

# Instruction Manual

MODEL NO.:F902



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## Important Notice

An LCD panel and/or video monitor may be installed in a motor vehicle and visible to the driver if the LCD panel or video monitor is used for vehicle information, system control, rear or side observation or navigation. If the LCD panel or video monitor is used for television reception, video or DVD play, the LCD panel or video monitor must be installed so that these features will only function when the vehicle is in "park" or when the vehicle's parking brake is applied.

\* When connecting power and ground in a mobile video installation, insure that **ACC** wire is fused at the point where it is connected to the vehicle **ACC** wiring. Failure to do so can result in damage to the vehicle if a short circuit develops between the vehicle connection point and the mobile video product.

An LCD panel and/or video monitor used for television reception, video or DVD play that operates when the vehicle is in gear or when the parking brake is not applied must be installed to the rear of the driver seat where it will not be visible, directly or indirectly, to the operator of the motor vehicle.

## Warnings

- Do not use any solvents or cleaning materials when cleaning the video monitor.
- Do not use any abrasive cleaners, they may scratch the screen.
- Use only lightly dampened lint free cloth to wipe the screen if it is dirty.
- Lock the LCD screen in fully closed position when not in use.
- Before putting on headphones always adjust the volume setting to off or lowest position.
- Remember to leave the dome light switch in the off or auto positions when the vehicle is unattended, as the dome lights, if left on, can drain the vehicle battery.
- Do not put pressure on the screen.
- Caution children to avoid touching or scratching the screen, as it may become dirty or damaged.

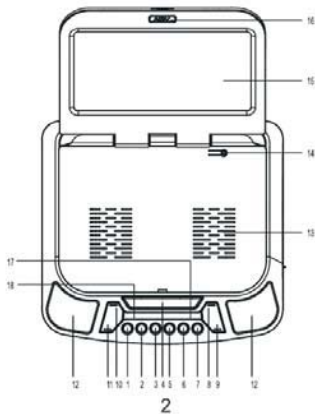
## Safety precaution

For safety reasons, when changing video media it is recommended that the vehicle is not in motion, and that you do not allow children to unfasten seat-belts to change video media or make any adjustments to the system. System adjustments can be accomplished using the remote control, while seat-belts remain fastened.

## FEATURES

- 9" TFT LCD (TFT) monitor
- Built-in DVD Player
- Auto On with Disc Insertion
- Selectable (M1 and M2) IR Receive and Transmit Codes
- Multi-Lingual OSD (On Screen Display) for Control of Picture Quality and Functions
- Four Audio/Video Source Inputs (DVD/VIDEO 1/VIDEO 2)
- Dome Lights with Built-in Three Way Switch
- Last Memory for DVD
- Built-in 16 Channel Frequency Wireless FM Modulator
- Headphone Jack
- Screen Mode Selection (16:9, 4:3)
- Backlit Controls
- Day/Night Picture Modes
- AV Output

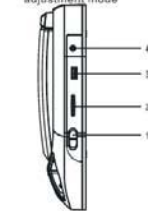
## CONTROLS AND INDICATORS DIAGRAM (FRONT VIEW)



