



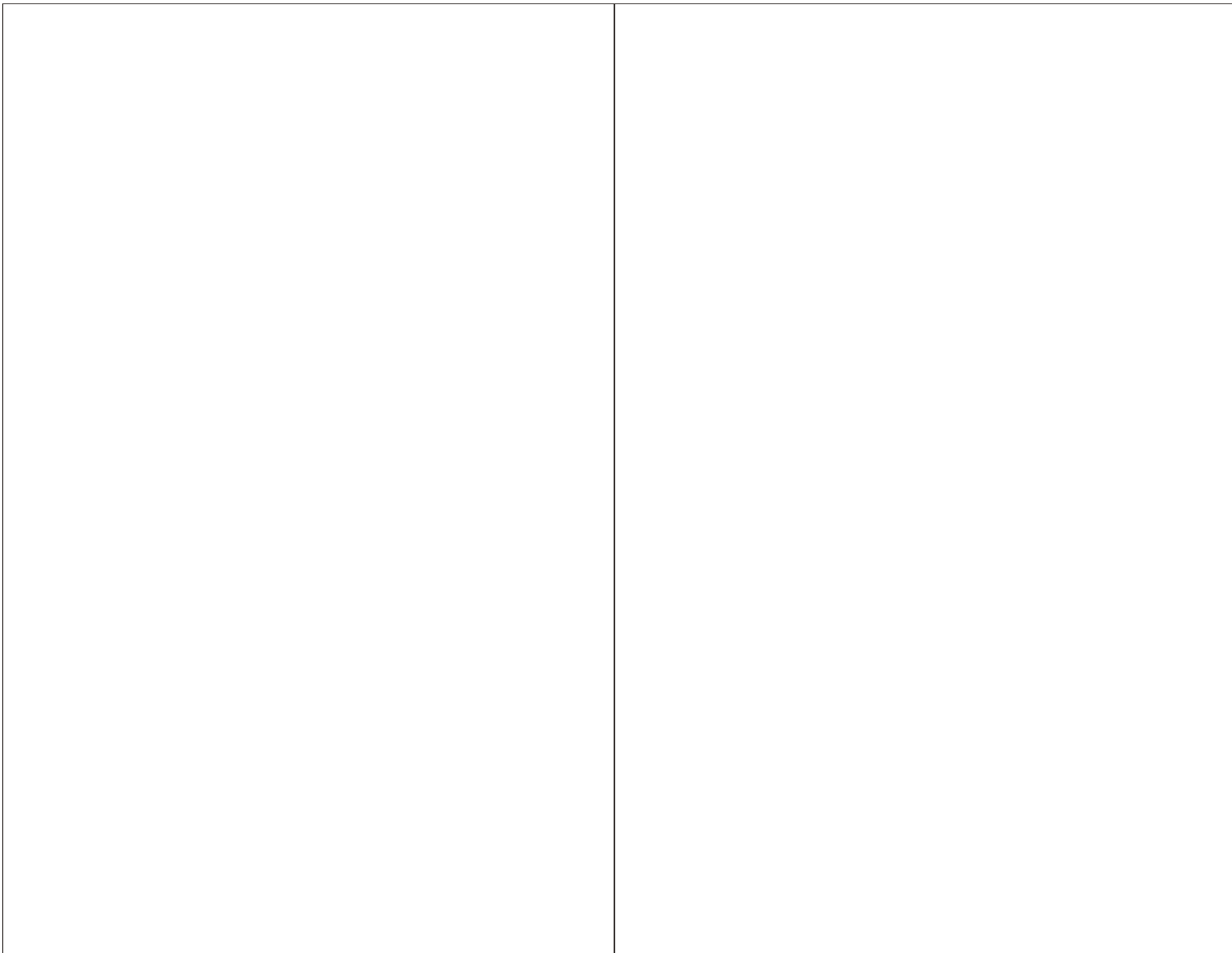
SH92IB,G,T

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## USER'S MANUAL

**Universal Headrest  
with  
Pre-installed  
9.2" Widescreen  
TFT Monitor**  
with  
**Built-in Dual Channel  
Infrared Audio Transmitter**





Universal Headrest  
with  
Pre-installed  
9.2” TFT Monitor

Congratulations on your purchase  
of a this video monitor system.

It has been designed, engineered and  
manufactured to bring you the highest  
level of performance and quality, and  
will afford you years of viewing  
pleasure.

WARNING!

Do not watch or operate the video monitor  
while driving. Doing so is unsafe and can distract  
the driver, which may cause an accident.

In some states or countries it is illegal for a driver  
to operate or view a video monitor while driving.  
It may also be illegal for a passenger to operate  
or view a video monitor in a moving vehicle even  
if the driver is not watching it.

