

# KENWOOD

8-Inch WIDE MONITOR

## LZ-800W

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## INSTRUCTION MANUAL

KENWOOD CORPORATION

**Take the time to read through this instruction manual.  
Familiarity with installation and operation procedures will help you  
obtain the best performance from your new monitor.**

**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 LZ-800W Serial number \_\_\_\_\_

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

# Safety Precautions

## ⚠ 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 or ground wires, make sure to use automotive-grade wires or other cables with an area of 0.75mm<sup>2</sup> (AWG18) or more to prevent wire deterioration and damage to the wire 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.
- Be careful not to drop the unit or subject it to strong shock.  
The unit may break or crack because it contains glass parts.
- 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.

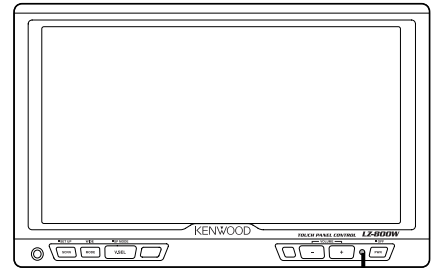
## ⚠ CAUTION

### **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 back 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 monitor unit 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.
- 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 TV/ video pictures whilst the vehicle is moving. To enjoy TV/ 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

## 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

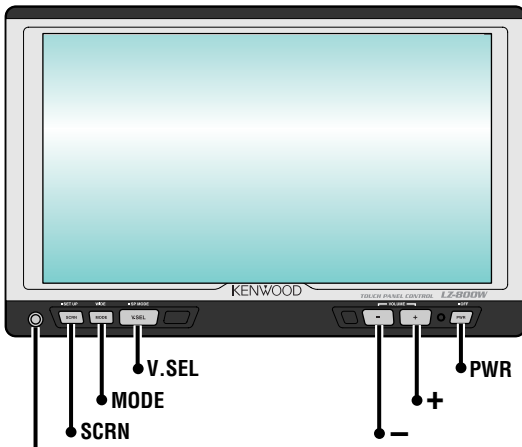
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to 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.

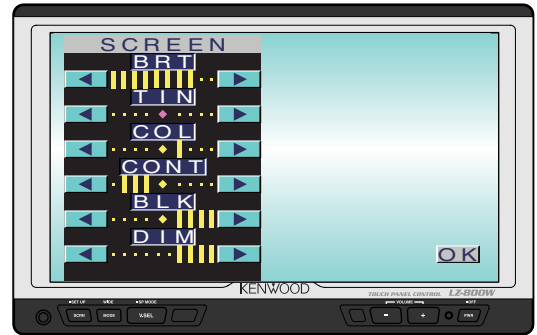
## NOTE

This Class B digital apparatus complies with Canadian ICES-003.

**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.**



Phone Jack (Ø3.5)



Picture Quality Adjustment Screen

## Power

### Turning on the power

Press the PWR button.

### Turning off the power

Press the PWR button for at least one second.

## Switching the Monitor's Picture

Each time you press the V.SEL button, the monitor's picture switches as follows:

### ●When the Video Box Unit is connected

- ↓ [VD1]: Video1 picture
- ↓ [VD2]: Video2 picture
- ↓ [NAV]: Navigation picture (RGB pictures)

### ●When the KTC-V800N or KTC-V800P is connected

- ↓ [TV]: Television picture
- ↓ [NAV]: Navigation picture (RGB pictures)

### NOTE

When connecting KTC-V800N/KTC-V800P, on changing "AV-IN1" "AV-IN2" settings to "VD" (see Setting the System, page 6) the switching items become VIDEO1("VD1") and VIDEO2("VD2").

### CAUTION

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

## Adjusting the Volume

### Increasing Volume

Each time you press the + button to increase the volume.

### Decreasing Volume

Each time you press the - button to decrease the volume.

### NOTE

When headphone are connected to the phone jack, no sound is emitted from the built-in speaker.

## Switching the Speaker Mode

Each time you press the V.SEL button for at least one second, the built-in speaker mode switches as follows:

### ●When the Video Box Unit is connected

- ↓ [NORMAL]: Sound with monitor picture
- ↓ [VIDEO1]: Sound with video1 picture
- ↓ [VIDEO2]: Sound with video2 picture
- ↓ [NAV]: Sound with navigation picture
- ↓ [OFF]: Switch off the built-in speakers

### ●When the KTC-V800N or KTC-V800P is connected

- ↓ [NORMAL]: Sound with monitor picture
- ↓ [TV]: Sound with television picture
- ↓ [NAV]: Sound with navigation picture
- ↓ [OFF]: Switch off the built-in speaker

### NOTE

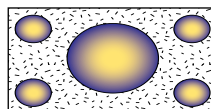
When connecting KTC-V800N/KTC-V800P, on changing "AV-IN1" "AV-IN2" settings to "VD" (see Setting the System, page 6) the switching items become VIDEO1 and VIDEO2.