## CONTROLS AND INDICATORS DIAGRAM (FRONT VIEW)

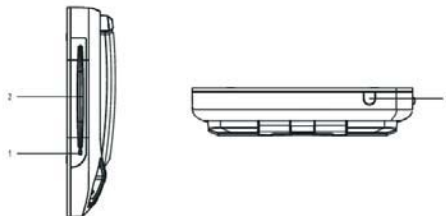
- EJECT (▲) Button**  
This Button is used for ejecting discs from the disc compartment.
- SCREEN MODE**  
Wide (16:9), Normal (4:3) and display off
- FMM**  
Used to select the frequency in sequence rotation: FM OFF, CH1 88.1MHz, CH2 88.3MHz, CH3 88.5MHz, CH4 88.7MHz, CH5 88.9MHz, CH6 89.1MHz, CH7 89.3MHz, CH8 89.5MHz, CH9 89.7MHz, CH10 89.9MHz, CH11 90.1MHz, CH12 90.3MHz, CH13 90.5MHz, CH14 90.7MHz, CH15 90.9MHz, CH16 91.1MHz.
- PIC**  
Allows the user to enter the picture adjustment mode
- SOURCE**  
Use to select one of the sources: DVD/AV1/AV2/SD/USB.
- POWER (⏻)**  
Used to turn the system on/off.
- STOP (■)**  
This button is used to stop playback.
- PLAY/PAUSE (⏮)**  
This button is used to start playback and pause to disc.
- VOLUME(-)**  
To decrease the volume of wired headphones and decrease the level of selected picture controls
- VOLUME(+)**  
To increase the volume of wired headphones and decrease the level of selected picture controls
- Dome Lights**  
Provide additional interior illumination.
- Ventilation Openings**
- LCD cut off switch**
- LCD Panel**
- Nameplate**
- Wireless Headphones Transmit**
- Remote control window**

Press this button to TFT LCD open monitor. After the unit has been turned on and is displaying a picture, adjust the viewing angle, by pivoting the screen to optimize the picture quality.



- Three Position Dome Light Switch**  
ON-Turn on the dome lights  
OFF-The dome Lights will not turn on in this position  
AUTO-Automatically switches on the dome lights in conjunction with the vehicle interior illumination.
- SD Card Reader**  
Sustain SD Card/MMC/MS
- USB 1.1 INPUT FOR USB PEN DRIVE**
- Headphone Jack**

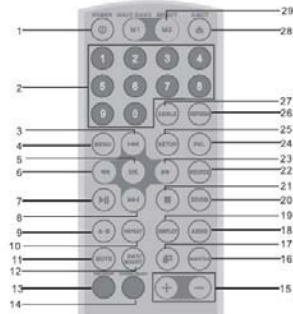
## CONTROLS AND INDICATORS DIAGRAM (FRONT VIEW)



- 1: DISC Indicator light
- 2: DVD Disc insertion slot

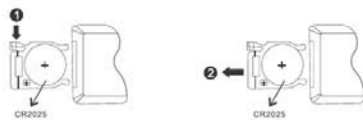
- 1: REMOTE CONTROL WINDOW

## Function descriptions



- POWER Button**—press this button to turn the unit ON and OFF
- NUMBER Button**  
Allow the user to enter numbers 0 to 9 for selection of selection of CD tracks, DVD chapters, password setting
- PREVIOUS/CURSOR (◀/▲)**  
GO the previous chapter or track. cursor use to menu selections on the screen.
- MENU Button**  
Allows the user to access the DVD (DVD MODE)
- OK Button (ENTER)**  
Used to implement a selected setting or menu option
- SCAN BACKWARD/CURSOR (◀/▶)**  
Scan backward at 2, 4, 8, 16 or 4 times speed. cursor use to menu selections on the screen.
- PLAY/PAUSE (⏮)**  
This button is used to start playback and pause to disc.
- NEXT/CURSOR (▶/▶)**  
GO the next chapter or track. cursor use to menu selections on the screen.

## Remote CONTROL OPERATION



Before attempting to operate your Remote Control, install the batteries as described ibid.

