed on the picture. The display turns off when the lower center of the screen is pressed again.

### Tuning mode

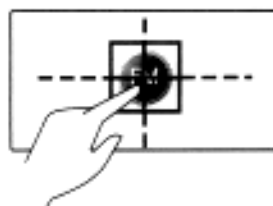


Source control information

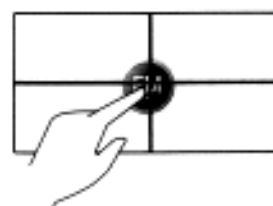
### Setting the Pointer Display Function:

When the graphic screen is touched, the pointer display setting switches between "TYPE-1", "TYPE-2" and "OFF" (no pointer is displayed) each time [ Point Marker ] is touched.

#### Pointer TYPE-1



#### Pointer TYPE-2



### Ending System Setting Screen:

Touch the [ RTN ] to return the menu screen.

## Adjusting Time

You can adjust the time manually. Also, with the automatic time adjustment function set at ON, you can set the clock time automatically according to time data sent from RBDS stations (after receiving RBDS signals for several minutes). The factory default is manual time adjustment.

### Switching Time Adjustment Screen:

Touch the [ CLOCK ] on the system setting screen to switch the time adjustment screen.



### Turning Automatic Time Adjustment On/Off:

Touch the [ SYNC ] to switch the automatic time adjustment on ' ON ' and off ' OFF '.

### Adjusting Time Automatically:

Tune to a RBDS station and receive the signal for several minutes. The clock will adjust automatically to the local time.

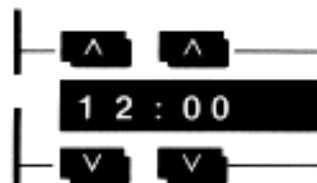
#### NOTE

The clock will not adjust automatically if the RBDS station tuned to be not transmitting time data. In such a case, try another RBDS station.

### Adjusting Time Manually:

Touch the [ M ] to advance the hours.

Touch the [ ? ] to make the hours go back.



Touch the [ M ] to advance the minutes.

Touch the [ ? ] to make the minutes go back.

### Setting the Minutes to "00":

Touch the [ RESET ] to set the minutes to '00'.

#### NOTE

Touch the [ RESET ] while the minute is below '30' rounds it off, and while the minute is '30' or more rounds it up.

### Ending Time Adjustment Screen:

Touch the [ RTN ] to return the menu screen.

## Adjusting Touch Position

The touch panel can be adjusted if the position touched and the operation performed do not match.

### Switching Touch Panel

#### Adjustment Screen:

Touch the [ TOUCH ] on the system setting screen to switch the touch panel adjustment screen.



### Adjusting Touch Position:

Accurately touch the mark at the lower left and the mark at the upper right, following the instructions in the messages.

When the mark at the upper right is touched, the adjustment is completed and the system setup screen reappears.

#### NOTE

- If [ CANCEL ] is touched without touching the button at the lower left, the adjustment is canceled and the screen that was set before switching to the adjustment screen reappears.
- If [ CANCEL ] is touched after touching the button at the lower left, the button at the lower left reappears.
- If [ RESET ] is touched, the settings are reset to the factory defaults and the system setting screen reappears.

## Code Security Function

**When the battery is removed from the unit's power switch, you cannot turn on the unit again unless the preset security code is input. This function helps prevent theft.**

### NOTE

You must follow steps 1 to 6 to be able to use the Security Code function. Turning off the power during the procedure will deactivate the security code setting.

- 1 Select the four digits to use in your security code.

### NOTE

The four-digit security code is very important, as you will need it to turn the unit on again when the code security function is on. Choose the number carefully and do not forget it (write it down and keep it separately in a safe place).

- 2 Touch the [ SECURITY ] for three seconds or more on the system setting screen to switch the security code input screen.
  - \* ENTER \* and \* CODE \* is displayed.



- 3 Touch the number [ 1 - 0 ] and enter your security code.

### NOTE

If you enter the wrong number, touch [ CLEAR ]. The last entered number is cleared.

- 4 Touch the [ ENTER ] for three seconds or more.

The security code will be set.

\* RE-ENTER \* will appear in the display for one second, asking you to enter the code once again for confirmation. When \* CODE- \* appears in the display, you can start inputting the code.

- 5 Touch the numer [ 1 - 0 ] and enter your security code again.
- 6 Hold down the \* ENTER \* again for three seconds or more. \* APPROVED \* will appear in the display, with the code security function turning on. From this point on, if the unit is disconnected from the battery, the security code must be entered the first time that the unit's power is turned on. \* ENTER \* and \* CODE- \* will appear in the display, asking you to input the code.

### NOTE

If you input an incorrect security code, the display ask you once more to input the correct one. Follow the procedure in step 3 above.

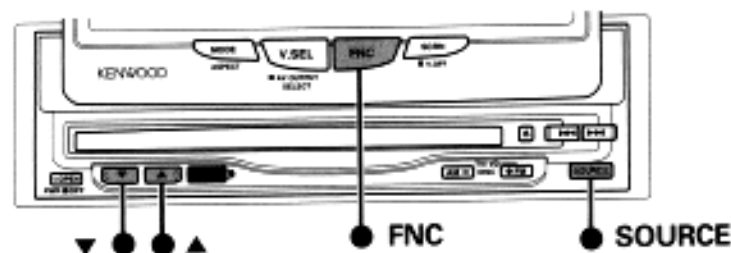
### ***If you press the RESET button or remove the battery:***

The first time you turn the unit on again, \* ENTER \* \* CODE- \* and will appear in the display, asking you to input the security code. Repeat steps 5 and 6 above, and input the security code. You can start operating the unit again when \* APPROVED \* appears in the display.

If you enter the incorrect code, the power will turn off. Enter the correct code to turn the unit on.

## Basic Source Control Function

### Basic operations with the buttons



### Switching Source Modes

Each time you press the SOURCE button, the mode switches as follows:

- ▼ Tuner mode (with A907)
- ▼ CD mode
- ▼ Disc changer mode (with C907)
- ▼ TV mode
- ▼ Standby mode (All off mode)

#### NOTE

- The mode switches to the next mode from any mode which cannot be used.
- When two disc changers are connected to the unit, the disc changer mode above is split into two modes: disc changer mode 1 and disc changer mode 2.

### Increasing Volume

Press the ▲ button to increase the volume.

### Decreasing Volume

Press the ▼ button to decrease the volume.

### Changing Back Picture

Each time you press the FNC button, the back picture mode changing seven patterns in the source control screen and menu screen.

### Basic operations with the source control screens



□ Source Control Screen (A)



□ Source Control Screen (B)

### Switching Source Control Screen A and B

Touch the character to switch the source control screen as follows:

- ☺: Touch this character to switch the source control screen(B).
- ☹: Touch this character to switch the source control screen(A).

#### NOTE

Source control screen (B) has more operable functions than source control screen (A). The following explanations are for source control screen (B).

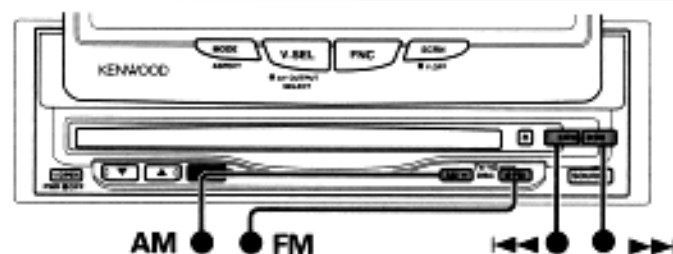
- ☺: Touch this character to switch the next source mode control.
- ☹: Touch this character to switch the previous source mode control.

### Switching Menu Screen

- ☺: Touch this character to switch the menu screen.



## TV operations with the buttons



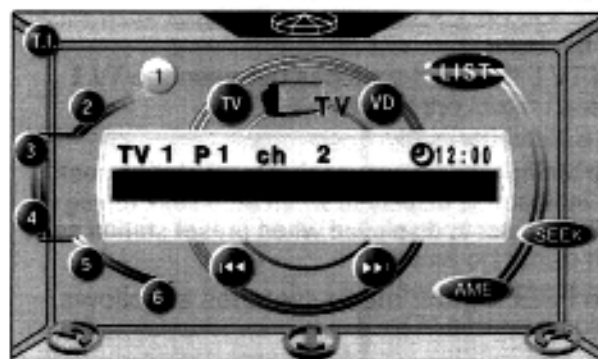
## Selecting Bands

Press the FM select the TV band.  
Each time you press the FM button, the TV bands switches between the TV1 and TV2.

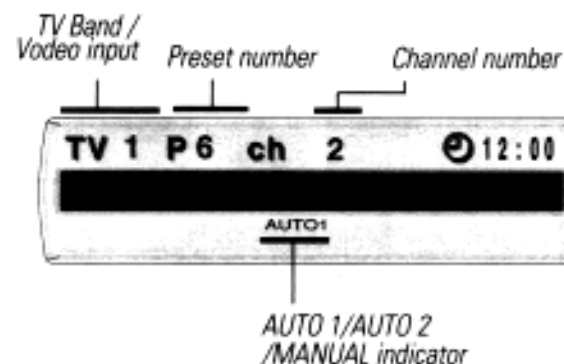
## Tuning

- Auto Seek Tuning  
Press the ►► button to seek increasing channels.  
Press the ◄◄ button to seek decreasing channels.
- Press station seek tuning  
Press the ►► button to move to the next preset station (the one with the next highest number), and the ◄◄ button to move to the last preset station (the one with the next lowest number).
- Manual Tuning  
Press the ►► button to increase the channel by one step.  
Press the ◄◄ button to decrease the channel by one step.