## Switching the TV/Video Screen Mode

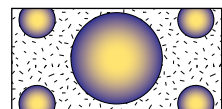
Each time you press the MODE button, the screen mode switches as follows:

- ↓ [FULL]: Full picture mode
- ↓ [ZOOM]: Zoom picture mode
- ↓ [JUST]: Just picture mode
- ↓ [CINEMA]: Cinema picture mode
- ↓ [NORMAL]: Normal picture mode

### [ FULL ]

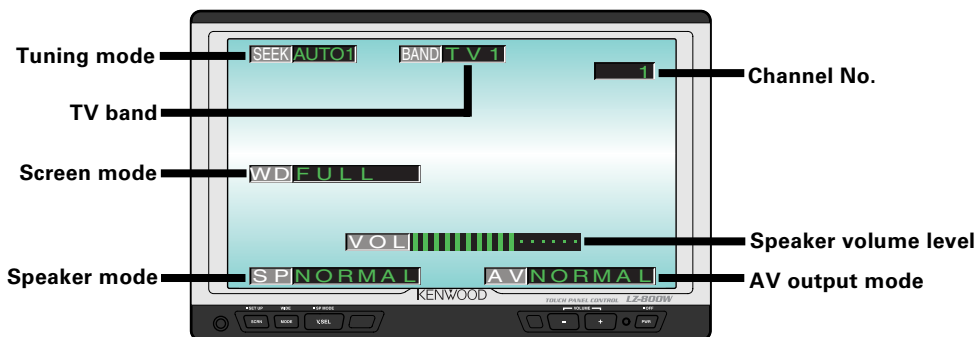


### [ ZOOM ]



## <On Screen Display>

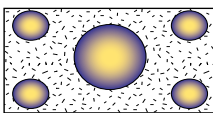
If the monitor's buttons operated while a TV, video or navigation picture is displayed, the receiving channel No., the picture settings, AV output settings, etc., are superimposed on the picture .



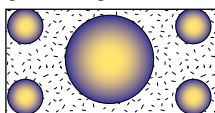
### NOTE

Tuning mode, TV band, and Channel No.: When the KTC-V800N/ KTC-V800P is connected.

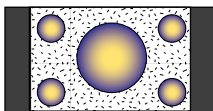
### [ JUST ]



### [ CINEMA ]



### [ NORMAL ]



### NOTE

You cannot operate when the wide picture navigation is displayed.

## Switching the AV Output

Each time you press the PWR button, the AV output mode switches as follows:

### ●When the Video Box Unit is connected

- ↓
- [NORMAL]: Picture/sound with monitor picture
- ↓
- [VIDEO1]: Picture/sound with video1
- ↓
- [VIDEO2]: Picture/sound with video2
- ↓
- [NAV]: Sound with navigation

### ●When the KTC-V800N or KTC-V800P is connected

- ↓
- [NORMAL]: Picture/sound with monitor picture
- ↓
- [TV]: Picture/sound with television
- ↓
- [NAV]: Sound with navigation

### NOTE

When connecting KTC-V800N/KTC-V800P, on changing "AV-IN1" "AV-IN2" settings to "VD" (see Setting the System, page 6) the switching items become VIDEO1 and VIDEO2.

## Adjusting the Picture Quality

- 1 Press the SCRNB button, the picture quality adjustment screen to be displayed.
- 2 Each time you touch [ ▶ ]/[ ◀ ] to adjust the value.

### [BRT] (for Day time screen)

- Touch [ ▶ ] for a brighter screen.
- Touch [ ◀ ] for a darker screen.

### [TIN]

- Touch [ ▶ ] for a stronger green level.
- Touch [ ◀ ] for a stronger red level.

### [COL]

- Touch [ ▶ ] for a deeper color.
- Touch [ ◀ ] for a paler color.

### [CONT]

- Touch [ ▶ ] for less contrast.
- Touch [ ◀ ] for stronger contrast.

### [BLK]

- Touch [ ▶ ] for less black level.
- Touch [ ◀ ] for a stronger black level.

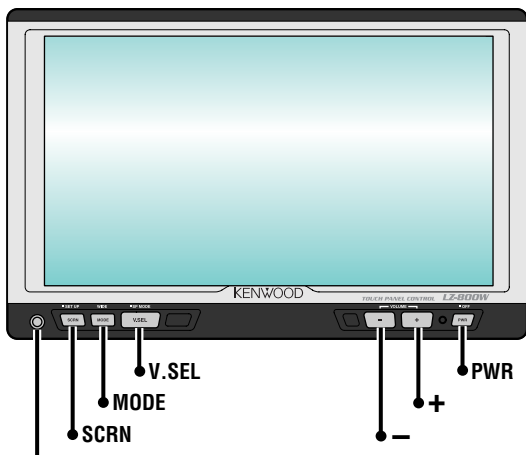
### [DIM] (for Night time screen)

- Touch [ ▶ ] for a brighter screen.
- Touch [ ◀ ] for a darker screen.

- 3 Touch [ OK ] to end the picture quality adjustment screen.

### NOTE

- The [ TIN ] and [ COL ] cannot be adjusted for the navigation screen or the setting screens.
- The [ TIN ] cannot be adjusted for the picture of PAL.
- [BRT] and [DIM] initial values are maximum.
- As regards [DIM] adjustment:
  - When the condition is bright around the periphery of the monitor unit, the brightness does not change even when [DIM] is adjusted.
  - When set to maximum, even if the monitor unit periphery dims, there is no change in from the brightness set with [BRT].
  - There is no connection with the vehicle's illumination switch. (A sensor is installed facing the front of monitor unit for light detection).
- If you make no key operation for 10 seconds, the picture quality adjustment screen is automatically cancelled.

