

KENWOOD

LZ-701W

7-inch WIDE SCREEN MONITOR

INSTRUCTION MANUAL

MONITEUR GRAND ECRAN 7 pouces

MODE D'EMPLOI

7-Zoll BREITBILD MONITOR

BEDIENUNGSANLEITUNG

7 inch BREEDBEELDMONITOR

GEBRUIKSAANWIJZING

MONITOR A SCHERMO AMPIO 7 pollici

ISTRUZIONI PER L'USO

MONITOR DE PANTALLA PANORÁMICA DE 7 pulgadas

MANUAL DE INSTRUCCIONES

MONITOR DE ECRÃ LARGO de 7 polegadas

MANUAL DE INSTRUÇÕES

LA DICHIARAZIONE DI CONFORMITA' "CE"
DI QUESTO PRODOTTO E' DEPOSITATA
PRESSO:



KENWOOD ELECTRONICS EUROPE B.V.
AMSTERDAMSEWEG 37
1422 AC UITHOORN
THE NETHERLANDS

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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 wires with an area of 0.75mm² (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.

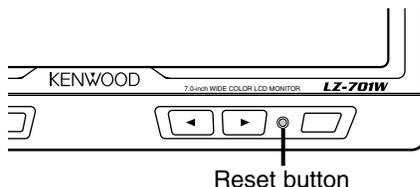
▲CAUTION

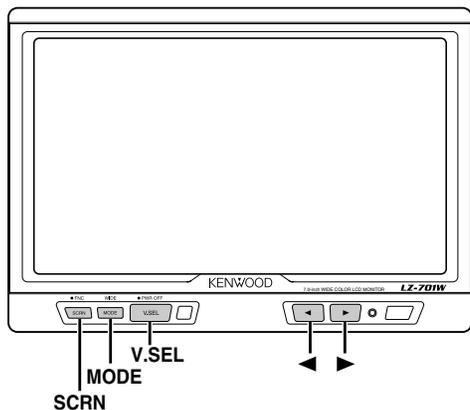
To prevent damage to the machine, take the following precautions:

- 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.





Power

Turning on the power

Press the V.SEL button.

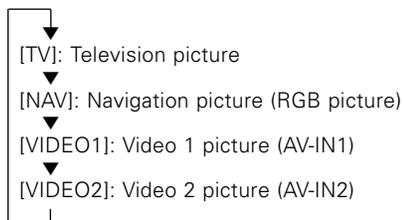
Turning off the power

Press the V.SEL button for at least two seconds.

Switching the Monitor's Picture

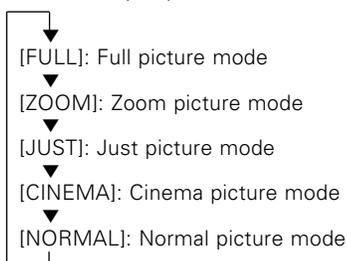
<When the KTC-V800N or KTC-V800P is connected>

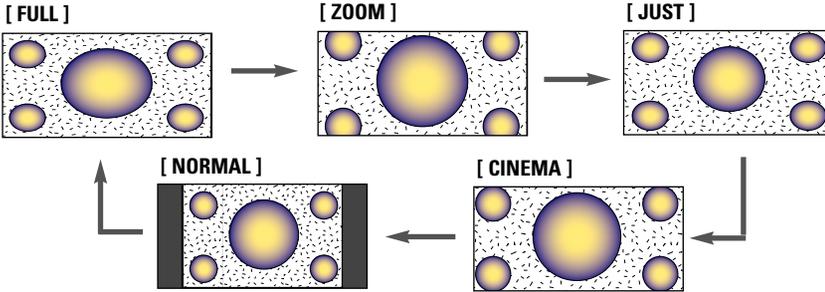
Each time you press the V.SEL button, the monitor's picture switches as follows:



Switching the Screen Mode

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





NOTE

You cannot operate when the navigation picture is displayed.
 <When the KTC-V800N or KTC-V800P is connected>

Adjusting the Picture Quality

- 1 Press the SCRN button, the picture quality adjustment screen to be displayed.
- 2 Each time you press the SCRN button, the adjustment item can be selected..
- 3 Press the [◀] or [▶] button to adjust the value.

[BRIGHTNESS] (for Day time screen)

Press the [▶] button for a brighter screen.
 Press the [◀] button for a darker screen.

[TINT]

Press the [▶] button for a stronger green level.
 Press the [◀] button for a stronger red level.

[COLOR]

Press the [▶] button for a deeper color.
 Press the [◀] button for a paler color.