## TV operations with the control screens



□ Source Control Screen(B)



## TV Function

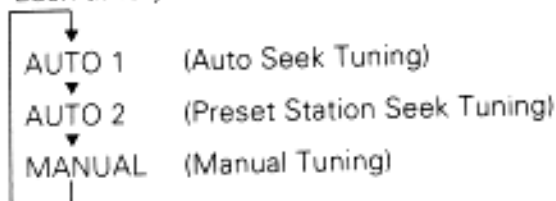
### Selecting Bands

Touch the [ TV ] to select the band.  
Each time you touch the [ TV ], the band switches between the TV 1 and TV 2.

### Selecting Tuning Mode:

You can choose from three tuning modes: auto seek, preset station seek, and manual. The "AUTO1" indicator is displayed when auto seek tuning is selected, and the "AUTO2" indicator is displayed when preset station seek tuning is selected.

Each time you touch the [ SEEK ], the mode switches as follows.



### Tuning

- Auto Seek Tuning (AUTO1)  
Touch the [ ►► ] to seek increasing channels.  
Touch the [ ◄◄ ] to seek decreasing channels.
- Preset station Seek Tuning (AUTO2)  
Touch the [ ►► ] to move to the next preset station (i.e., the one with the next highest number), and the [ ◄◄ ] to move to the last preset station (i.e., the one with the next lowest number).
- Manual Tuning (MANUAL)  
Touch the [ ►► ] to increase the channel by one step.  
Touch the [ ◄◄ ] to decrease the channel by one step.

### Station Preset Memory

Store the frequency of the station currently being listened to. You can then recall that station with a single touch of a button.

- 1 Select the band station that you want to have stored.
- 2 Hold down preset station number [ ① - ⑥ ] that you want to use for the station, for two seconds or more.

### Recalling a Preset Station:

Touch the preset station number [ ① - ⑥ ] for the desired station. The number of the recalled station is displayed.

### NOTE

You can store 6 stations in each of the TV1 and TV2 bands.

### Auto Memory Entry

You can automatically store all the receivable channels in the band currently being listened to, and then recall them with the touch of a button later. This function is especially useful when you are travelling and do not know what stations are available. Up to 6 stations can be stored this way.

- 1 Select the band for auto memory entry.
- 2 Touch the [ AME ].  
The color of the [ AME ], [ ►► ] and [ ◄◄ ] will change from blue to pink.
- 3 Touch the [ ►► ] or [ ◄◄ ] to start auto memory entry.  
The preset station number (① - ⑥) are shown in order.  
When all the stations in a certain band are stored in the preset memory, the auto memory entry stops. The tuner then plays the last station received.

### Recalling a Preset Station:

Touch the preset station number [ ① - ⑥ ] for the desired station. The number of the recalled station is displayed.

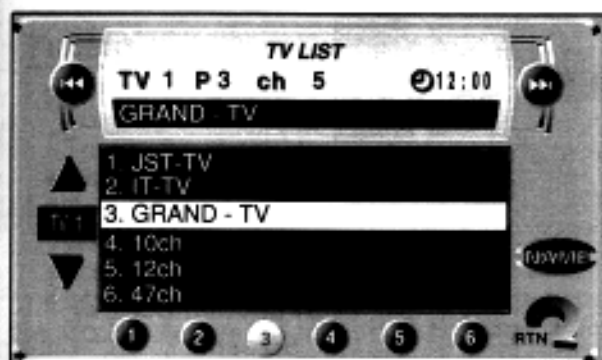
### Selecting Video Inputs

Each time you touch the [ VD ], the video input switches between the video 1 and video 2.

## TV List Screen

### Switching TV List Screen:

Touch the [ LIST ] on the source control screen(B) to switch the TV list screen.



### Selecting Band List:

Each time you touch the [ ▼ ] or [ ▲ ], the list switches between the TV1 and TV2.

### Selecting List:

Touch the preset station number [ ① - ⑥ ] for the desired station. The number of the recalled station is displayed.

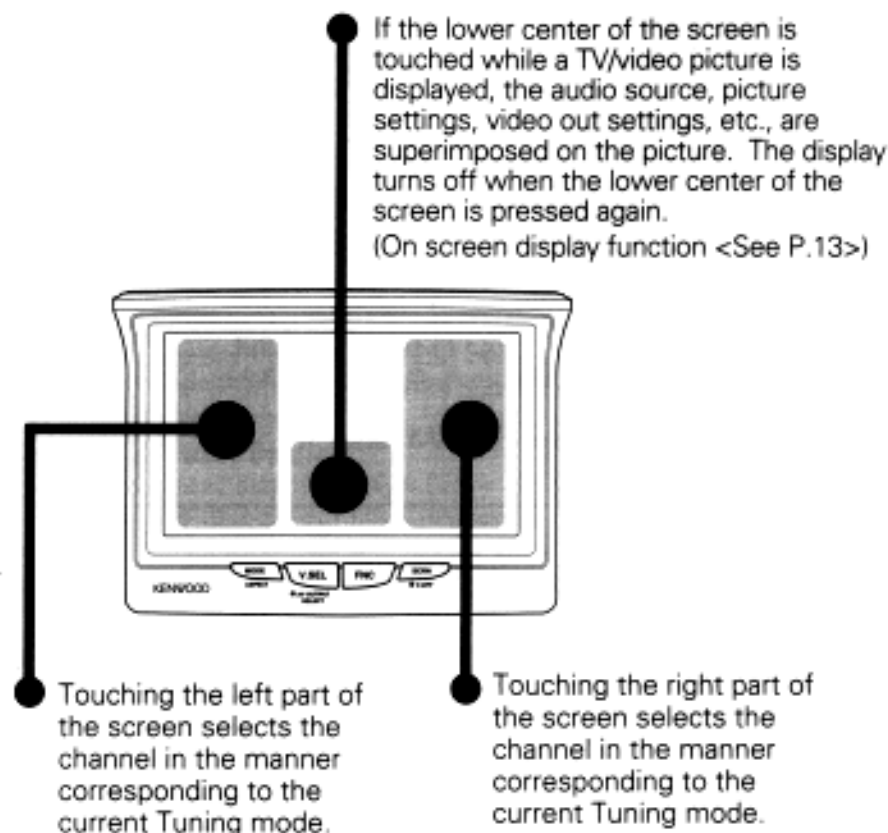
### Switching Name Set Screen:

- 1 Touch the number [ ① - ⑥ ] for the preset channel.
- 2 Touch the [ NAME ] for at least two seconds to switch the name set screen. <see p.31>

### Returning Source Control Screen:

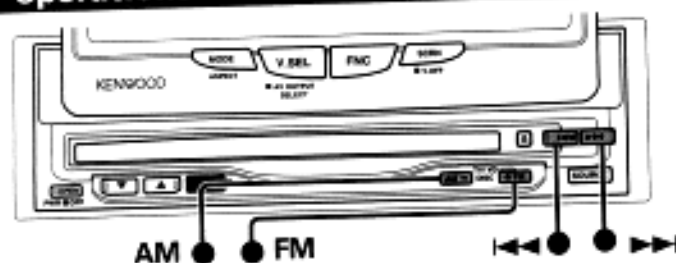
Touch the [ RTN ] to return the source control screen (B).

## Selecting Channel on the TV Picture Screen



## TUNER Control Function

### Tuner operations with the buttons



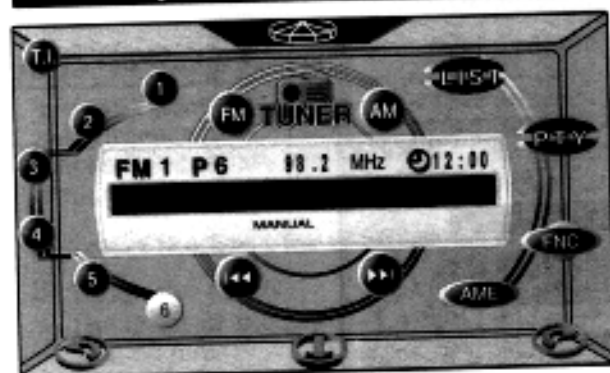
### Selecting Bands

Press either the FM or AM button to select the band.  
Each time you press the FM button, the band switches between the FM1, FM2 and FM3.  
Press the AM button to select the AM band.

### Tuning

- Auto Seek Tuning  
Press the ►► button to seek increasing frequencies.  
Press the ◀◀ button to seek decreasing frequencies.
- Press station seek tuning  
Touch the ►► button to move to the next preset station (the one with the next highest number), and the ◀◀ button to move to the last preset station (the one with the next lowest number).
- Manual Tuning  
Press the ►► button to increase the frequency by one step.  
Press the ◀◀ button to decrease the frequency by one step.

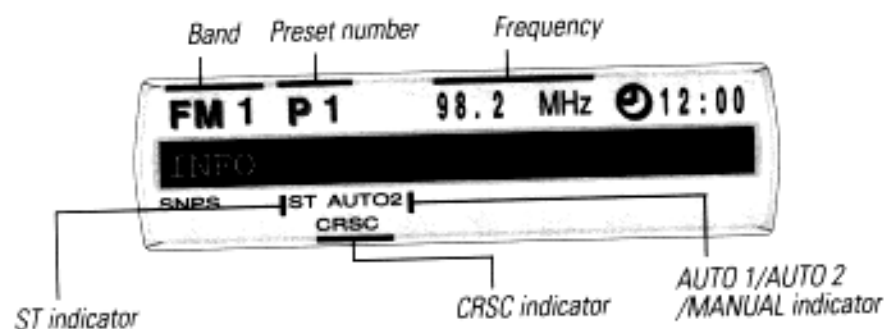
### Tuner operations with the control screens



□ Source Control Screen(B)



□ Function Control Screen



## Selecting Bands

Touch either the FM or AM button to select the band.  
Each time you touch the FM button, the band switches between the FM1, FM2 and FM3.  
Touch the AM button to select the AM band.