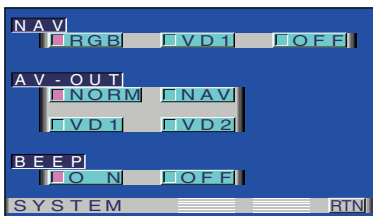


Phone Jack (Ø3.5)

## Setting the System

### ●When the Video Box Unit is connected

- 1 Press the SCRAN button for at least one second to switch to the setup menu screen.
- 2 Touch [ SYSTEM ] to switch to the system setting screen.



### Setting the Navigation Input Mode [NAV]

Touch [ RGB ], [ VD1 ] or [ VD2 ]. The navigation input mode will be switched as follows:

[RGB]: When the Navigation unit is connected to the "RGB" terminal.

[VDI]: When the Navigation unit is connected to the "AV-INPUT1" terminal.

[OFF]: When the Navigation unit is not connected. (When the Video Deck is connected to the "AV-INPUT1" terminal.)

### Setting the AV Output Mode [AV-OUT]

Touch [ NORM ], [ NAV ], [ VD1 ] or [ VD2 ]. The picture/ sound of the AV output mode will be switched as follows:

[NORM]: Picture/sound with monitor picture

[NAV]: Sound with navigation

[VDI]: Picture/sound with video1

[VD2]: Picture/sound with video2

### Setting the Touch Sensor Tone [BEEP]

Touch [ ON ] or [ OFF ] to switch the function on and off.

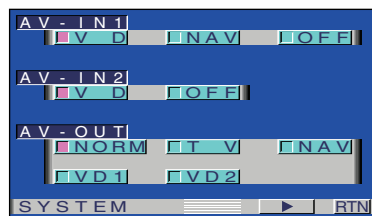
[ON]: Touch sensor tone is turned on

[OFF]: Touch sensor tone is turned off

- 3 Touch [ RTN ] to return to the setup menu screen.

### ●When the KTC-V800N or KTC-V800P is connected

- 1 Press the SCRAN button for at least one second to switch to the setup menu screen.
- 2 Touch [ SYSTEM ] to switch to the system setting screen-1.



System Setting Screen-1

### Setting the AV Input 1 Mode [AV-IN1]

Touch [ VD ], [ NAV ] or [ OFF ]. The picture/ sound of the AV input mode will be switched as follows:

[VD]: When the Video Deck is connected to the "AV-INPUT1" terminal.

[NAV]: When the Navigation unit is connected to the "AV-INPUT1" terminal.

[OFF]: When the "AV-INPUT1" terminal is not used.

### Setting the AV Input 2 Mode [AV-IN1]

Touch [ VD ] or [ OFF ]. The picture/ sound of the AV input mode will be switched as follows:

[VD]: When the Video Deck is connected to the "AV-INPUT2" terminal.

[OFF]: When the "AV-INPUT2" terminal is not used.

### Setting the AV Output Mode [AV-OUT]

Touch [ NORM ], [ TV ], [ NAV ], [ VD1 ] or [ VD2 ]. The picture/ sound of the AV output mode will be switched as follows:

[NORM]: Picture/sound with monitor picture

[TV]: Picture/sound with television

[NAV]: Sound with navigation

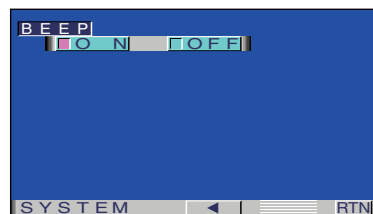
[VDI]: Picture/sound with video1

[VD2]: Picture/sound with video2

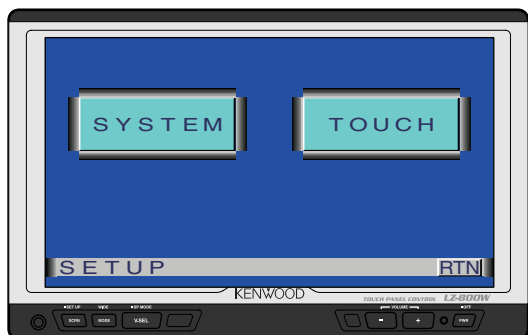
### NOTE

- No display [VD1] when the "AV-IN1" is set to "OFF".
- No display [VD2] when the "AV-IN2" is set to "OFF".

- 3 Touch [ ► ] to switch to the system setting screen-2.



System Setting Screen-2



Setup Menu Screen < Video Box Unit or KTC-V800N >



Setup Menu Screen < KTC-V800P >

### Setting the Touch Sensor Tone [BEEP]

Touch [ ON ] or [ OFF ] to switch the function on and off.

[ON]: Touch sensor tone is turned on  
[OFF]: Touch sensor tone is turned off

#### NOTE

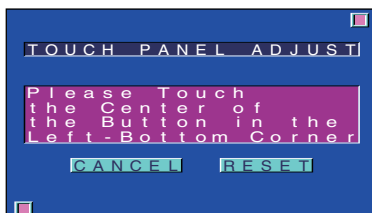
Touch [ ◀ ] to return to the system setting screen-1.

- 4 Touch [ RTN ] to return to the setup menu screen.