[DIMMER] (for Night time screen)

Press the [▶] button for a brighter screen.
 Press the [◀] button for a darker screen.

[CONTRAST]

Press the [▶] button for stronger contrast.
 Press the [◀] button for less contrast.

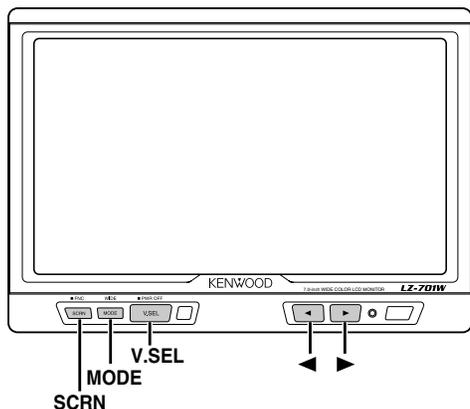
[BLACK LEVEL]

Press the [▶] button for less black level.
 Press the [◀] button for a stronger black level.



NOTE

- The [TINT] cannot be adjusted for the picture of PAL.
- The [TINT] and [COLOR] cannot be adjusted for the navigation picture.
- [BRIGHTNESS] and [DIMMER] initial values are maximum.
- As regards [DIMMER] adjustment:
 - When the condition is bright around the periphery of the monitor unit, the brightness does not change even when [DIMMER] is adjusted.
 - When set to maximum, even if the monitor unit periphery dims, there is no change in from the brightness set with [BRIGHTNESS].
 - 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.



Selecting the Channels

<When the KTC-V800N or KTC-V800P is connected>

Auto Seek Mode (AUTO1)

- Press the [►] button to seek for channels up the band.
- Press the [◀] button to seek for channels down the band.

Preset Station Seek Mode (AUTO2)

- Press the [►] button to move to the next preset station.
- Press the [◀] button to move to the last preset station.

Manual Seek Mode (MANU)

- Press the [►] button to increase the channel by one step.
- Press the [◀] button to decrease the channel by one step.

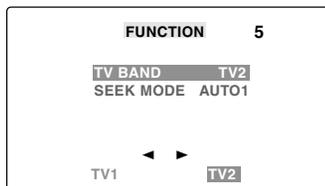
Setting the Function

- 1 Press the SCRAN button for at least two second, the function setting screen to be displayed.
- 2 Each time you press the SCRAN button, the setting item can be selected.
- 3 Press the [◀] or [►] button to set the function.

Selecting the Preset Bands [TV BAND]

<When the KTC-V800N or KTC-V800P is connected>

- Press the [◀] or [►] button to switch to the preset band TV1 and TV2.



Selecting the Seek Mode [SEEK MODE]

<When the KTC-V800N or KTC-V800P is connected>
 You can choose from three seek modes: auto seek, preset station seek, and manual seek.

Press the [◀] or [▶] button, the mode switches as follows:

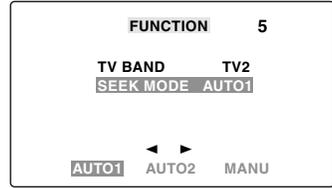
[AUTO 1]: Auto Seek Mode



[AUTO 2]: Preset Station Seek Mode



[MANU]: Manual Seek Mode



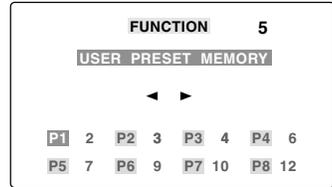
Channel Preset Memory [USER PRESET MEMORY]

<When the KTC-V800N or KTC-V800P is connected>
 Store the channel of the station currently being looked to.

- 1 Press the [◀] or [▶] button to select the [P1] - [P8].
- 2 Press the SCRNB button for at least two seconds to store the channel of the station currently.

NOTE

You can store 8 stations in each of the TV1 and TV2 preset bands.



Selecting the Reception Area [TV AREA]

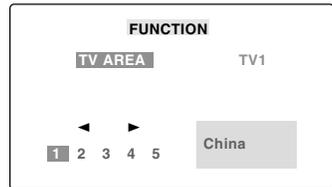
<When the KTC-V800P is connected>

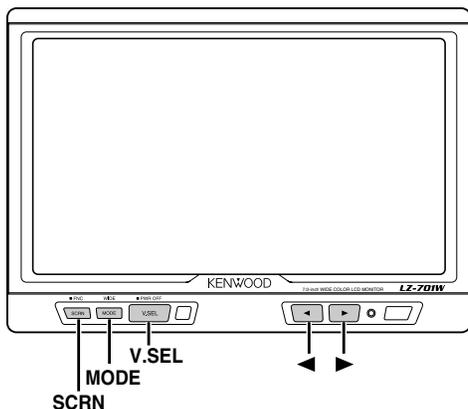
Press the [◀] or [▶] button to select the channel setting for your country as follows:

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

NOTE

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

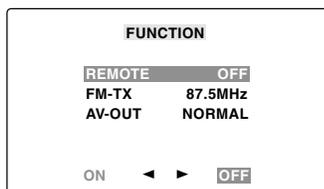




Setting the Remote Sensor On/Off [REMOTE]

If this unit also runs when operating other units with different Kenwood remote controls, its remote control function can be turned off.