## Tuning

- Auto Seek Tuning (AUTO1)  
Touch the [ >>> ] to seek increasing frequencies.  
Touch the [ <<< ] to seek decreasing frequencies.
- Preset station Seek Tuning (AUTO2)  
Touch the [ >>> ] to move to the next preset station (i.e., the one with the next highest number), and the [ <<< ] to move to the last preset station (i.e., the one with the next lowest number).
- Manual Tuning (MANUAL)  
Touch the [ >>> ] to increase the frequency by one step.  
Touch the [ <<< ] to decrease the frequency by one step.

### NOTE

The ST indicator displayed when stereo broadcasts are being received.

## Station Preset Memory

Store the frequency of the station currently being listened to. You can then recall that station with a single touch of a button.

- 1 Select the band/ station that you want to have stored.
- 2 Hold down preset station number [ ① - ⑥ ] that you want to use for the station, for two seconds or more.

### Recalling a Preset Station:

Touch the preset station number [ ① - ⑥ ] for the desired station. The number of the recalled station is displayed.

### NOTE

You can store 6 stations in each of the FM1, FM2, FM3, and AM bands.

## Auto Memory Entry

You can automatically store all the receivable frequencies in the band currently being listened to, and then recall them with the touch of a button later. This function is especially useful when you are travelling and do not know what stations are available. Up to 6 frequencies can be stored this way.

- 1 Select the band for auto memory entry.
- 2 Touch the [ AME ].  
The color of the [ AME ], [ >>> ] and [ <<< ] will change from blue to pink.
- 3 Touch the [ >>> ] or [ <<< ] to start auto memory entry.  
The preset station number [ ① - ⑥ ] are shown in order.  
When all the stations in a certain band are stored in the preset memory, the auto memory entry stops. The tuner then plays the last station received.

### Recalling a Preset Station:

Touch the preset station number [ ① - ⑥ ] for the desired station. The number of the recalled station is displayed.

### NOTE

- When the local seek function is turned whilst auto memory entry takes place, stations with poor reception are not stored.
- When the Traffic Information function is on, only the local traffic information station frequency will be stored.

## TUNER Control Function

### Function Control Screen

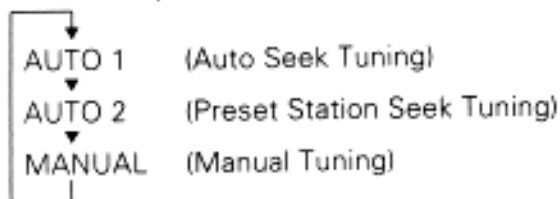
#### Switching Function Control Screen:

Touch the [ FNC ] on the source control screen (B) to switch the function control screen.

#### Selecting Tuning Mode:

You can choose from three tuning modes: auto seek, preset station seek, and manual. The "AUTO1" indicator is displayed when auto seek tuning is selected, and the "AUTO2" indicator is displayed when preset station seek tuning is selected.

Each time you touch the [ SEEK ], the mode switches as follows.



#### Turning CRSC On/Off:

Temporarily have reception switched from stereo to mono to reduce multi-path noise when listening to the FM station.

The factory default for this function is ON.

Touch the [ CRSC ] to switch the CRSC function on and off. The CRSC indicator is displayed when CRSC function is on.

#### Returning Source Control Screen:

Touch the [ RTN ] to return the source control screen (B).

### Tuner List Screen

#### Switching Tuner List Screen:

Touch the [ LIST ] on the source control screen(B) to switch the tuner list screen.



#### Selecting Band List:

Each time you touch the [ ▼ ] or [ ▲ ], the list switches between the FM1, FM2, FM3 and AM.

#### Selecting List:

Touch the preset station number [ ① - ⑥ ] for the desired station. The number of the recalled station is displayed.

#### Switching Name Set Screen:

- 1 Touch the number [ ① - ⑥ ] for the preset frequency.
- 2 Touch the [ NAME ] for at least two seconds to switch the name set screen. <see p.31>

#### Returning Source Control Screen:

Touch the [ RTN ] to return the source control screen (B).

## RBDS Function

### RBDS (Radio Broadcast Data System)

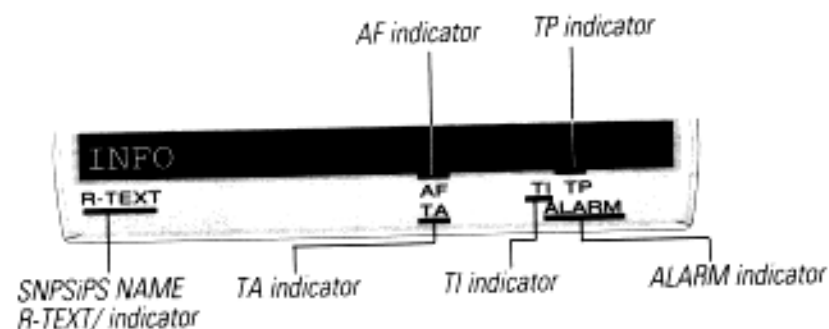
RBDS is a service used by radio stations to transmit data outside normal radio broadcast signals.

When an RBDS station is received, you can immediately find out what kind of data is being transmitted by looking at the program service name, which appears in the display after the frequency.

The AF indicator turns on when an RBDS station is being received.

### Alarm

When an emergency transmission (announcing disasters, etc.) is made, the current function will be interrupted to allow the warning to be received under the following conditions: during tuner reception, or when the Traffic Information function is turned on.



## Traffic Information Function

You can listen to traffic information. If you are listening to discs, they will continue playing until a traffic bulletin is broadcast.

### Turning TI function On/Off:

Touch the [ TI ] on the source control screen to turn the function on and off.

When the function is on, the TI indicator is turned on.

When a traffic information station is being received, the TP indicator will turn on. When none is being received, the color of TI indicator will change from black to pink.

When a traffic bulletin begins to be broadcast, the TA indicator will turn on.

If you are listening to a disc when a traffic bulletin begins, they will automatically be turned off. When the bulletin ends or poor reception is experienced, the disc will begin playing again.

### Switching to a Different Traffic Information Station:

Use the [ <<< ] / [ >>> ] to make an auto seek of the TI stations in a certain band.

#### NOTE

When you are listening to a disc, you cannot change to another TI station.

## RBDS Function



### Program Type (PTY) Function

Conduct auto seek tuning only on those stations with selected kinds of programs.

#### Switching Program Type Search Screen:

Touch the [ PTY ] on the source control screen (B) to switch the PTY search mode screen.

#### NOTE

You cannot use this function while the traffic information function is turned on.

#### Select the type of program to be received:

- 1 Touch either the [ ▼ ] or [ ▲ ] repeatedly to select the type of program lists you want to listen to.

The selection includes:

#### Program Type Display

News	News	S
Current Affairs	Current Affairs	S
Information	Information	S
Sport	Sport	S
Education	Education	S
Drama	Drama	S
Cultures	Cultures	S
Science	Science	S
Varied Speech	Varied Speech	S

Pop Music	Pop Music	M
Rock Music	Rock Music	M
M.O.R Music	M.O.R Music	M
Light Classics Music	Light Classics M	M
Serious Classics	Serious Classics	M
Other Music	Other Music	M
Weather & Metr	Weather & Metr	S
Finance	Finance	S
Children's Progs	Children's Progs	S
Social Affairs	Social Affairs	S
Religion	Religion	S
Phone In	Phone In	S
Travel & Touring	Travel & Touring	S
Leisure & Hobby	Leisure & Hobby	S
Jazz Music	Jazz Music	M
Country Music	Country Music	M
National Music	National Music	M
Oldies Music	Oldies Music	M
Folk Music	Folk Music	M
Documentary	Documentary	S
All Music	All Music	—
All Speech	All Speech	—

(S; Speech, M; Music)

- 2 Touch the [ ① - ⑤ ] to select the type of program.

#### Seeking the Selected Program Type:

Touch the [ ◀▶ ] or [ ▶▶ ] to make a seek of frequencies with your selected type of program.

The seek starts.

If your selected type of program is found, the name or the frequency of the station is displayed and the station is tuned into.

#### NOTE

If no program can be found, "NONE" is displayed.  
If you want to select another type of program.



**To register a non-RBDS station as a program type:**

- 1 Tune your radio to the non-RBDS station that you want to register as the program type.
- 2 Touch either the [ ▼ ] or [ ▲ ] repeatedly to select the type of program lists you want to listen to.
- 3 Touch the [ ① - ⑤ ] to select the type of program.
- 4 Touch the [ PTY Set ] for at least two seconds.  
The station will be registered as a program type, allowing it to be the target of frequency seeks just as RBDS stations are.

**NOTE**

You can store up to 48 stations.

**Ending Program Type Search Screen:**

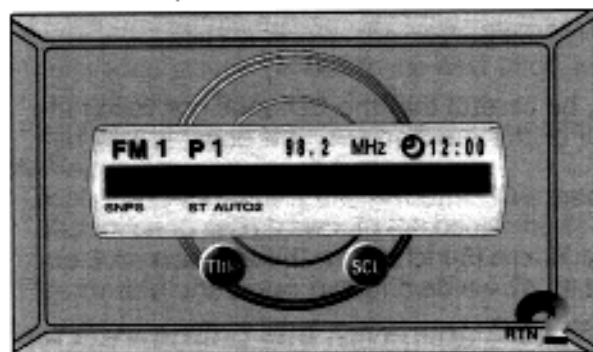
Touch the [ RTN ] to return the source control screen (B).