Be sure that the installation and operation of this  
product is in compliance with local rules and  
regulations.

USER’S MANUAL

page	CONTENTS
2	General precautions
2	Safety precautions
3	Installation precautions
3	Operation precautions
3	Features
3	What is included?
4	Monitor controls and features
5	Headrest monitor installation
6	Remote control features
6	Changing the remote control battery
7	System wiring
8	On-screen menu system (OSD)
9	Dual Channel Infrared Transmission
10	Troubleshooting
11	Specifications

## General precautions

Please read this manual completely and carefully prior to attempting to install your new mobile video equipment. Installed correctly, this equipment will provide you with years of enjoyable and safe usage.

Installation of this equipment in any portion of a vehicle which impairs or distracts the driver is improper and dangerous. The manufacturer assumes no liability whatsoever for failure to follow the proper installation of this product.

Please keep this manual in a safe place for future reference.

## Safety precautions

- Do not operate this equipment while driving – safe driving should always be your highest priority.
- Do not install this product in a location which allows the monitor screen to be visible to the driver of the vehicle. In some states and countries, the viewing of images on a screen inside a vehicle is illegal, even by people other than the driver. Be sure that the installation and operation of this system is in compliance with local rules and regulations.
- Do not open or attempt to repair this unit yourself. Dangerous high voltages are present which may result in electric shock. Refer any repairs to a qualified service technician.
- Do not attempt to repair a damaged, broken or faulty power cord. Replace it with a new one immediately.

- To avoid risk of electronic shock or damage to the monitor, do not permit any of this equipment to become damp or wet from water or drinks. If this does occur, immediately unplug the power cord and send the monitor to your local dealer or service center as soon as possible.

- If there is smoke or any peculiar odor present during use or if there is damage to any of the component enclosures, immediately unplug the power cord and send the monitor to your local dealer or service center as soon as possible.

**SHOCK HAZARD! Do not open the case of this product.** There are dangerous voltages present within the unit. There are no user-serviceable parts within the unit.

## Specifications

### MODEL

### Universal Headrest with Pre-installed 9.2" TFT Monitor

#### VIDEO SYSTEM

<b>Screen size</b>	9.2"
<b>LCD panel type</b>	Widescreen Active Matrix TFT
<b>Compatibility</b>	NTSC/PAL
<b>Resolution, pixels</b>	1152 x 234 (widescreen)
<b>Brightness</b>	450 NITS
<b>Video inputs</b>	Two RCA video inputs One pair (R/L) audio inputs
<b>Viewing angle</b>	From center: Left: 70°, Right: 70°, Up: 65°, Down: 65°

#### DUAL CHANNEL INFRARED AUDIO TRANSMITTER

<b>Operating frequencies</b>	Channel A: 2.3MHz/2.8MHz (L/R) Channel B: 3.2MHz/3.8MHz (L/R)
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#### GENERAL

<b>Power requirements</b>	10-15V DC (typical DC 12V)
<b>Power consumption</b>	4W-7W
<b>Dimensions</b>	Monitor face: 9.5" x 6.7" (241.3 x 170.3mm) Overall headrest: 12.2" x 8.7" x 4.9" (310 x 220 x 125mm)

*All specifications subject to change without notice.*

Troubleshooting

If you experience operation or performance problems with this product, compare your installation with the electrical wiring diagram on the previous page. If problems persist, read the following troubleshooting tips which may help eliminate the problems.

SYMPTOM	CAUSE	REMEDY
No picture or sound.	Power cord is not properly connected.	<i>Check that power connections are properly made and all fuses are in functioning condition.</i>
	Video input cables not properly connected.	<i>Check all cables.</i>
	Video input source is not operating properly.	<i>Replace or repair video source (DVD player, video game, etc.)</i>
No picture.	Video signal not present.	<i>Check all cables. If necessary, repair or replace video source.</i>
	Contrast and/or brightness is set improperly.	<i>Adjust contrast and brightness levels to see if picture appears.</i>

Installation precautions

Choose a mounting location in your vehicle where the unit will not distract or otherwise interfere with the driver's ability to control the vehicle.

Do not install components in areas which are susceptible to rain, moisture, direct sunlight, extreme heat or cold, excessive dust, dirt or humidity.

If installation requires drilling holes or other modifications to the vehicle, consult with your nearest dealer or professional car audio installer.

Use only the installation parts and hardware provided with the unit to ensure proper installation. Using other parts can cause malfunction and possible damage to your new video monitor.

Use only a power source with 12 Volts DC (negative ground).

Before final installation, temporarily connect the wiring according to the diagram near the end of this manual, check it to ensure that it has been connected properly, and test the unit to make sure it is working correctly.