Press the [◀] or [▶] button to switch the function on and off.



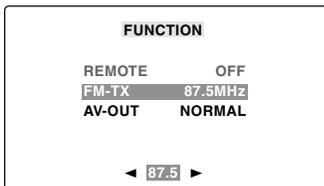
FM Transmitter Function [FM-TX]

<When the KTC-V800N* or KTC-V800P is connected>
You can use the FM transmitter function to hear the sound of the TV, video from your car FM radio.

Press the [◀] or [▶] button to change the frequency by 0.1 MHz step and off [OFF].

NOTE

- *The KTC-V800N is not display the FM transmitter function depending on the sales area.
- Be sure to select a frequency that is not the same as a broadcast station in your area.
- The auto seek function on your car radio may not stop at the FM transmitter frequency. In this case, use the manual seek function to set the radio to the FM transmitter frequency.

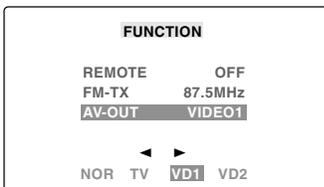


Switching the AV Output [AV-OUT]

<When the KTC-V800N or KTC-V800P is connected>

Press the [◀] or [▶] button, the AV output mode switches as follows:

- ↓ [NORMAL](NOR): Picture/sound with monitor picture
- ↓ [TV]: Television picture/sound
- ↓ [VIDEO1](VD1): Video 1 picture/sound
- ↓ [VIDEO2](VD2): Video 2 picture/sound



Remote Control Function

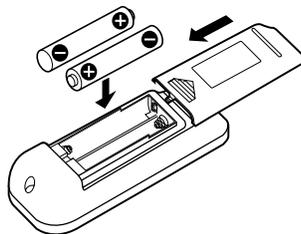
<Provided with the KTC-V800N/KTC-V800P>

▲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.

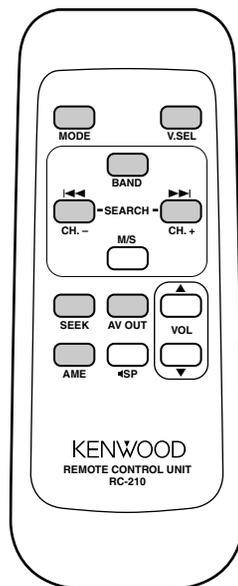


▲WARNING

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

- **V.SEL button**
Each time you press V.SEL button to switch the monitor's picture.
- **MODE button**
Each time you press MODE button to switch the screen mode.

- **AV OUT button**
Each time you press AV OUT button to switch the AV output mode.

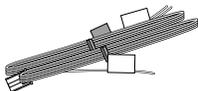
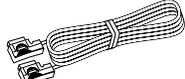
TV Control Function

- **BAND button**
Each time you press the BAND button, the preset band switches between the TV1 and TV2.
- **SEARCH buttons**
Press the ►►/CH.+ button to make increasing seeks.
Press the ◀◀/CH.- button to make decreasing seeks.
- **SEEK button**
Each time you press the SEEK button, the seek mode switches to auto 1, to auto 2 and to manual.
- **AME button**
You can automatically store all the receivable channels in the band currently being looked to.

- 1 Select the band for auto memory entry.
- 2 Press the AME button.
- 3 Press the ►►/CH.+ button to start auto memory entry.

Installation

Accessories

External view	..... Number of items	External view	..... Number of items
①	..... 1	④	..... 5
②	..... 1	⑤	..... 2
③	..... 1		

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 wire connections for each unit.
3. Connect the wiring harness wires 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 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 wire 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 wires 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 wires, the battery may die.
- If the fuse blows, first make sure that the wires have not caused a short circuit, then replace the old fuse with one with the same rating.
- Do not let unconnected wires 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 wires.
- 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 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.

Installation

Installation for Monitor Unit

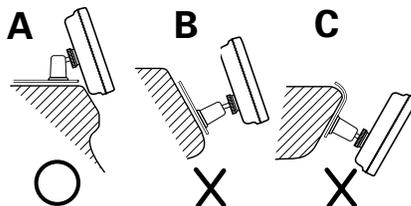
Installation location and cleaning

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.