**Display Select Screen**

This function permits the text to be scrolled and the entire text to be displayed.

**Switching Display Select Screen:**

Touch this area on the source control screen to switch the selecting display screen.

**Selecting Name or Text Display for Tuner:**

Touch the [ Title ] to switch the display Program Service name, SNPS and Radio text.

**To Scroll Manually:**

Touch the [ SCL ] to display the radio text. The text will be displayed in one scrolling display.

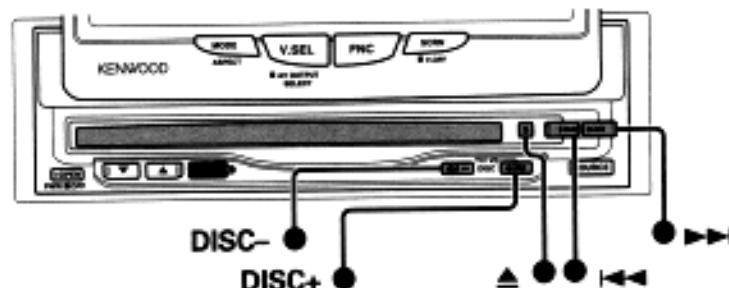
- When the system setting screen's scroll setting is set to "ON", touch [ SCL ] on the scroll table to stop scrolling. Touch [ SCL ] again to resume scrolling.
- When touched while the system setting screen's scroll setting is set to "OFF", the entire text is scrolled once.

**Canceling Display Select Screen:**

Touch the [ RTN ] to return the source control screen.

## Disc Control Function

### CD / Disc changer operations with the buttons



#### Inserting CDs

Holding the CD with the labeled side facing up, insert it in the CD slot. The CD will start playing.

#### CAUTION

- When inserting a CD, be careful that the CD does not touch the bottom of the monitor or the mechanism. If it does, it may be scratched.
- Do not attempt to insert a CD into the slot if another one is already there.
- The unit can only play 12-cm (5-inch) CDs. If you insert an 8-cm (3-inch) CD, it will get stuck inside and can cause the unit to malfunction.

#### Track Search

##### Making a Forward Track Search:

Press the ►► button to display the desired track number.  
Press once to fast forward to the next track, twice to fast forward to the track after that, and so forth.  
Play starts at the beginning of the displayed track number.

##### Making a Reverse Track Search:

Press the ◀◀ button to display the desired track number.  
Press once to search back to the beginning of the current track, twice to search back to the beginning of the previous track, and so forth.  
Play starts at the beginning of the displayed track number.

#### Fast Forwarding and Reversing Disc Play

##### Fast Forwarding Disc Play:

Hold down on the ►► button.  
Release your finger to play the disc at that point.

##### Reversing Disc Play:

Hold down on the ◀◀ button.  
Release your finger to play the disc at the point.

#### Eject

Press the ▲ button located near the CD slot.  
The CD stops playing and ejects from the CD slot.

#### NOTE

When you load a CD and eject it right away, the next time you try to insert the CD may not load. In such a situation, take the CD out for a moment and then reinsert it.

#### Disc Search (Function of disc changers)

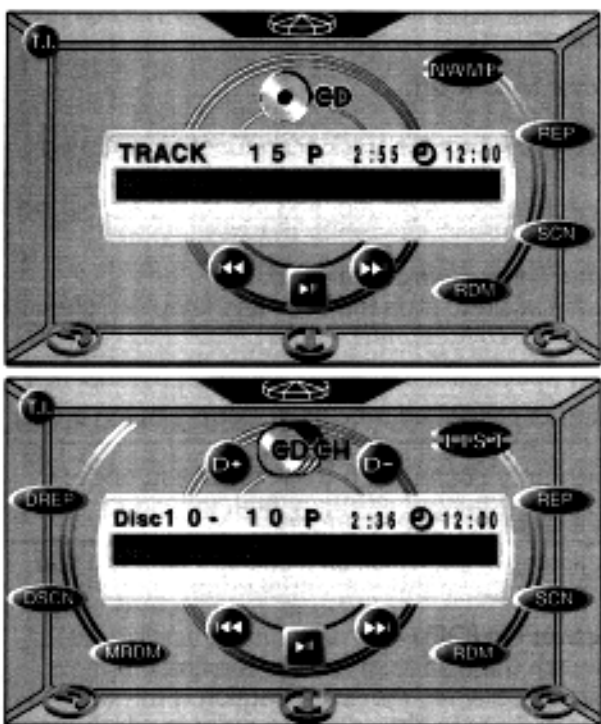
##### Making a Forward Disc Search:

Press the DISC+ button to display the desired disc number.  
Each time the button is pressed, the displayed disc number increases by one.

##### Making a Reverse Disc Search:

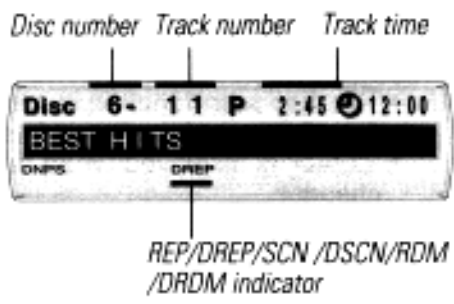
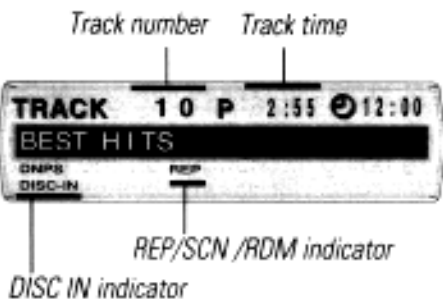
Press the DISC- button to display the desired disc number.  
Each time the button is pressed, the displayed disc number decreases by one.

**CD/Disc changer operations with the control screens**



□ **CD Player**

□ **Disc Changer**



**Pausing and Restarting CD Play**

Touch the [▶||] to make the disc pause.  
Touch the [▶||] again to start play again.

**NOTE**

(For disc changer)  
When one disc has finished playing its last track, the next disc in the changer starts playing. When the last disc in the changer has finished, the player returns to the first disc and starts playing it.

**Track Search**

Search forwards or backwards through the tracks on the disc until you reach the one that you want to listen to.

**Making a Forward Track Search:**

Touch the [▶▶] to display the desired track number.  
Touch once to fast forward to the next track, twice to fast forward to the track after that, and so forth.  
Play starts at the beginning of the displayed track number.

**Making a Reverse Track Search:**

Touch the [◀◀] to display the desired track number.  
Touch once to search back to the beginning of the current track, twice to search back to the beginning of the previous track, and so forth.  
Play starts at the beginning of the displayed track number.

**Fast Forwarding and Reversing Disc Play**

**Fast Forwarding Disc Play:**

Hold down on the [▶▶].  
Release your finger to play the disc at that point.

**Fast Reversing Disc Play:**

Hold down on the [◀◀].  
Release your finger to play the disc at the point.

## Disc Control Function

### Disc Search (Function of disc changers)

Search forwards or backwards through the discs in a disc changer until you reach the one that you want to listen to.

#### Making a Forward Disc Search:

Touch the [ D + ] to display the desired disc number.  
Each time the [ D + ] is touched, the displayed disc number increases by one.  
Play starts at the beginning of the displayed disc.

#### Making a Reverse Disc Search:

Touch the [ D - ] to display the desired disc number.  
Each time the [ D - ] is touched, the displayed disc number decreases by one.  
Play starts at the beginning of the displayed disc.

#### NOTE

"LOAD" is displayed when discs are being exchanged on the disc changer.

### Track Repeat Function

Repeat playing the current track.

#### Turning Repeat Play Function On/Off:

Touch the [ REP ] to switch the repeat play function on and off.  
The REP indicator is displayed when the repeat play function is turned on.

#### NOTE

The repeat play function is cancelled when you stop playing the disc.

### Disc Repeat Function (Function of disc changers)

Repeat playing the current disc.

#### Turning Repeat Play Function On/Off:

Touch the [ DREP ] to switch the repeat play function on and off.  
The DREP indicator is displayed when the repeat play function is turned on.

#### NOTE

The repeat play function is cancelled when you stop playing the disc.

### Track Scan Function

Successively play the beginning of each track on a disc until you find the track that you want to listen to.

#### Turning Track Scan Function On/Off:

Touch the [ SCN ] to switch the track scan function on and off.  
The SCN indicator is displayed when the track scan function is turned on.  
The first 10 seconds of each track are played, and the tracks are played in order.

#### Stopping to Listen to the Track Being Scanned:

Touch the [ ►|| ] or [ SCN ] again to stop the scan and keep on listening to a track normally.

#### NOTE

- The track scan function is cancelled when you stop playing a disc.
- The track scan function only scans each track on a disc once.

### Disc Scan Function (Function of disc changers)

Successively play the beginning of each disc on a changer until you find the one that you want to listen to.

#### Turning Disc Scan Function On/Off:

Touch the [ DSCN ] to switch the disc scan function on and off.  
The DSCN indicator is displayed when the scan function is turned on.  
The first 10 seconds of each disc are played, in the order in which they are loaded on the changer.

#### Stopping to Listen to the Disc Being Scanned:

Touch the [ ►|| ] or [ DSCN ] again to stop the scan and keep on listening to the disc normally.