## Function descriptions

- 9: A-B  
 Allow user repeat the playback from point A to point B.  
 Once Repeat A- Mark the beginning of the section to repeat (Set point A)  
 Twice Repeat AB Mark the end of the section repeat (Set point B)  
 3 times AB off Cancel the A-B repeat function.
- 10: REPEAT  
 Allows the user to repeat a selected title, chapter, or track.  
 For MP3 disc, press "repeat" to repeat playing present file; press it again to repeat playing the folder.
- 11: MUTE  
 Press this button to mute the audio for wireless FMM and wired headphones.
- 12: DAY/NIGHT Mode Button  
 This control toggles the unit between "DAY" and "NIGHT" LCD illumination modes. In the "DAY" mode, the LCD backlight intensity is at maximum. In "NIGHT" mode, the LCD backlight is dimmed to a preset level that is more suitable for low light operation.
- 13: FMM ON/OFF  
 Turns the wireless FM Modulator on or off.
- 14: CHANNEL SELECT  
 Selects the wireless FM Modulator Frequency (CH1 88.1MHz, CH2 88.3MHz, CH3 88.5MHz, CH4 88.7MHz, CH5 88.9MHz, CH6 89.1MHz, CH 7 89.3MHz, CH8 89.5MHz, CH 9 89.7MHz, CH10 89.9MHz, CH11 90.1MHz, CH12 90.3MHz, CH13 90.5MHz, CH14 90.7MHz, CH15 90.9MHz, CH16 91.1MHz, CH17 91.3MHz).
- 15: VOLUME (-) / (+)  
 Press to decrease or increase the volume level of the picture adjustments.
- 16: SUBTITLE  
 Press to display and select the available subtitle language in DVD mode.
- 17: Screen Mode Selection ( )  
 Press the button to screen 16:9 or 4:3 mode.
- 18: AUDIO  
 Press the button to left or right audio selection (VCD).
- 19: DISPLAY  
 Press to display current disc information while the disc is playing.
- 20: ZOOM  
 Press this button to enlarge the picture when playing a DVD disc.  
 Once Enlarge the picture 1 times of the original size  
 Twice Enlarge the picture 2 times of the original size  
 3 times Enlarge the picture 3 times of the original size  
 4 times Enlarge the picture 4 times of the original size  
 5 times Picture is returned to original size.

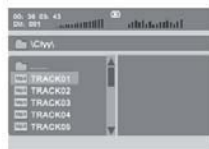
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## Playing JPG file

- Place a JPG disc into the tray the unit will start reading and play.
- Press "MENU" to browse JPG files.
- Press ▲ ▼ to select a JPG file and press "ENTER" button to confirm.
- To rotate the picture counter-clockwise, Press "▶" to rotate the picture clockwise.
- Press OSD button when viewing pictures, you can select different refresh mode as follows:
  - from top to bottom
  - from bottom to top
  - from left side to right side
  - from right side to left side
  - from left top to right bottom
  - from right top to left bottom
  - from left bottom to right top
  - from right bottom to left top
  - from horizontal center to both sides
  - from vertical center to both sides
  - from top and bottom to center.
  - from right and left to center.
  - from four window's top side to bottom side.
  - from four window's left side to right side.
  - from 4 edges to center.
- During viewing files, "⊗" may appear when pressing "Angle" or "Subtitle" or "Audio" or "Title" etc; in this situation these options are unavailable to operate.
- When viewing JPG files, press "■" , pictures will be displayed in thumbnail mode, press "▲/▼/▶/◀" or "ENTER" button to select one picture to view

## Playing MP3 file

- Place MP3 disc into the disc door or insert USB disk/SD card to USB port or SD card slot. Press "▲/▼" or "ENTER" button to choose a MP3 file; Press "■" or "ENTER" button to play the file selected.



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## Function descriptions

- 21: STOP  
 Press to stop playback.
- 22: SOURCE  
 Each time (the button is pressed, the audio/video source will change in the menu selection. (DVD IAV1/AV2/MEDIA)  
 Scan Forward at 2.4.8.16 or 4 times speed. cursor use to menu selections on the screen.
- 23: SCAN FORWARD (▶/▶)  
 Scan Forward at 2.4.8.16 or 4 times speed. cursor use to menu selections on the screen.
- 24: PIC  
 Allows the user to enter the picture adjustment mode. (BRIGHTNESS, CONTRAST, Hue, Saturation, RESET). Once the desired adjustment bar is displayed, use the VOLUME (+)/VOLUME (-) button to adjust the setting. the display will automatically turn off on adjustments are made within 6 seconds, or is any other button is pressed.
- 25: SETUP  
 Press to display the setup menu which allows the user to change the DVD player options such as OSD LANGUAGE, PARENTAL CONTROL etc.
- 26: RETURN  
 Press Return once: Go to disc menu.  
 Press Return Twice: Go to movies playback
- 27: ANGLE  
 To display multi unlike picture
- 28: EJECT (▲)  
 This is used to eject the disc.
- 29: WAVE BAND  
 M1 BUTTON—Change the remote control code enable to control of the unit when set to the M1 mode (CH wave band)  
 M2 BUTTON—Change the remote control code enable to control of the unit when set to the M2 mode (CHB wave band)