### Adjusting the Touch Position

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

- 1 Press the SCRAN button for at least one second to switch to the setup menu screen.
- 2 Touch [ TOUCH ] to switch to the touch panel adjustment screen.



- 3 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 menu screen reappears.

#### NOTE

- If [ CANCEL ] is touched without touching the button at the lower left, the adjustment is cancelled and the screen that was set before switching to the system setup menu 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 setup menu screen reappears.

### Selecting the Reception Area

(When the KTC-V800P is connected)

Select the area for video broadcast viewing.

- 1 Press the SCRAN button for at least one second to switch to the setup menu screen.
- 2 Touch [ TV AREA ] to switch to the TV area setting screen.



### 3 Selecting the Preset Bands

Touch [ TV 1 ] or [ TV 2 ]. The preset band switches between TV1 and TV2.

### 4 Selecting the Reception Area

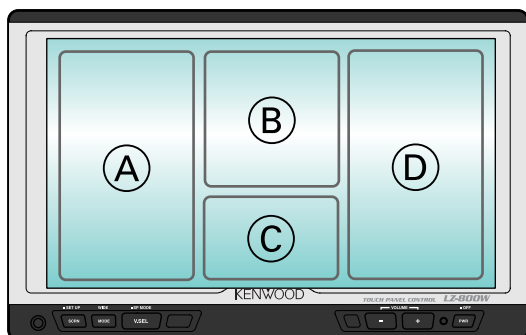
Touch [ 1 ] - [ 5 ] to select the channel setting for your country as follows:

■ 1	China	PAL-D
■ 2	Singapore Malaysia Thailand Burnei	PAL-B/G
■ 3	Hong Kong	PAL-I
■ 4	Indonesia	PAL-B/G
■ 5	Australia	

- 5 Touch [ RTN ] to return to the setup menu screen.

#### NOTE

The reception area can be set for two separate preset bands, TV1 and TV2.



TV picture screen



TV Control Screen

## Switching to the TV Control Screen

- 1 Press the V.SEL button repeatedly to select the TV picture.
- 2 Touch the part © to switch to the TV control screen.

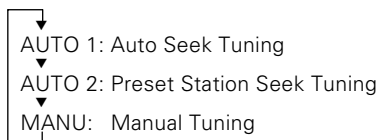
## Selecting the Preset Bands

Each time you touch [ BAND ], the preset band switches between the TV1 and TV2.

## Selecting the 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 [ SEEK ], the mode switches as follows:



## Selecting the Channels

### Auto Seek Tuning (AUTO1)

Touch [ ►► ] to seek for channels up the band.  
Touch [ ◀◀ ] to seek for channels down the band.

### Preset station Seek Tuning (AUTO2)

Touch [ ►► ] to move to the next preset station (i.e., the one with the next highest number).  
Touch [ ◀◀ ] to move to the last preset station (i.e., the one with the next lowest number).

### Manual Tuning (MANU)

Touch [ ►► ] to increase the channel by one step.  
Touch [ ◀◀ ] to decrease the channel by one step.

## Station Preset Memory

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

- 1 Select the station that you want to store.
- 2 Keep touching the preset station number [ P1 ] - [ P8 ] on which you want to store the station, for two seconds or more.

## NOTE

You can store 8 stations in each of the TV1 and TV2 preset 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 8 stations can be stored this way.**

- 1 Select the preset band for auto memory entry.
- 2 Touch [ AME ].  
[ ◀◀ ] and [ ►► ] blink.
- 3 Touch [ ◀◀ ] or [ ►► ] to start auto memory entry.  
The preset station numbers [ P1 ] - [ P8 ] are shown in order.

When all the stations on a certain band have been 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 [ P1 ] - [ P8 ] for the desired station. The number of the recalled station is displayed.



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## Selecting the Channels on the TV Picture Screen

### **Selecting the Preset Bands**

Each time you touch part ⑧, the preset band switches between the TV1 and TV2.

### **Selecting the Channels**

#### **Auto Seek Tuning (AUTO1)**

Touch the part ⑩ to seek for channels up the band.

Touch the part ⑨ to seek for channels down the band.

#### **Preset station Seek Tuning (AUTO2)**

Touch the part ⑩ to move to the next preset station (i.e., the one with the next highest number).

Touch the part ⑨ to move to the last preset station (i.e., the one with the next lowest number).

#### **Manual Tuning (MANU)**

Touch the part ⑩ to increase the channel by one step.

Touch the part ⑨ to decrease the channel by one step.