▲CAUTION

Thoroughly wipe away 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.

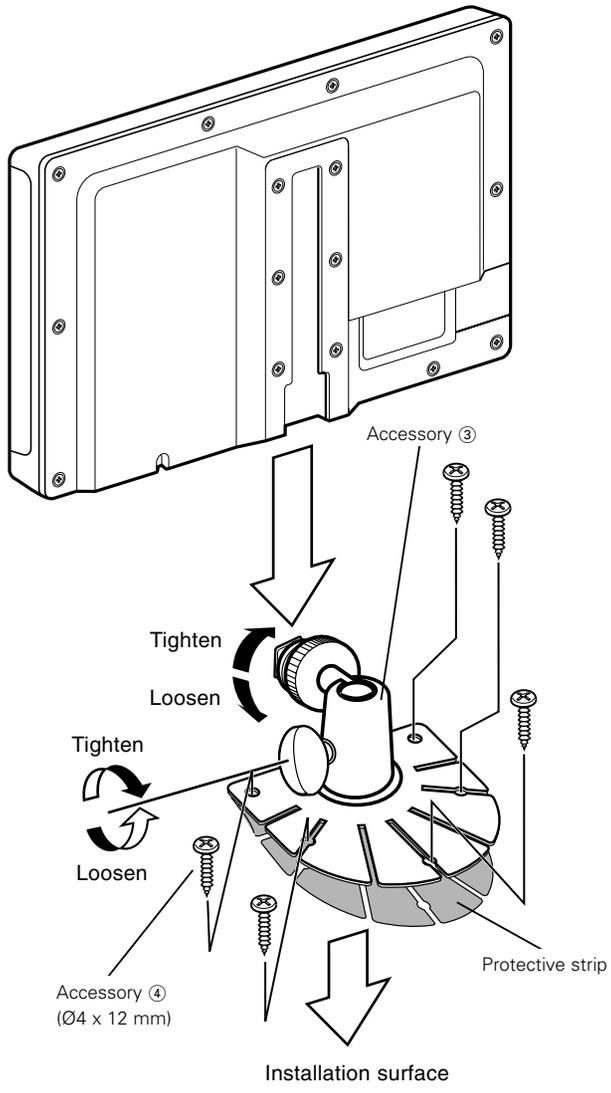


- 1 Bend the stand support to conform to the shape of the installation location.
- 2 Adjust the shape of the support so that there is no rattling or gap when the stand is placed on the support.
- 3 Peel off the protective strip from the double-sided tape on the bottom of the stand and securely attach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

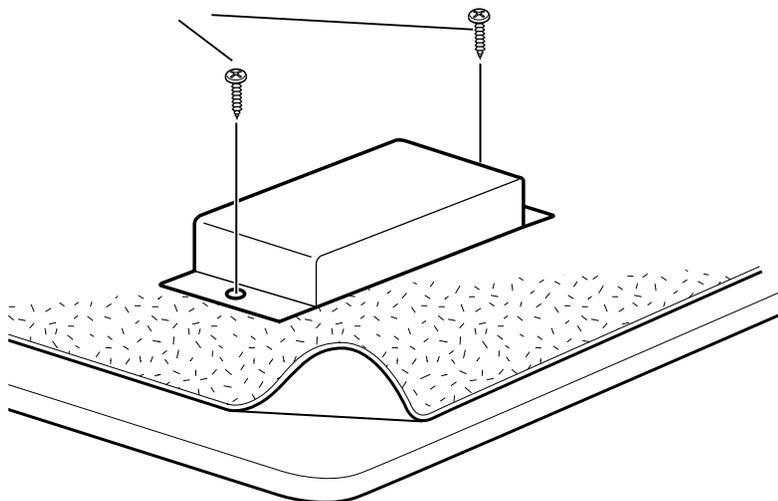
You can also adjust the monitor unit's forward position by loosening the angle adjustment knobs and adjusting the angle of the monitor unit's installation stand.