#### NOTE

- The disc scan function is cancelled when you stop playing a disc.
- The disc scan function only scans each disc on the changer once.
- "LOAD" is displayed when discs are being exchanged on the disc changer.

### Random Play Function

Play all the tracks on the current disc in random order.

- 1 Touch the [ RDM ] to switch the random play function on and off. The RDM indicator is displayed when the random play function is turned on. The display of the track number changes continuously as the next track is being selected. When the track has been selected, play starts.
- 2 To change the track being heard, touch the [ ►► ]. Another track is selected and played.

#### NOTE

The random play function is cancelled when you stop playing a disc.

### Magazine Random Play Function (Function of disc changers)

Play the tracks on all the discs in the disc changer in random order.

- 1 Touch the [ MRDM ] to switch the magazine random play function on and off. The MRDM indicator is displayed when the magazine random play function is turned on. The display of the disc and track numbers change continuously as the next track is being selected. When the disc/track has been selected, play starts.
- 2 To change the track being heard, touch the [ ►► ]. Another disc/track is selected and played.

#### NOTE

- The magazine random play function is cancelled when you stop playing a disc.
- The time needed for random selection depends on the number of discs loaded in the disc magazine.

### Switching Name Set Screen

(CD player only for selecting on the control screen)

Touch the [ NAME ] for at least two seconds to switch the name set screen.<see p.31>

### Disc List Screen (Function of disc changers)

#### Switching Disc List Screen:

Touch the [ LIST ] to switch the disc list screen.



#### Changing Disc7-10 Lists :

Each time you touch the [ ▼ ] or [ ▲ ], the disc lists switches between the disc1-6 and disc 7-10.

#### Selecting List:

Touch the number [ ① - ⑩ ] for the desired disc. The number of the changed disc is displayed.

#### Switching Disc Title:

Touch the " Title " to change disc title and disc name in the lists.

#### Switching Name Set Screen:

- 1 Touch the number [ ① - ⑩ ] for the desired disc. The number of the changed disc is displayed.
- 2 Touch the [ NAME ] for at least two seconds to switch the name set screen.<see p.31>

#### Returning Source Control Screen:

Touch the [ RTN ] to return the source control screen (B).

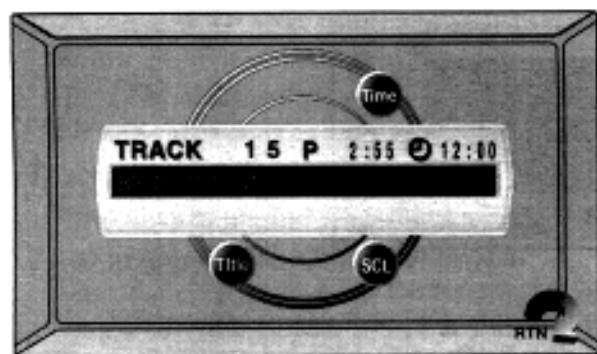
## Disc Control Function

### Display Select Screen

Switch the display that appears whilst discs are playing.

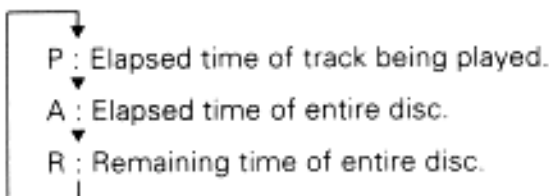
#### Switching Display Select Screen:

Touch this area on the source control screen to switch the selecting display screen.



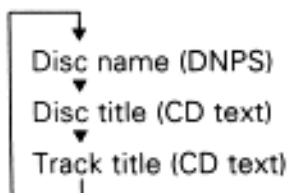
#### Selecting Time Display for Discs:

Each time you touch the [ Time ], the display during disc play switches as follows.



#### Selecting Name or Title Display for Discs:

Each time you touch the [ Title ], the display during disc play switches as follows.



#### NOTE

- You can give names to discs through the presetting disc name function.
- If you try to display the name of a disc that does not have one, "No Name" is displayed instead.
- If you try to display the title of a disc that does not have one, "No Text" is displayed instead.

#### To Scroll Manually:

Touch the [ SCL ] to display the disc title or the track title. The titles will be displayed in one scrolling display.

- When the system setting screen's scroll setting is set to "ON", touch [ SCL ] on the scroll table to stop scrolling. Touch [ SCL ] again to resume scrolling.
- When touched while the system setting screen's scroll setting is set to "OFF", the entire text is scrolled once.

#### Canceling Display Select Screen:

Touch the [ RTN ] to return the source control screen .

## Name Preset Function



### ***Station Name Preset (SNPS) / Disc Name Preset (DNPS)***

- 1 If the cursor is in the desired character input position, go on to step 4. If not, touch either the [ ← ] or [ → ] to move the cursor to the desired position.  
The [ ← ] moves the cursor to the left and the [ → ] moves it to the right.
- 2 Touch the [ ▼ ] or [ ▲ ] to switch the character lists.
- 3 Touch the character.
- 4 Continue steps 1 and 3 until all the characters are chosen for the name.

#### **NOTE**

- You can enter up to 16 characters for each name.
  - To enter a space, touch [ SPACE ]. A blank is inserted and the cursor moves to the right.
- 5 Touch the [ OK ] to finish name entry and leave name preset mode.

#### **NOTE**

- If you want to change the name of a station, first display the name of the station (following steps 1 and 2 above), then change the letter(s) that you want by following steps 3 and 4.
- You can assign names to up to 30 FM/AM stations and 30 TV stations.
- All the station names will be erased if you press the RESET button.
- You can only store names for up to 100 CDs. If you store the

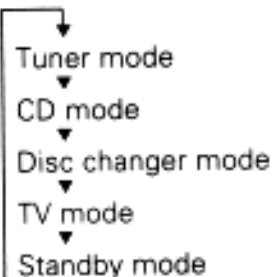
- name for an 101th CD, the first one will be erased automatically.
- CDs are identified by their total length and number of tracks. If you play another CD that happens to have exactly the same specifications as another CD whose name is stored, the wrong name will be displayed for it.

## Remote Control Function

### Basic Source Control Function

- **SRC button**

Each time you press the SRC button, the source mode switches as follows:

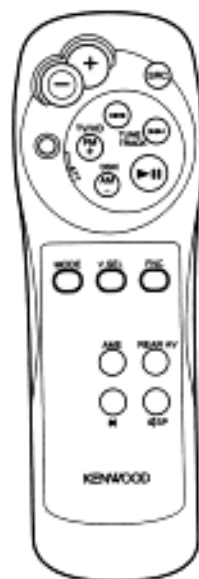


#### NOTE

- The mode switches to the next mode from any mode which cannot be used.
- The tuner mode, disc changer mode and navigation mode will differ depending on the unit that is connected.
- **VOLUME buttons**  
Press the ⊕ button to increase the volume.  
Press the ⊖ button to decrease the volume.
- **ATT button**  
Turn down the volume quickly. To return the volume to its original level, press the button again.

### Visual Function

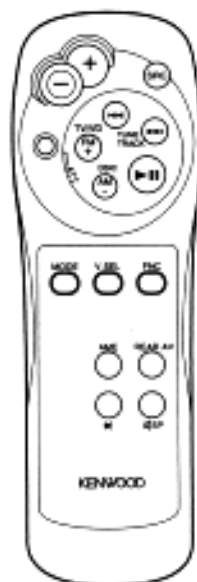
- **V.SEL button**  
Each time the V.SEL button is pressed, the image video will switch between the navigation and video.
- **MODE button**  
Each time the MODE button is pressed, the screen mode switches between the normal, full, just, and zoom.
- **FNC button**  
Press the FNC button to switch the source control screen. Each time the FNC button is pressed, the back picture in the source control screen changes.
- **REAR AV button**  
Each time the REAR AV button is pressed, the AV output mode switches between the normal video 1 and video 2.





### TV Function

- ▶|| button**  
 Each time you press the ▶|| button, the tuning mode switches to auto 1, to auto 2 and manual.
- TUNE buttons**  
 Press the ◀◀ button to make decreasing seeks (using the auto seek tuning mode).  
 Press the ▶▶ button to make increasing seeks (using the auto seek tuning mode).
- FM button**  
 Switch between the TV1, TV2, video1 and video2.



### Tuner Control Function

- ▶|| button**  
 Each time you press the ▶|| button, the tuning mode switches to auto 1, to auto 2 and manual.
- TUNE buttons**  
 Press the ◀◀ button to make decreasing seeks (using the auto seek tuning mode).  
 Press the ▶▶ button to make increasing seeks (using the auto seek tuning mode).
- FM button**  
 Select and switch between the FM1, FM2 and FM3 bands.
- AM button**  
 Select the AM band.

### Disc Control Function

- ▶|| buttons**  
 Press the ▶|| button to make the disc pause.  
 Press the ▶|| button to start play again.
- TRACK buttons**  
 Press the ◀◀ button to search through the tracks backwards.  
 Press the ▶▶ button to search through the tracks forwards.
- DISC buttons**  
 Press the AM- button to search through the discs backwards.  
 Press the FM+ button to search through the discs forwards.

#### NOTE









- The "AME" and "SP" buttons cannot be used.
- When the "\*" button is pressed, the panel of a Kenwood audio system equipped with powered panel can be operated.

## Installation

### Accessories




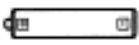




#### External view

..... Number of items

①		.....1
②		.....2
③		.....4
④		.....4
⑤		.....2
⑦		.....1
⑨		.....4
⑩		.....4

#### External view

..... Number of items

⑪		.....1
⑫		.....1
⑬		.....2
⑭		.....2
⑮		.....1
⑯		.....2
⑰		.....1
⑱		.....6

#### CAUTION

The use of any accessories except for those provided might result in damage to the unit. Make sure only to use the accessories shipped with the unit, as shown above.