**▲CAUTION**

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

**Loading and Replacing the Batteries**

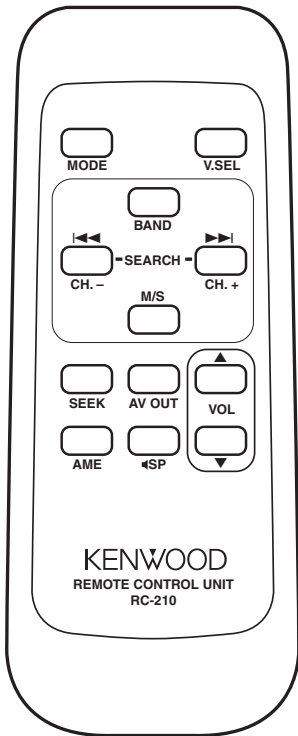
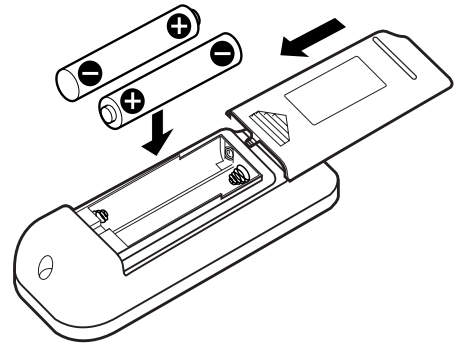
1. Use two "AA" batteries:  
Slide the cover while pressing downwards to remove it as illustrated.
2. Insert the batteries with the ⊕ and ⊖ poles aligned properly following the illustration inside the case.

**▲WARNING**

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

**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.



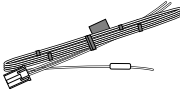


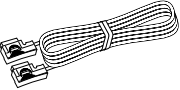

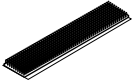


**Monitor Control Function**

- **VOL button**  
Press the ▲ button to increase the volume of the built-in speaker.  
Press the ▼ button to decrease the volume of the built-in speaker.  
(Adjusting the Volume of the built-in speaker- see P.4)
- **SP button**  
Each time you press SP button to switch the built-in speaker mode.  
(Switching the Speaker Mode- see P.4)
- **V.SEL button**  
Each time you press V.SEL button to switch the monitor's picture.  
(Switching the Monitor's Picture- see P.4)
- **MODE button**  
Each time you press MODE button to switch the screen mode.  
(Switching the TV/Video Screen Mode- see P.4)
- **AV OUT button**  
Each time you press AV OUT button to switch the AV output mode.  
(Switching the AV Output- see P.5)

**TV Control Function**

- **SEEK button**  
Each time you press the SEEK button, the tuning mode switches to auto 1, to auto 2 and to manual.  
(Selecting the Tuning Mode- see P.8)
- **SEARCH buttons**  
Press the ►►/CH.+ button to make increasing seeks.  
Press the ◄◄/CH.- button to make decreasing seeks.  
(Selecting the Channels- see P.8)
- **BAND button**  
Each time you press the BAND button, the preset band switches between the TV1 and TV2.  
(Selecting the Preset Bands- see P.8)
- **AME button**
  - 1 Selects the band for auto memory entry.
  - 2 Press the AME button.
  - 3 Press the ►►/CH.+ button or ◄◄/CH.- button to start auto memory entry.  
(Auto Memory Entry- see P.8)

## Accessories

External view ..... Number of items	External view ..... Number of items	External view ..... Number of items
①  .....1	④  .....5 (Ø4 x 12 mm)	⑦  .....2
②  .....1	⑤  .....4 (Ø4 x 16 mm)	⑧  .....2
③  .....1	⑥  .....4	

## 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, 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. 3)

### ▲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.
- This product is intended for use with 12V DC negative ground power only. Do not connect it to any other power supply
- To prevent shorting, disconnect the battery cable from the negative terminal of the battery during installation.
- Be sure to firmly stabilize this product. Do not install it in a location which is not stable.
- Follow the installation and wiring procedures described in this manual. Improper wiring or modified installation can not only result in malfunction or damage to the unit but may also result in an accident.
- Do not install the unit in the following locations.
  - A location which interferes with the operation of the air bag system.
  - A location which is not made of plastic.
    - ➔ Installing on leather, wood or cloth may damage the surface.
  - A location subject to direct sunlight, subject to the air from the air conditioner, or subject to moisture or high temperature.
    - ➔ This may cause deformation of the monitor unit.

### • Be sure to use the supplied screws for installation.

Using screws longer than those supplied may destroy parts inside the unit causing it to smoke. Using screws shorter than those supplied may cause the unit to come loose from the installation bracket.

- If you are not going to install the unit using the supplied monitor stand, be sure to use a commercially available monitor stand. (Mounting holes for such a stand are located on the bottom of the monitor unit.)