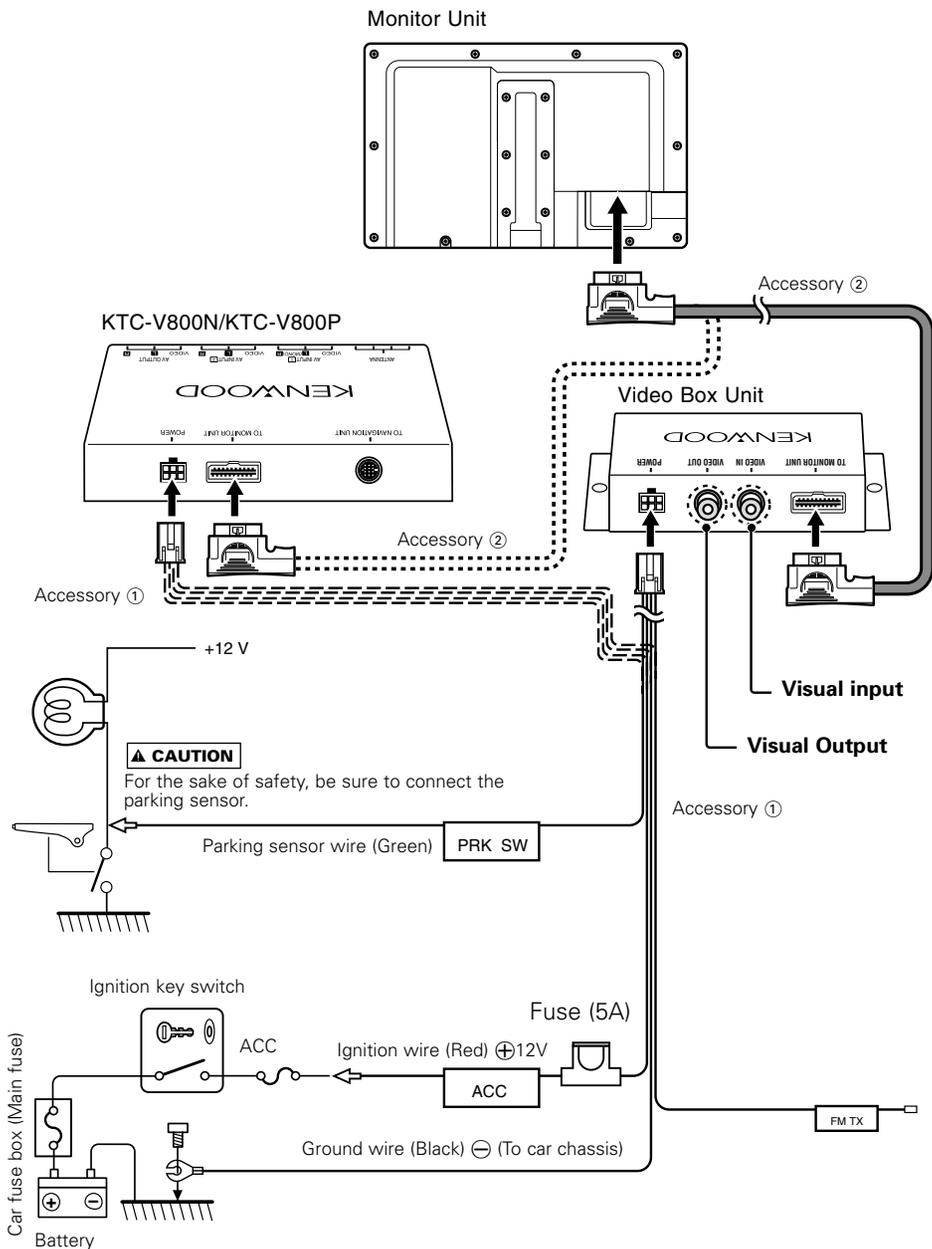
Installation

Installation for the Video Box Unit

Accessory ⑤ (Ø4 x 16 mm)



Connection



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 wires, 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 "Connection" (See page 15).
	The parking brake is not engaged.	For safety reasons no 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"> • Separate the two antennas as far as possible. • Turn off the LZ-701W.

Specifications

Specifications subject to change without notice.

Monitor Unit

Screen size	7.0 inches wide 154.1(W) x 87.05(H) x 177(Diagonal) mm 6-1/16(W) x 3-7/16(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

Video Box Unit

Color system	NTSC/PAL(Compatible)
Video input level	1 Vp-p/75 Ω
Video output level	1 Vp-p/75 Ω

General

Operating voltage	14.4 V DC (11 to 16 V)
Consumed Power	11 W
Operational temperature range	-10°C to +60°C
Storage temperature range	-30°C to +85°C
Size	
(Monitor unit)	176(W) x 123(H) x 29(D) mm 6-15/16(W) x 4-13/16 (H) x 1-1/8(D) inch
(Video box unit)	100(W) x 25(H) x 50(D) mm 3-15/16(W) x 1(H) x 1-15/16(D) inch
Mass	
(Monitor unit)	420 g (0.9 LBS)
(Video box unit)	170 g (0.4 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.

KENWOOD