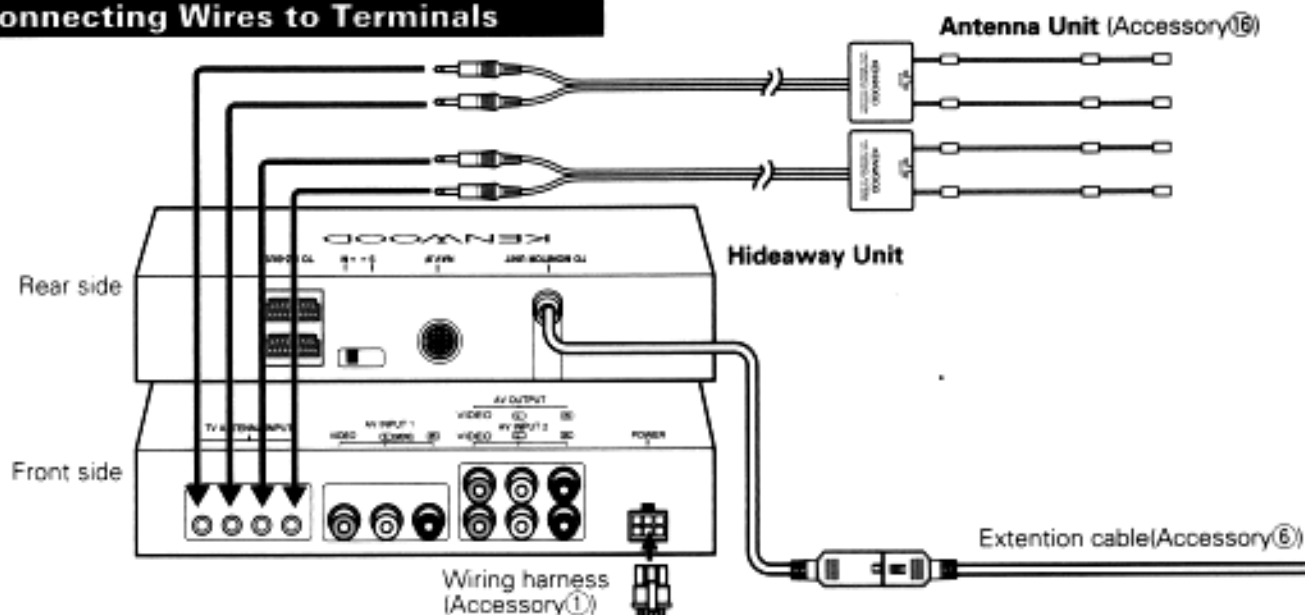
### Installation Procedure

1. To prevent short circuits, remove the key from the ignition and disconnect the ⊖ terminal of the battery.
2. Make the proper input and output cable connections for each unit.
3. Connect the wiring harness cables in the following order: ground, battery, ignition.
4. Connect the wiring harness connector to the unit.
5. Install the unit in your car.
6. Reconnect the ⊖ terminal of the battery.
7. Press the reset button. (See p.5)

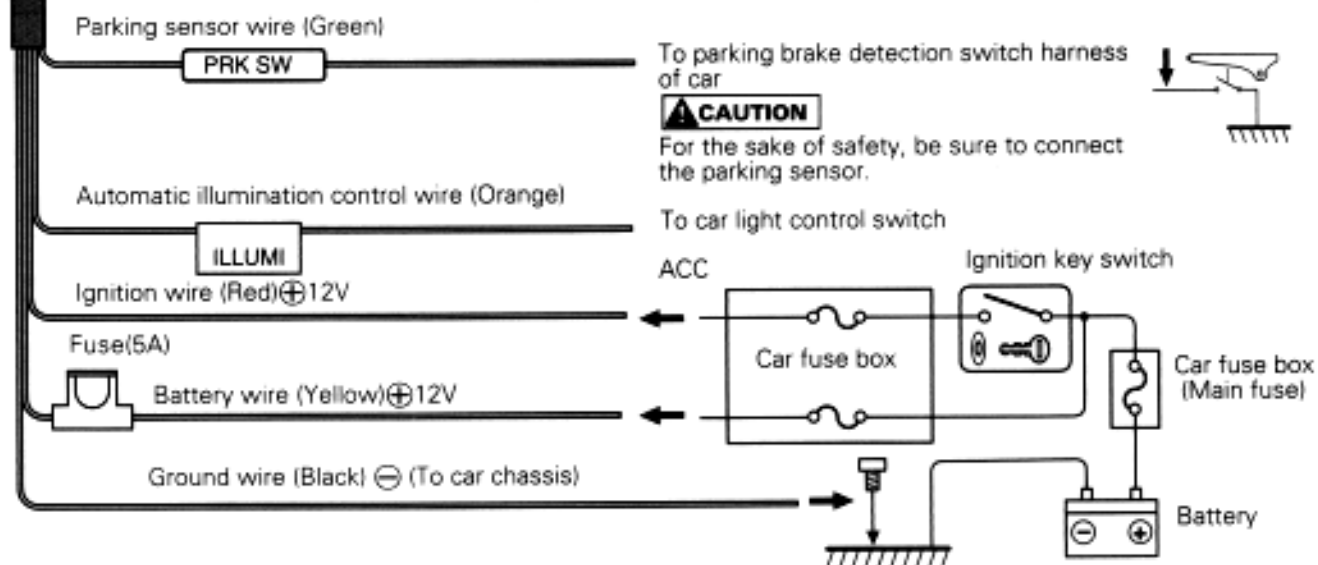
#### CAUTION

- If your car's ignition does not come with an ACC position, connect the ignition cables to a power source that can be turned on and off with the ignition key. If you connect the ignition cable to a power source that receives a constant voltage supply, as with battery cables, the battery may die.
- If the fuse blows, first make sure that the cables have not caused a short circuit, then replace the old fuse with one with the same rating.
- Do not let unconnected cables or terminals touch metal on the car or anything else conducting electricity. To prevent short circuits do not remove the caps from unused terminals or from the ends of the unconnected cables.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Insulate unconnected wires with vinyl tape or other similar material.
- Thoroughly wipe away oil and other dirt from the installation surface. Please avoid installation on uneven surfaces.
- Mount the unit so that the mounting angle is 30° or less.