## SETTINGS AND ADJUSTMENTS

The setup Menu contains features and options that let you customize your DVD player. For example, you can set a language for the on screen display, limit playback for children

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## System Setup




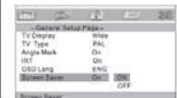
Press "Setup" button the main menu will be displayed on the screen. In the General Setup Page, Press "▶" button to highlight this item. Press "ENTER" button to access. Press "▲/▼" button to select the setting. Press "ENTER" button to confirm your selection. Press "■" button to exit.

## General setup page



	<p><b>TV display</b>                  Enter this option user cannot screen display format (Normal/PS, Normal/LS, Wide).                  The default is "Wide"                  Note:                  ⊗ The function depends on the display ratio with which the DVD disc is recorded.                  ⊙ Please choose "Wide(16:9)" when using a 16:9 widescreen TV set 16:9</p>
	<p><b>TV Type</b>                  Enter this option to select TV type (PAL, NTSC).                  The default is PAL.</p>
	<p><b>Angle Mark</b>                  Enter this option to set the angle during playback.                  Optional setting: ON, OFF.                  The default is: ON.</p>
	<p><b>IRT</b>                  Enter this option to select IRT (On, Off)</p>

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## System Setup




 <p>OSD Language In this option user can set OSD menu language. The default is English.</p>	 <p>Screen Saver Enter this option to set whether to activate the screen saver function. The default is ON.</p>
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## System Setup


 <p>Audio Enter this option user can select your preferred audio language for DVDs. The default is English. Note: 1) The audio language depends on the material on each disc. 2) User can also change the audio language during playback by pressing the Audio button.</p>	 <p>Subtitle Select your preferred language to show the subtitles on the screen. The subtitle languages depend on the information available on each disc. You can also change the subtitle language during playback by pressing the SUBTITLE button.</p>
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## System Setup

 <p>Disc Menu This function allows you to choose the menu language stored on the disc. The default is English. The function is only available for DVD.</p>	 <p>Parental Enter this option, user can set child locks to prevent children watching some unsuitable content in DVD discs. This function is disc-dependent. The default is 'ADULT'.</p>
 <p>Default Select this item and press OK button to reset all settings to the original factory settings.</p>	

## Password Setup Page

 <p>Enter this option, you can set a password (four numbers). All parental Control features are password protected. The default password is 3366.</p>
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## SOURCE FEATURE

Source Feature will in the menu selection . (DVD/AV1/AV2/MEDIA)

DVD
AV1
AV2
USB
SD

### DVD

When in into the DVD player, the program system will switch to DVD mode directly whatever the CARD or USB and AV is in play condition .

All the source only can be change when the DVD player select a stop position

Every time open power on the DVD mode . and that have Last Memory .

When power OFF mode , into the disc automatically open power and that Disc Insertion

### AV1

The F902 will accept an audio/video input through the 3 RCA jacks located on the rear of the unit. The audio/video device could be a video game system, video camera, or other input device.

### AV2/DIN

The video input may be connected to a video cassette player (VCR), video game system, or other audio/video devices.

To access the AV inputs, turn the F902 on and press the source button on the F902 or the source button on the remote control displayed menu on the screen . Turn the video source component on with its power button or remote control . the F902 is now ready to play the audio and video signals from the source connected to AV2 input.

Sustion SD card/mmc

### OVERHEAD DOME LIGHTS

The Dome Light integrated into the F902 are controlled by a three-position slide switch. Sliding the switch to the ON position will turn the lights ON. The OFF position will prevent the lights from turning ON with the vehicle interior lighting, and the auto position will allow the lights to turn ON and OFF with the vehicle interior lighting. Refer to the Installation Guide for wire connections. Do not leave the vehicle unattended with the dome light switch in the ON position, as this could result in a discharged battery.