### ▲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 wire 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.

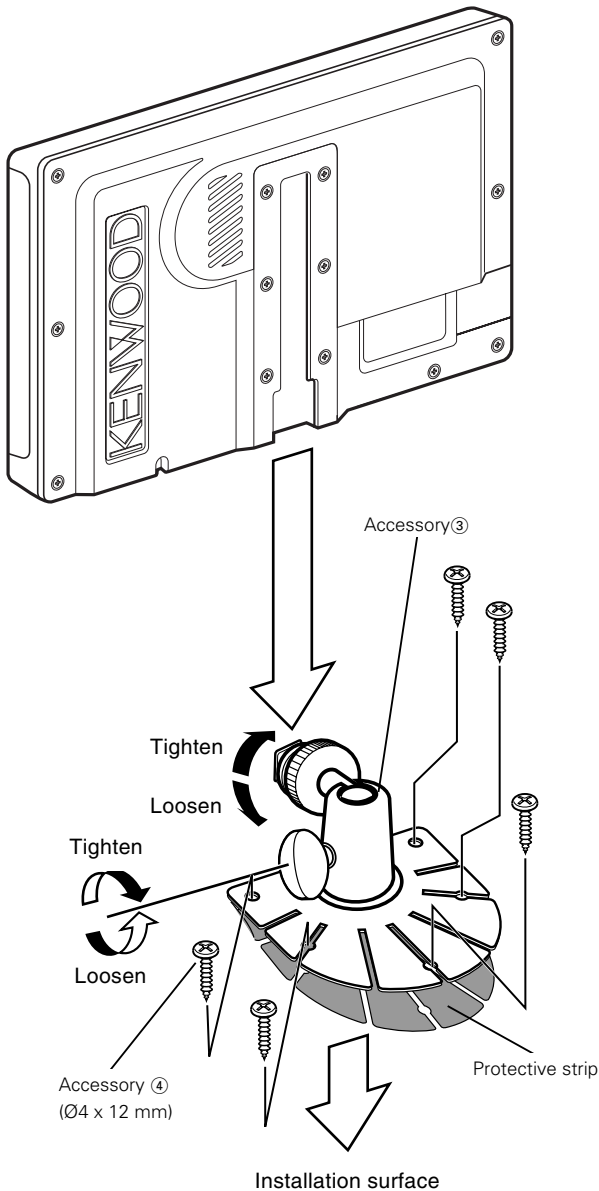
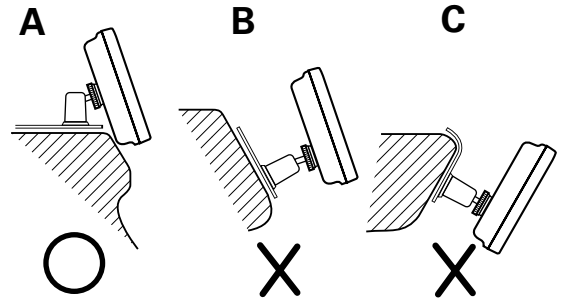
## Installation for Monitor Unit

### Installation location and cleaning

Select for installation a location where the stand can be placed completely horizontal or where the front edge of the support (petal-shaped part) can be attached horizontally as shown in Figure A.

Do not install in locations where the entire support is at a diagonal such as in Figure B or where the monitor unit is facing down such as in Figure C.

Thoroughly wipe away any dust or grease from the installation location using a cloth which has been soaked in a neutral cleaning agent and wrung out. Attach the stand after allowing the installation location to dry.



- 1 Bend the stand support to conform to the shape of the installation location.
- 2 Adjust the shape of the support so that there is no rattling or gap when the stand is placed on the support.
- 3 Peel off the protective strip from the double-sided tape on the bottom of the stand and securely attach the stand.

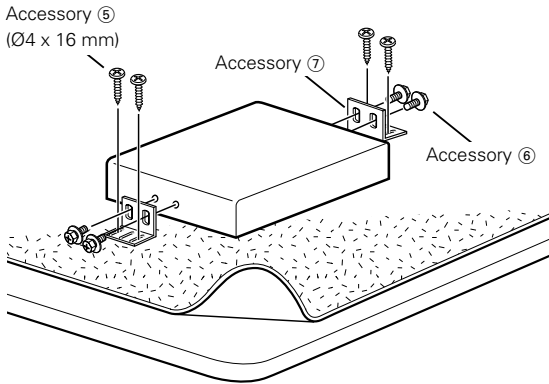
#### ▲CAUTION

- Do not attach the double-sided tape more than once or touch the adhesive with your fingers as this will weaken its adhesive strength.
  - If the temperature of the surface of the installation location is low, warm it up using a heater or other means before attaching the stand. Low temperature may weaken the adhesive strength of the tape.
  - The supplied stand is specially intended for this product. Do not use it with another television.
- 4 Secure the stand using the supplied tapping screw (Accessory ④).
  - 5 After attaching the stand, allow it to sit undisturbed for 24 hours.
  - 6 Take care not to apply any force to the stand during this time.
  - 7 Fully loosen the installation screws, align the slit on the rear of the unit with the installation shoe and slide the monitor unit onto the stand.
  - 8 Adjust the height, horizontal angle and vertical angle of the monitor and securely tighten the installation screws.

You can also adjust the monitor unit's forward position by loosening the angle adjustment knobs and adjusting the angle of the monitor unit's installation stand.