## Connecting Wires to Terminals

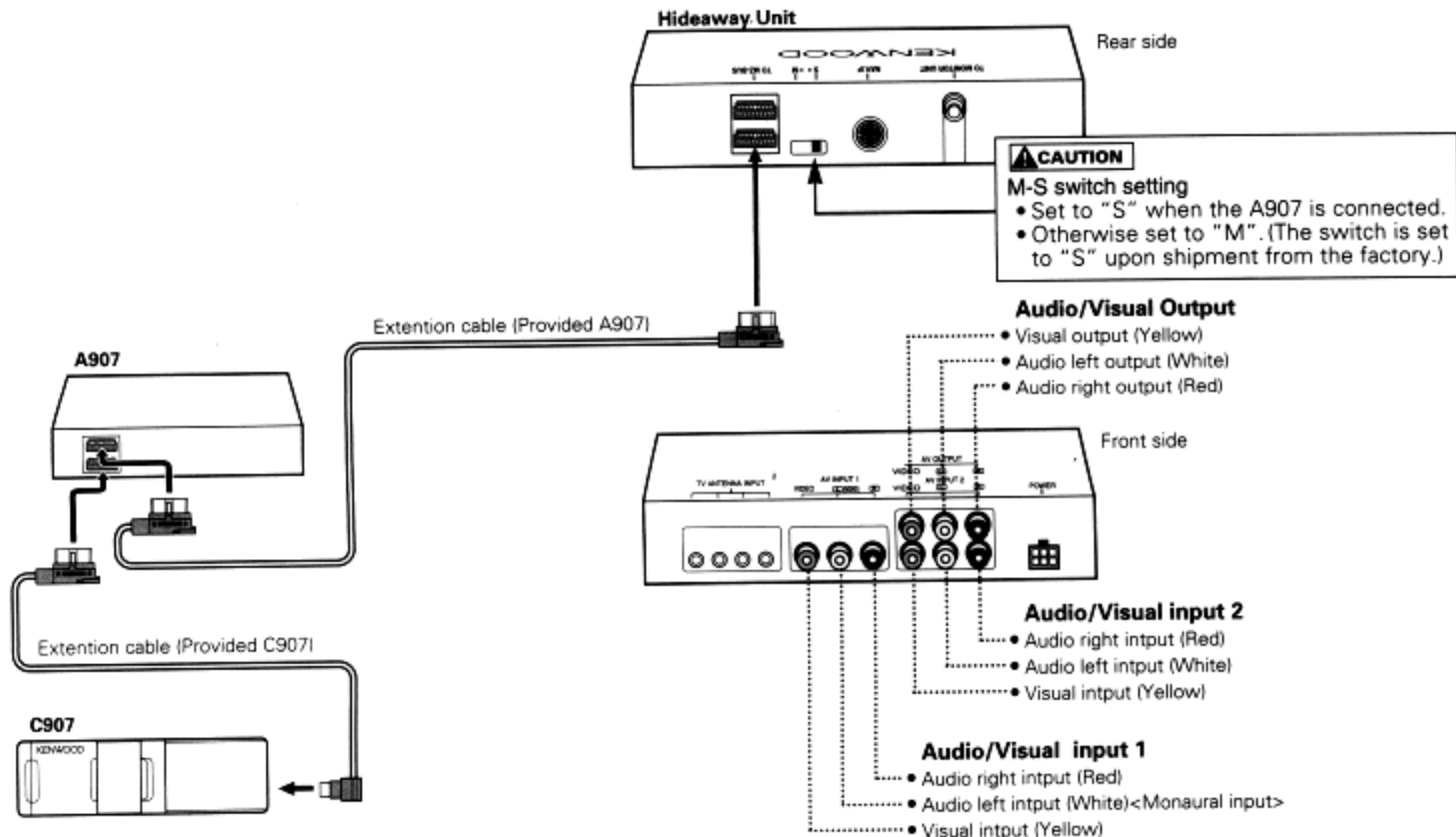


## ■ Connection for Power Cable



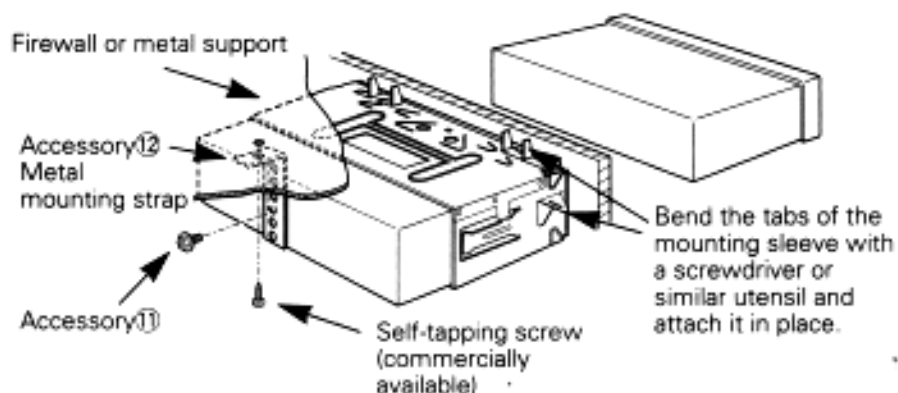
## Connecting Wires to Terminals

### ■ Connection to Other Units



## Installation

### ■ Installation for Main Unit

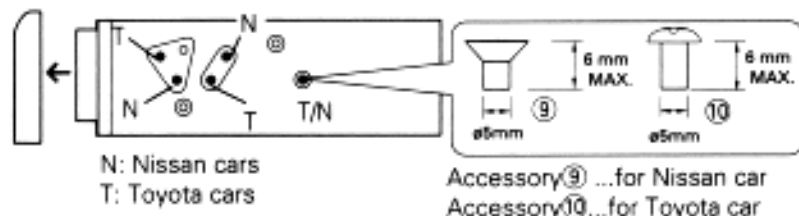


#### NOTE

Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (for example, the sound may skip).

### ■ Installing in Japanese-Made Cars

- 1 Refer to the section "Removing the hard rubber frame (P.39)" and then remove the hard rubber frame.
- 2 Align the holes in the unit (two locations on each side) with the vehicle mounting bracket and secure the unit with the accessory screws.



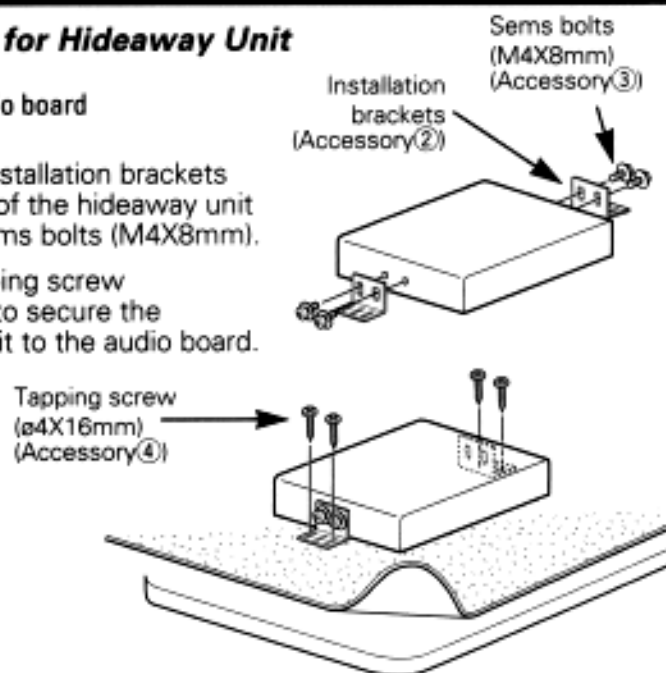
#### CAUTION

- During installation, do not use any screws except for those provided. The use of different screws might result in damage to the main unit.
- Damage may occur if a screwdriver or similar tool is used with excessive force during the installations.

### ■ Installation for Hideaway Unit

#### ● Securing to audio board

- 1 Attach the installation brackets (Accessory 2) to the sides of the hideaway unit using the sems bolts (M4X8mm) (Accessory 3).
- 2 Use the tapping screw (ø4X16mm) to secure the hideaway unit to the audio board.

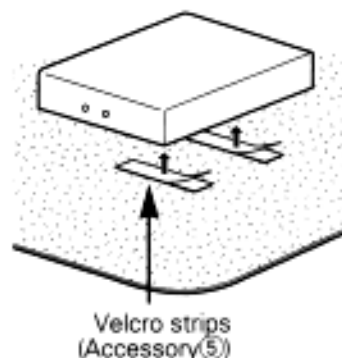


#### ● Securing to pile carpet

Peel the protective strips off of the velcro strips, attach them to the bottom of the hideaway unit, and secure to the pile carpet.

#### CAUTION

Please do not install the unit near the dashboard, the rear tray, or other important components. Doing so could lead to injury or accident should the unit come off due to a shock and strike a person or an important component. Tapping screws should be used for mounting. (Attachment with velcro strips, although easy, can come off with a shock.)

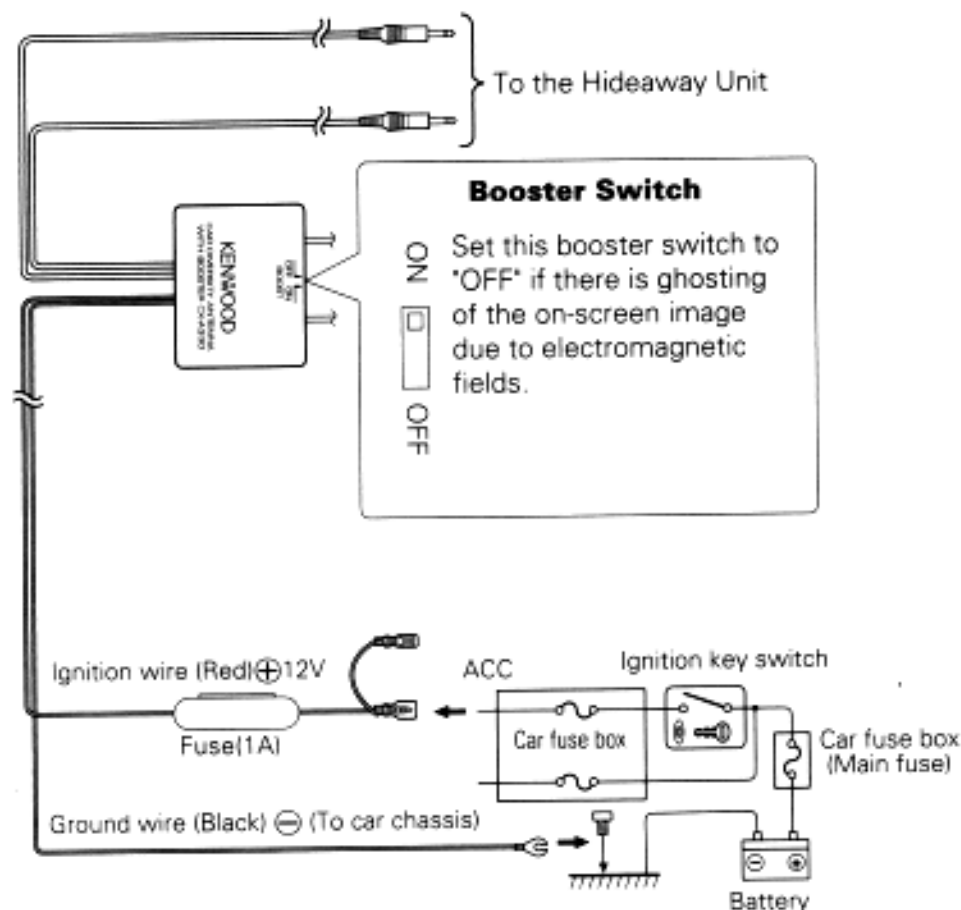


## Connecting and Installation for Antenna Unit

### ■ Connection for Antenna Unit

#### ⚠ CAUTION

Internal antennas have a lower reception sensitivity than outdoor antennas. The picture may not appear or may be disturbed if the signal in your area is weak.



### ■ Installation for Antenna Unit

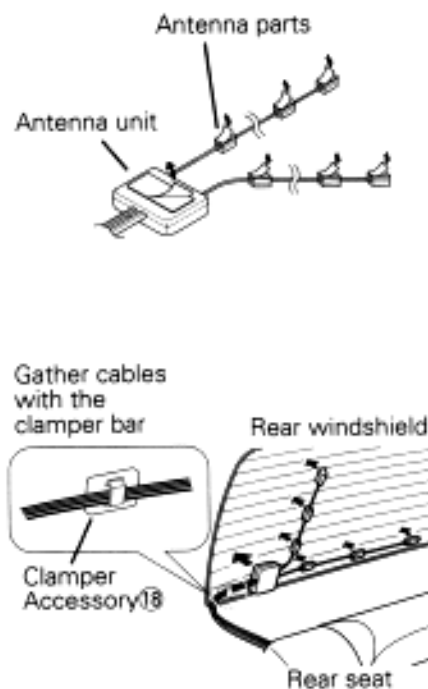
- Attach the antenna to the inner glass surface of the rear windshield using double-sided tape. Carefully check the installation location as the tape may only be attached once.
- If the surface temperature of the glass of the rear windshield is low, warm it by turning on the power of the rear defogger. Low temperature may weaken the adhesive strength of the double-sided tape. Also perform installation inside the cabin on a day of high humidity such as when it is raining as high humidity may also weaken the adhesive strength of the double-sided tape.
- Do not install the antenna in a location such as the front windshield where it may obstruct the field of view during driving.