After the monitor is installed, do not arbitrarily pull it down or strike it.

Operating precautions

Turn the unit off when it is not in use.

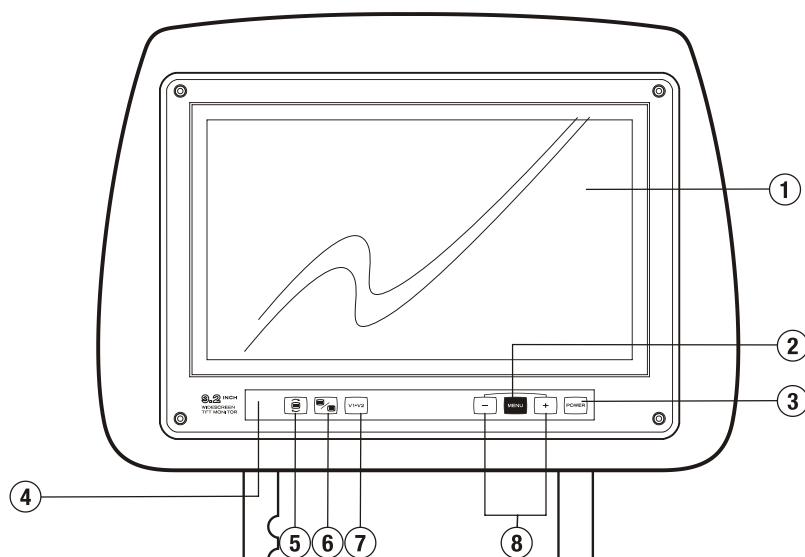
Do not place objects on or suspend objects from the power cord, as this may damage the cord.

What is included?

When first unpacking your new video monitor, please check first that the package contains all of the items below. If something is missing, contact the store where you purchased the player.

- **Universal headrest with built-in 9.2-inch TFT video monitor**
- **One remote control**
- **One pair of adapter tubes (needed when replacing headrests with large diameter posts)**
- **Video/power interface cable**

## Monitor Controls and Features



**① LCD DISPLAY**

**② MENU**

Press this button to enter the OSD (On-Screen Display) menu system for changing video display options.

**③ POWER ON/OFF**

**④ IR REMOTE CONTROL SENSOR**

**⑤ IMAGE ROTATE/FLIP**

Press this button to change the orientation of the screen image.

**⑥ ASPECT RATIO**

Use this button to select either widescreen (16:9) or normal (4:3) image aspect ratio.

**⑦ V1•V2 (Video Input Select)**

Use this button to select between the two video input sources (if connected).

**⑧ UP/DOWN BUTTONS**

Use these buttons for changing settings within the OSD (On-Screen Display) menu system

## Dual Channel Infrared Audio Transmission

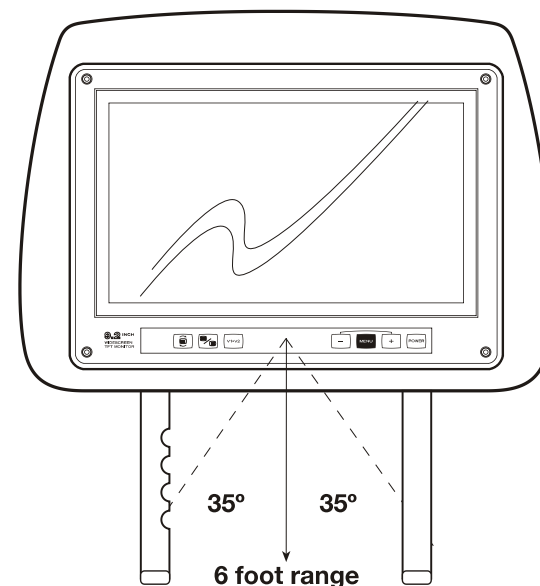
This headrest monitor system includes a dual channel wireless infrared transmitter. The transmitter sends a high-quality stereo signal which can be received by a pair of HP25 wireless infrared headphones (sold separately).

For the transmission to occur properly, the headphones must be in line-of-sight with the IR transmitter window on the front of the monitor. The transmission is best within 6 feet of the monitor and no more than 35° to the right of or left.

The dual channel feature allows you to listen to the audio from this monitor with IR headphones while another monitor transmits audio on a different frequency to another listener. (Please note: this headrest system only broadcasts on one frequency band at a time.)

To change the audio channel on which the headrest monitor system is broadcasting, simply press the MENU button on the remote control or the front panel, select the parameter adjustment for IR-A/IR-B (channel A or channel B) and use the UP/DOWN (+/-) buttons to switch between the two options.