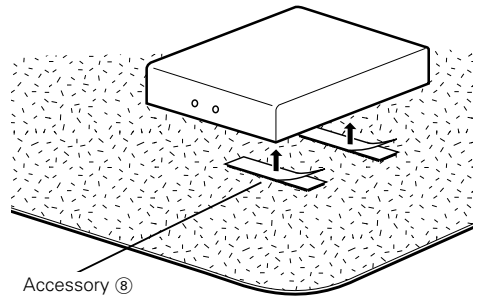
## Installation for the Video Box Unit

### ■ Securing to audio board



### ■ Securing to pile carpet

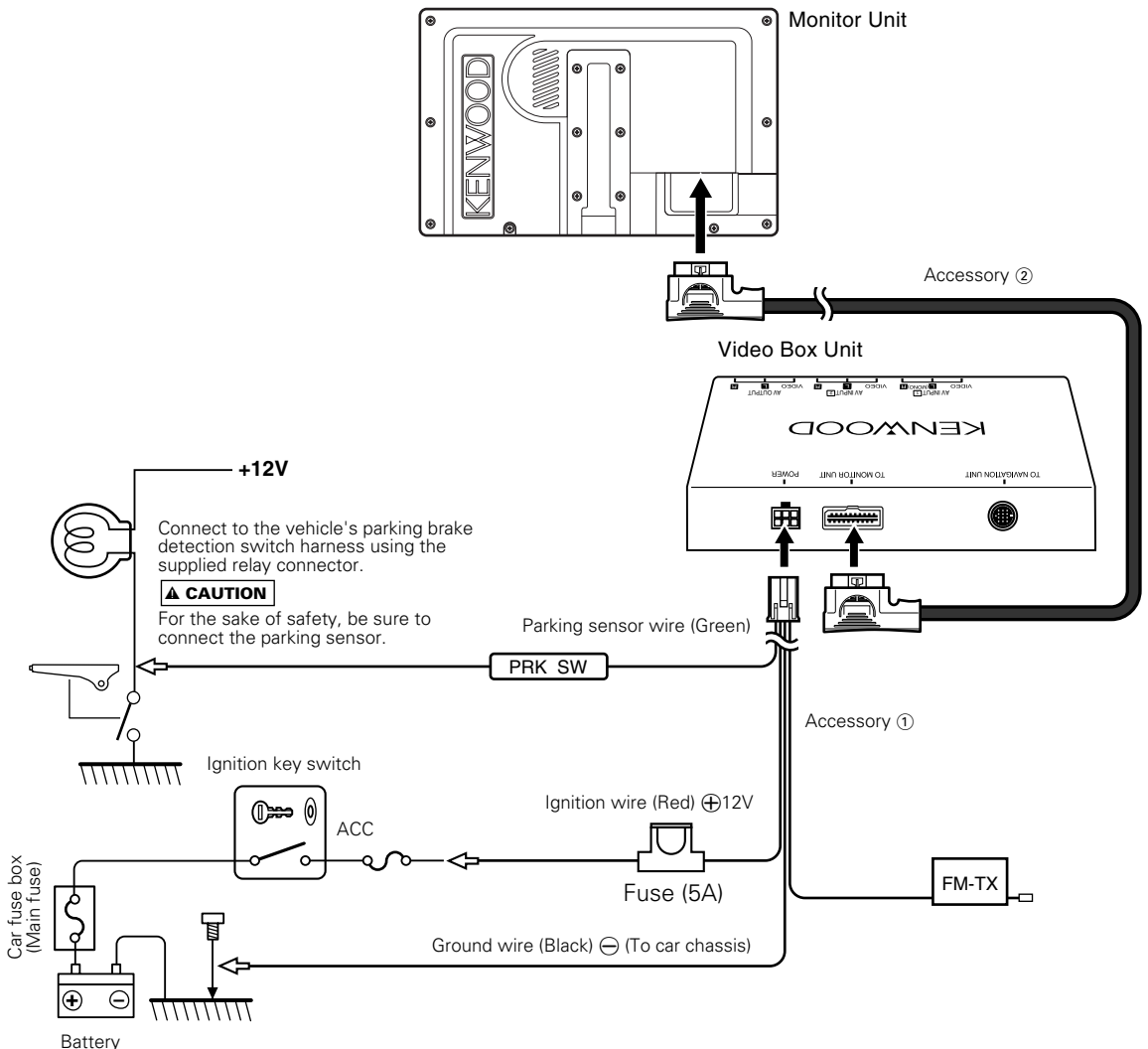
Peel the protective strips off of the velcro strips, attach them to the bottom of the hideaway unit, and secure to the pile carpet.



### ⚠ CAUTION

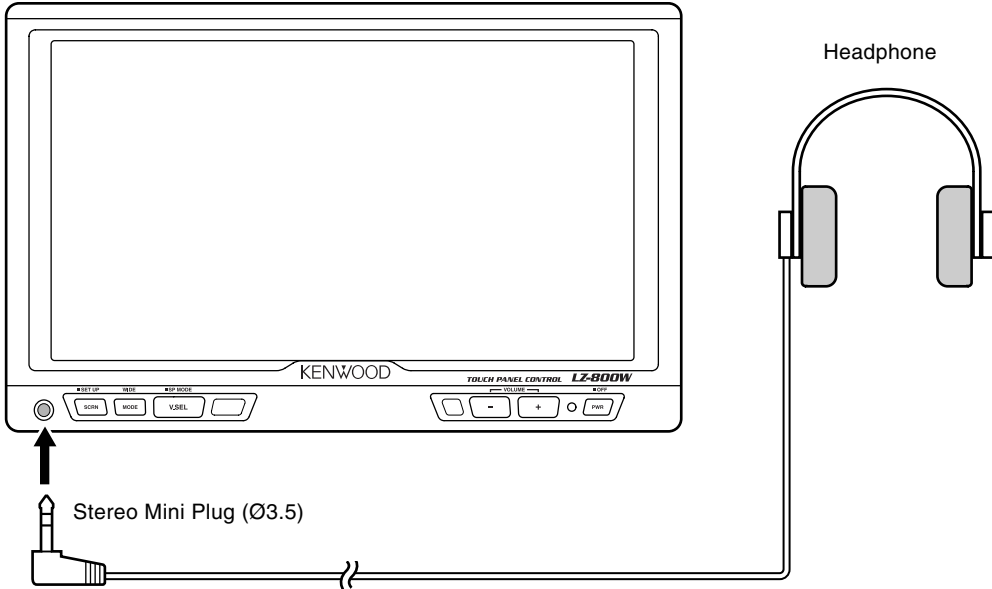
Please do not install the unit near the dashboard, the rear tray, or other important components. Doing so could lead to injury or accident should the unit come off due to a shock and strike a person or an important component. Tapping screws (Accessory ⑤) should be used for mounting. (Attachment with velcro strips, although easy, can come off with a shock.)