1. Check the location where the antenna is to be attached. Clean off any grease or dirt from the installation location using the supplied glass cleaner, clean the area with water and allow to dry.

#### ⚠ CAUTION

Clean the glass thoroughly as failure to clean the glass can not only weaken the adhesive strength of the double-sided tape, but may also cause it to come loose.

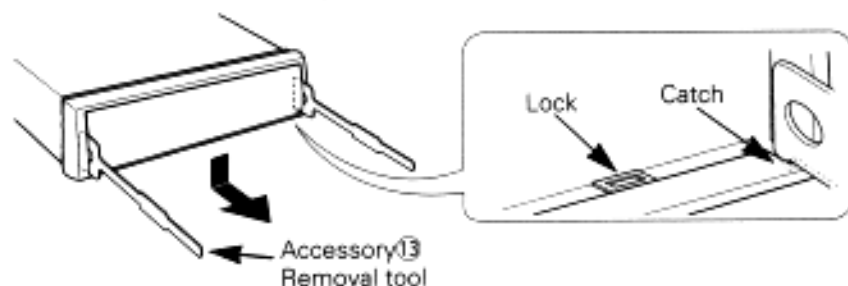
2. Remove the protective strips from the antenna parts and the back of the antenna unit.
3. Attach the double-sided tape of the antenna parts and the antenna unit to the rear windshield glass. Attach the double-sided tape by firmly pressing down from the top. Secure cables using the supplied clammers.
4. After attaching the antenna with the double-sided tape, allow it to sit undisturbed for 24 hours. Take care not to apply force to the antenna or allow it to get wet during this time.
5. Wire the antenna cable to the hideaway unit.



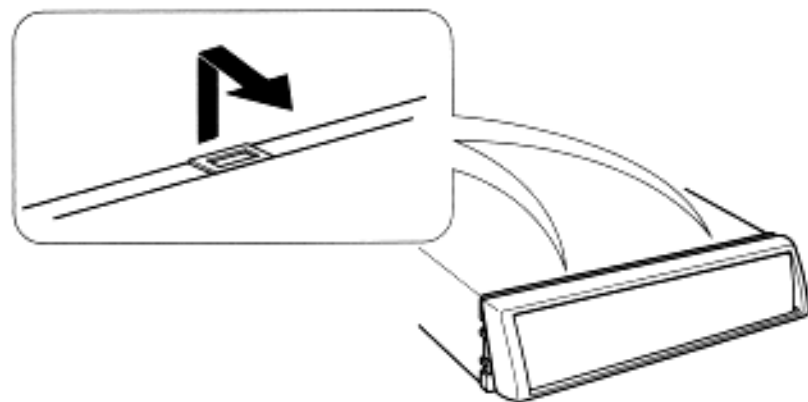
## Removing Unit

### Removing the Hard Rubber Frame

- Engage the catch pins on the removal tool and remove the two locks on the lower level.  
Lower the frame and pull it forward as shown in the figure.



- When the lower level is removed, remove the upper two locations.

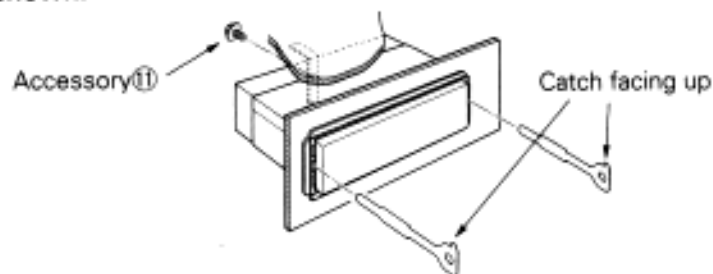


#### NOTE

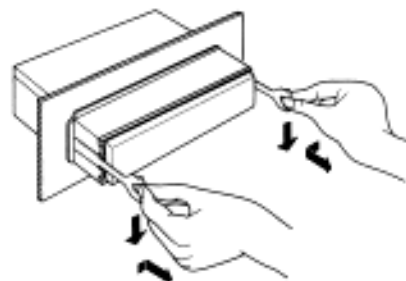
The frame can be removed from the top side in the same manner.

### Removing the Unit

- Refer to the section "Removing the Hard Rubber Frame" and then remove the hard rubber frame.
- Remove the Hex-head screw with integral washer (M4x6) on the back panel.
- Insert the two removal tools deeply into the slots on each side, as shown.



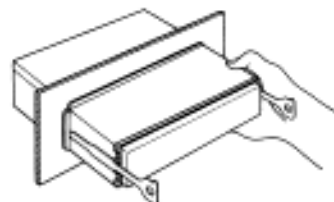
- Lower the removal tool toward the bottom, and pull out the unit halfway whilst pressing towards the inside.



#### CAUTION

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

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



## 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.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The power does not turn on.	The fuse has blown.	After checking for short circuits in the cables, replace the fuse with one having the same rating.
	No ACC position on vehicle ignition.	Connect the same cable to the ignition as the battery cable.
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 p. 5).
The monitor does not open.	The parking brake is not engaged.	For safety reasons, the monitor does not open while the vehicle is moving. Engaging the parking brake.
No TV/video image appears.	The unit is not connected to the parking brake detection switch.	Make proper connections according to "Connections" (See p. 35).
	The parking brake is not engaged.	For safety reasons no TV/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.
A CD ejects as soon as it is loaded.	The CD is upside-down.	Load the CD with the labelled side up.
	The CD is quite dirty.	Clean the CD, referring to the section on "Cleaning CDs" (See p.7).
The sound skips on a CD.	The CD is scratched or dirty.	Clean the CD, referring to the section on "Cleaning CDs" (See p.7).
The specified track does not play.	Random play has been selected.	Turn off the random play function.



## Specifications

Specifications subject to change without notice.

### Main Unit

Picture size .....	5.8 inches wide
	124.8(W) X 73(H) X 144.6 (diagonal) mm
Display system .....	Transparent TN LCD panel
Drive system .....	TFT active matrix system
Number of pixels .....	280.800 pixels (480 H X 234 V X RGB )
Effective pixels .....	99.99%
Pixel arrangement .....	RGB striped arrangement
Back lighting .....	Cold cathode tube

### Hideaway Unit

Color system .....	NTSC
Television system .....	M
Receivable channels (VHF) .....	Channels 2 to 13
(UHF) .....	Channels 14 to 69
Channel selection system ....	PLL frequency synthesizer system
	Split carrier system
Antenna input .....	4-ch diversity (75 $\Omega$ /3.5 $\phi$ minijack)
External video input level (RCA jacks) .....	1 Vp-p/75 $\Omega$
External audio max. input level (RCA jacks) .....	1 V/22 K $\Omega$
Video output level (RCA jacks) .....	1 Vp-p/75 $\Omega$
Audio output level (RCA jacks) .....	500 mV/1 K $\Omega$

### CD player section

Laser diode .....	GaAlAs ( $\lambda=780$ nm)
Digital filter (D/A) .....	8 Times Over Sampling
D/A Converter .....	1 Bit
Spindle speed .....	500 – 200 rpm (CLV)
Wow & Flutter .....	Below Measurable Limit
Frequency response ( $\pm 1$ dB) .....	5 Hz – 20 kHz
Total harmonic distortion (1 kHz) .....	0.01 %
Signal to Noise ratio .....	93 dB (1 kHz)
Dynamic range .....	93 dB
Channel separation .....	85 dB

### General

Operating voltage .....	14.4 V DC (11 to 16 V)
Consumed current .....	1.5 A
Operational temperature range .....	-10°C to +60°C
Storage temperature range .....	-20°C to +85°C

Operating voltage .....	14.4 V (11 – 16 V allowable)
Current consumption .....	10.0 A at Rated power
Size	
Main unit .....	180(W) $\times$ 50(H) $\times$ 182(D) mm

	7-1/16(W) $\times$ 1-15/16 (H) $\times$ 7-3/16(D) inch
Hideaway unit .....	213(W) $\times$ 40(H) $\times$ 148(D) mm
	8-3/8(W) $\times$ 1-9/16 (H) $\times$ 5-13/16(D) inch
Installation size <Main unit> .....	178(W) $\times$ 50(H) $\times$ 165(D) mm
	7(W) $\times$ 1-15/16(H) $\times$ 6-1/2(D) inch

Weight	
Main unit .....	2.0 kg(4.4 LBS)
Hideaway unit .....	0.9 kg(2 LBS)

### TV Antenna

Output Impedance .....	75 $\Omega$ /3.5 $\phi$ miniplug
Operating voltage .....	12 V DC
Grounding .....	Negative ground system
Consumed current .....	1.0 A
Cable Length .....	5 m
Size .....	50(W) $\times$ 14.5(H) $\times$ 500(D) mm
	1-15/16(W) $\times$ 9/16(H) $\times$ 19-11/16(D) inch
Weight .....	70 g (x2)

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.