*NOTE: Most IR single channel headphones operate on Channel A (2.3MHz/2.8MHz). If you are trying to use a single channel headphone system (i.e., NOT the Model HP25), try Channel A first. To use Channel B, you will probably need a dual channel headphone like the HP25).*



## On-screen (OSD) menu system

This monitor incorporates an on-screen menu display systems which permits you to setup the monitor for a wide variety of installations and applications.

Enter the OSD menu system by pressing the MENU BUTTON on the front of the monitor or on the remote control. The monitor will display a menu with the following functions, which you can adjust individually:

**BRIGHTNESS:** Makes the image more or less bright

**CONTRAST:** Increases or decreases the image intensity

**COLOR:** Makes the colors more or less saturated

**TINT:** Permits you to shift the color range, making it greener or redder

*Note: Tint adjustment only available when monitor is in NTSC mode.*

**MODE:** Allows you to select NTSC or PAL format for monitor display

**DUAL CHANNEL IR:** Allows you to choose the frequency channel for infrared transmission (Channel A or Channel B).

**RESET:** Returns all settings to factory presets

**EXIT:** Allows you to exit the OSD system

The basic navigation method for this menu system is to:

1 - Press the MENU button to enter the OSD system.

2 - Press MENU to move to the desired setting you wish to adjust.

3 - Use the left and right arrows to change the setting.

4 - Press MENU to confirm the setting and move to other settings you wish to change.

To exit the OSD system press the MENU button until you have highlighted EXIT and press MENU again, OR press the UP or DOWN arrow on the remote.

## Headrest monitor installation

Remove the existing headrest from the seat.

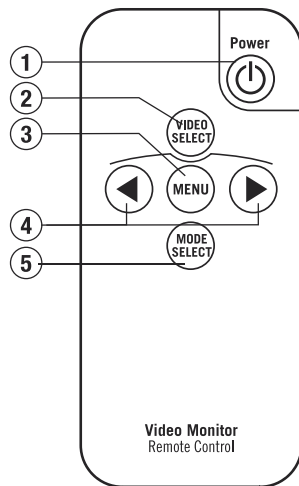
Compare the outside diameter of the new headrest posts with the holes in the seatback. If the holes in the seatback are significantly larger than the new headrest posts, you may need to use the adapter tubes (included). These tubes are approximately 12mm in diameter. If needed, slide an adapter tube onto each of the headrest posts.

Adjust the spacing of the posts of your new headrest monitor to match those of the holes in the seatback. This headrest monitor can replace original headrests with post spacing from 4.4" - 6.5" (112-165mm). To change the spacing, grasp one post in each hand, and push one forward and one back while pull them apart (to increase the distance) or push them together (to reduce the distance).

Insert the cable into the proper hole in the seatback and feed the cable down into the seatback and out the bottom (if you are unable to do this properly, see a professional mobile video installer).

Insert the headrest posts into the seatback and pull the cables from below the seat to take up the slack. Run them to the location of the video source unit (such as a DVD player) and connect the wires as shown in the System Wiring diagram.

## Remote Control Features



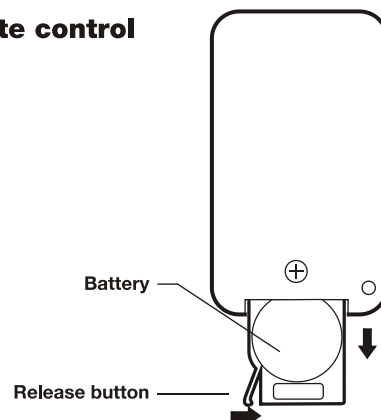
Remote control appearance may vary from this picture.

- 1 **POWER**  
Press to turn the monitor ON or OFF.
- 2 **VIDEO SELECT**  
Use this button to select between Video Input Source 1 and Video Input Source 2.
- 3 **MENU**  
Press this button to scroll through Brightness > Contrast > Color > Tint (TINT only available for NTSC) > Mode > Dual Channel IR > Reset. If you want to adjust any of them, use the INCREASE/DECREASE BUTTONS (item 4 below)
- 4 **INCREASE/DECREASE BUTTONS**  
These buttons are used to increase or decrease parameters in the on-screen display menu system.
- 5 **MODE SELECT**  
Press this to switch between widescreen (16:9) and normal (4:3) viewing modes.

## Changing the battery in the remote control

The remote battery is held in a small “drawer” on one edge of the remote. To open this drawer, press and hold the small button on the edge of this drawer (as shown below) and slide the drawer out.

Insert a new battery and push the drawer back fully into the remote.



## System wiring

On a towel or soft cloth, gently place the monitor assembly “face down” on a stable worksurface.

Using the wires provided, complete the audio, video and power connections in your vehicle as shown in the diagram below.