## Connecting the Power

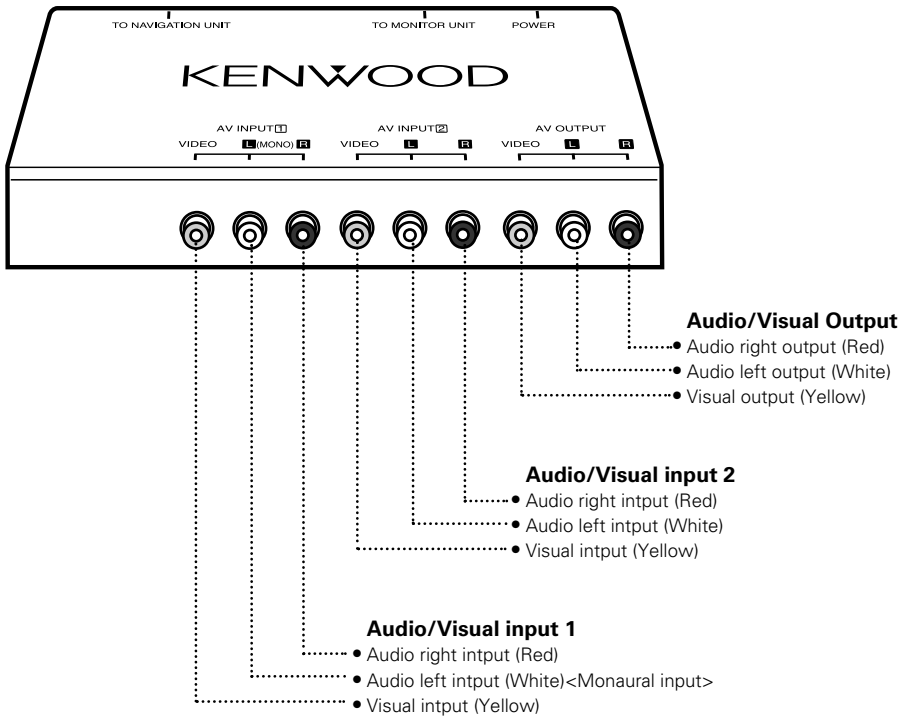


## Connecting the Headphone / AV Equipments

### ■ Connecting the Headphone



### ■ Connecting the AV Equipment



# 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 wire to the ignition as the battery wire.
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 3).
No television/video picture appears. (Television picture : when the KTC-V800N or KTC-V800P is connected)	The unit is not connected to the parking brake detection switch.	Make proper connections according to "Connecting the power" (See page 13).
	The parking brake is not engaged.	For safety reasons no television/video picture are displayed while the vehicle is moving. Engaging the parking brake will cause picture 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.
AM/FM radio reception is poor and/or there is noise. (When the KTC-V800N or KTC-V800P is connected)	The TV antenna and vehicle's radio antenna are too close.	<ul style="list-style-type: none"> <li>• Separate the two antennas as far as possible.</li> <li>• Turn off the LZ-800W.</li> </ul>

# Specifications

Specifications subject to change without notice.

## Monitor Unit

Screen size	8.0 inches wide 176.4(W) x 99.2(H) x 202(Diagonal) mm 6-15/16(W) x 3-7/8(H) inch
Display system	Transparent TN LCD panel
Drive system	TFT active matrix system
Number of pixels	336,960 pixels (480 H x 234 V x RGB)
Effective pixels	99.99%
Pixel arrangement	RGB striped arrangement
Back lighting	Cold cathode tube
Phone jack (Miniplug x 1) Audio output level	Stereo Mini Jack / 820 mV/32 Ω
Built-in speaker	1W (40 x 20 mm)

## Video Box Unit

Color system	NTSC/PAL(Compatible)
Video input level (RCA jack)	1 Vp-p/75 Ω
Audio input level (RCA jack)	1 V/22 KΩ
Video output level (RCA jack)	1 Vp-p/75 Ω
Audio output level (RCA jack)	500 mV/1 KΩ
RGB Input (13 Pin)	0.7 Vp-p/75 Ω

## General

Operating voltage	14.4 V DC (11 to 16 V)
Consumed Power	27 W (25 W:during normal operations)
Operational temperature range	-10°C to +60°C
Storage temperature range	-30°C to +85°C
Size	
(Monitor unit)	211.3(W) x 134(H) x 30(D) mm 8-5/16(W) x 5-1/4 (H) x 1-3/16(D) inch
(Video box unit)	188(W) x 30(H) x 144.8(D) mm 7-3/8(W) x 1-3/16(H) x 5-11/16(D) inch
Mass	
(Monitor unit)	580 g (1.3 LBS)
(Video box unit)	730 g (1.6 LBS)

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.