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## SOURCE FEATURE

### REMOTE SENSOR

The F902 incorporates two infrared remote sensors which relay signals from the remote control to allow the unit to be controlled simply by pointing its remote control at the remote sensor. The infrared sensor can relay signals from most manufacturer's remote control to its respective component connected to the AV input . In this case you must use the remote control supplied with the component.

## WIRELESS HEADPHONES

The F902 includes a built-in infrared transmitter for use with the supplied wireless headphones. The volume can then be adjusted using the controls on each headset. Any number of wireless headphones may be used but they must be used with a line of sight from the transmitter, as infrared transmissions, like visible light travel only in a straight line. See the documentation accompanying your wireless headphones.

## WIRED HEADPHONES(OPTIONAL)

There is one 1/8" headphone jack on the F902 that can be used with any standard wired stereo headphones with a 1/8" plug. This jack is controlled by the volume up/down buttons on the F902 .

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## TROUBLESHOOTING

PROBLEM	SOLUTION
IR remote inoperative	1. Verify that the batteries in the remote are fresh 2. Verify that the remote sensor eye is not obstructed.
Disc won't play	1. Insert a disc with the label side facing up 2. Check the type of disc you put into disc tray. This DVD only plays DVDs, audio CDs and mp3s 3. Both the unit and the disc are coded by region. If the regional codes don't match, the disc can't be played. This DVD player is set to Region Number 1
Play starts, but then stops immediately	1. The disc is dirty. Clean it. 2. Condensation has formed. Allow player to dry out.
No sound or distorted sound	1. Make sure your DVD is connected properly. Make sure all cables are securely inserted into the appropriate jacks. 2. If you are using the 2 -channel IR headphones, make sure you turn on a the IR headphone power, make sure the correct channel (A-B) is selected. 3. Make sure the Modulator is ON and the proper Frequency has been selected.
Can't advance through a movie	1. You can't advance through the opening credits and warning information that appears at the beginning of movies because the disc programmed to prohibit that action
The icon ( ) appears screen	The feature or action cannot be completed at this time because: 1. The disc's software restricts it 2. The disc's software doesn't support the feature 3. The feature is not available at the moment. 4. You've requested a title or chapter number that is out of range.
Picture is distorted	1. The disc might be damaged. Try another disc 2. It is normal for some distortion to appear during forward or reverse scan

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## SPECIFICATIONS

Type : TFT Active Matrix LCD	Power Source : DC9 ~ 16V
Pixels : 1920 x 234	Video Display System : NTSC/PAL
Operation Temperature : 0 ~ 55°C	Headphone Audio Output : 0.03W@ 32 ohm
Storage Temperature : -20 ~ 70°C	Video Output : 1.0Vpp@ 75 ohms
Back light : LED	

### FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Model: F902

Name: Roof mount monitor with DVD

FCC ID: XMFF902

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) This device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. 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:

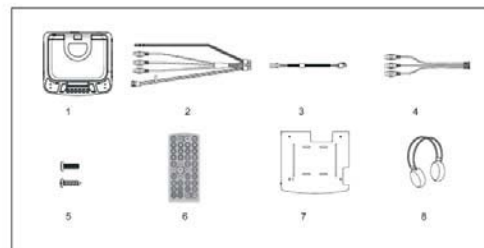
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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## MATERIALS INCLUDED IN THIS PACKAGE:

- 1) 9" LCD Overhead Monitor with DVD play (1 PCS)
- 2) 12 Pin Power / Signal harness ( 1 PCS )
- 3) 2 Pin Power / Wire Harness with choke ( 1 PCS)
- 4) 3 RCA jack pigtail ( 1 PCS)
- 5) hardware package  
# M5\*9 — 4PCS  
# TA4\*9 — 6PCS
- 6) Remote Control ( 1 PCS)
- 7) Mounting Bracket (1 PCS)
- 8) Wireless Headphone (2 Purchase) — Option

## Installation Guide



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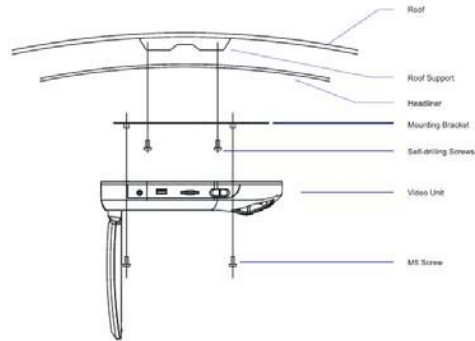


### GENERAL INSTALLATION APPROACH

- 1) Decide upon system configuration and options that will be installed.
- 2) Review all manuals to become familiar with electrical requirements and hook ups.
- 3) Decide upon mounting location of all components and method of mounting.
- 4) Prep the vehicle by removing any interior trim necessary to gain access to vehicle's wiring as well as all areas where interconnecting wire harnesses will need to be located. If any access holes need to be cut into the vehicle, this should be done now as well.
- 5) Route the wiring harnesses throughout the vehicle as necessary (Refer to the wiring Diagrams on this manual as well as the wiring instructions for the individual components and accessory options being installed). Be sure that all wiring is protected from sharp edges and is routed in such a manner that it is not pinched when all components and interior trim are fully installed. Be sure to leave enough slack in the wiring at each component to allow working room.
- 6) Remove all A/V system components from their packaging and place them loosely in the vehicle at their respective locations.
- 7) Connect all components together and verify proper operation of all system functions.  
Note: This is best done BEFORE components have been permanently mounted.
- 8) After verifying proper operation of the system, proceed to mount of each component.
- 9) When all components are mounted, recheck function of entire system again to ensure that no wiring was pinched or connected improperly during final installation.

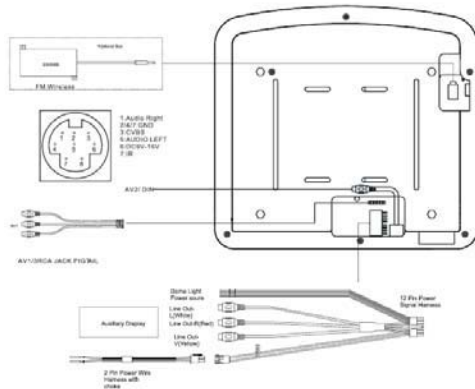
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### GENERAL INSTALLATION APPROACH



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### GENERAL INSTALLATION APPROACH



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### CONNECTING THE DOME LIGHTS

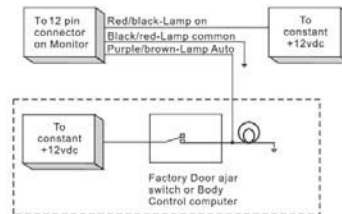
The dome lights in the video monitor require three connections to the vehicle's wiring. There are two common types of dome light circuits used, positive or negative switched. Positive systems supply voltage to the interior lights to turn them on, negative switched systems apply ground to illuminate the bulbs. To determine which system you have you must locate the wires at the dome light. On a positive switched system, with all the doors closed and lights out, both wires at the dome light will rest at ground. When the light is activated, one of these wires will switch to +12 vdc. This is vehicle's switching wire. On a negative switched system, with all the doors closed and the lights out. Both wires at the dome light will rest at +12vdc. When the light is activated. One of these wires will switch to ground. This is the switching wire.

For positive systems, connect the purple / brown (Lamp auto) wire to vehicle's switched wire. Then connect the red / black (lamp on) wire to a fused constant 12 volt source and the black/red (lamp common) wire to a good ground. Positive systems are commonly found on Ford vehicles.

For negative systems, connect the purple / brown (Lamp auto) wire to the vehicle's switched wire. Then connect the red / black (lamp on) wire to a good ground and the black / red (lamp common) wire to fused constant 12 volt source. Negative systems are commonly found on General Motors and import vehicles.

NOTE: Some vehicles which incorporate transistorized control of the dome light circuit, such as the 1999 Dodge Caravan, may require that the purple / brown (Lamp auto) wire be connected to the door pin switch wire, as the additional current draw of the Monitor's lights may not be supported by the output of the vehicles body control computer.

### Positive Switched Dome Lighting



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**Negative Switched Dome Lighting**

