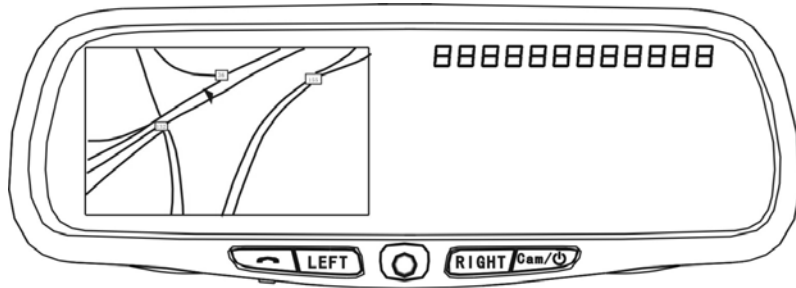




**Rearview Mirror with 4.3" TFT Color LCD  
with Navigation and 4 Camera inputs  
Model: MV-1628BT  
Installation/User Manual**



**Features:**

- **Rearview Mirror with 4.3" TFT LCD**
- **Rearview Camera Input**
- **Front Camera Input**
- **Left / Right Side Camera Input**
- **Built in GPS**
- **NTSC /PAL Compatible Camera Input**
- **Bluetooth Hand Free and Caller ID Display**

**Cautions!**

The product is intended to assist in safe driving and to allow the driver to have a broader rearview while the vehicle is in reverse. You, as the driver, are solely responsible for the safe operation of your vehicle and the safety of your passengers according to the country and their local traffic regulations. Do not use any features of this system to the extent it distracts you from safe driving. Your first priority while driving should always be the safe operation of your vehicle. MediaView Technologies Corporation cannot accept any responsibility whatsoever for accidents resulting from failure to observe these precautions or safety instructions.

1. This product utilizes high voltage. Any unauthorized modifications or damage to the products may result in electrical shock. Handle all components with care. Inspect regularly for damage to components and cabling.
2. You shall be responsible to ensure that the installation of this product does not void or affect the vehicle manufacturer's warranty. MediaView Technologies Corporation or its branches are not liable in full or in part for improper installation resulting in loss or damage to your property, or for voiding all or part of the vehicle manufacturer's warranty.
3. Do not apply excessive force to any of the components contained within this kit. Excessive force used before, during or after installation that results in a damaged or non-functional part shall void all warranties.
4. Please follow the procedure from this installation manual. Improper installation or modification of this product shall void all warranties.

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## Preface

This replacement mirror /monitor can display up to 5 different video inputs. The inputs are Navigation, Rear view camera, front camera and left and right side cameras.

Not all rearview mirrors attach to the vehicle with the same style mount. Please consult the application guide for the appropriate mounting bracket for your vehicle.



## Warning







### Backing up / Turning vehicle

Do not back up vehicle while watching the mirror/monitor screen. Always look in the direction of vehicle motion. Use the mirror/monitor as an aid in safety confirmation. The actual distance is shorter than it looks in the monitor. The range of the image is limited. Beware of blind spots.

## Packing List

The Rearview mirror Model MV-1628BT consists of the following items:

No.	Description	Part No.	Figure	Quantity.
1	Rearview Mirror	CP-Y-104		1
2	Control Box (Include Filter Box)	BCT-QT-037		1

3	9-pin extension cable(2.7m)	XC118		1
4	Rearview camera extension cable(7.6m)	XC153		1
5	GPS antenna(Optional)	YS294		1
6	GPS Remote controller	YS307		1
7	Rearview Camera	CP-C-079		1
8	Windshield Mounting Button	JS047		1

## 1. Installation Instructions

### (1) Mount the Mirror/Monitor

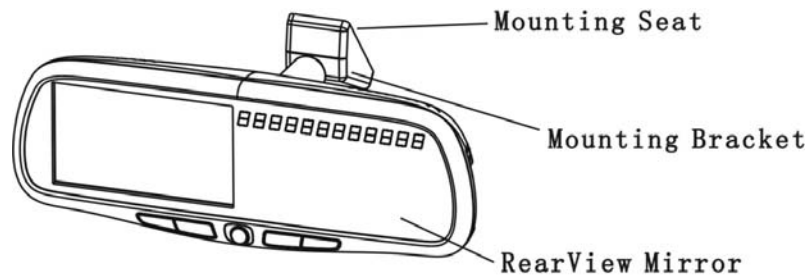


Figure 1

- Remove the original factory mirror. (Do not use excessive force when removing factory mirror.) Check to make sure that the factory mirror mount you remove matches the mirror mount on the replacement mirror. If it does not match, consult the application

guide.

- Slide the receiving bracket on the back of the new mirror stalk onto the windshield-mounting button. Move the bracket back and forth until completely seated.
- Tighten the T-20 mounting bracket screw.

### (2) Install the Reception Antenna

We have built in GPS antenna in the Monitor, if you feel the GPS receive signal is not good enough, Please connect the external GPS antenna at the back of the mirror as below:

- Slide the reception antenna with the adhesive tape in the middle of the bottom glass inside of the vehicle.
- Insert the plug of the antenna cable in the antenna port of the rearview mirror, then use the supplied GPS antenna clamp nipped on the monitor's pillar, let the GPS antenna adsorbed on it.

### (3) Control box connection:

Connect the 9-pin extension cable to the rearview mirror/monitor 9-pin cable. Route the cable under the headliner of the windshield then down the A pillar behind the plastic shroud to the under dash area. Connect the 9-pin cable to the control box 9 pin connector.

- Electrical Connections:** Connect the 3 wires from the filter box as follows:

- Red wire - +12 volts constant (Positive)
- Black wire - Chassis ground/Shield (negative)
- Blue wire – Ignition (+12 volt with ignition on)

**WARNING:** Observe polarity when connecting the wires.

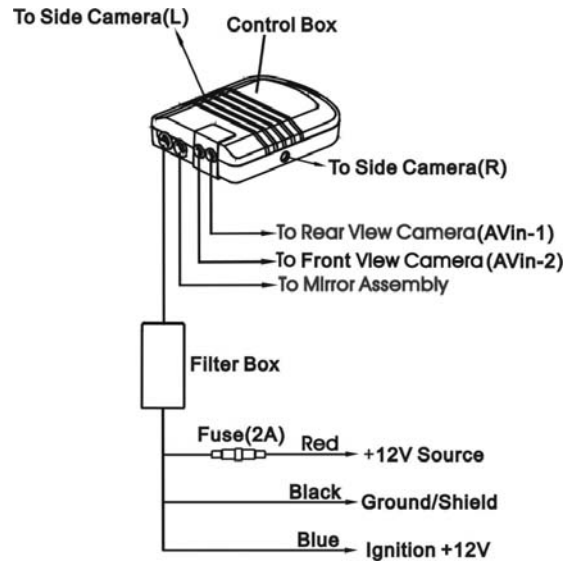


Figure 2

## 2. Signal Inputs

The monitor display image is normal display for all video and audio inputs. The signal input connections for the system include:

### 1) Rear Camera:

- Connect the camera extension cable RCA connector (Yellow and White) to AVin-1 RCA (Yellow and White) connector of the control box.
- Connect the power (Red) and ground (Black) wires of the camera extension cable to the vehicle's reverse source.
- Connect the camera extension cable RCA connector to the camera. The rearview camera image will display automatically when the car is shifted into reverse.

### 2) Front Camera(optional):

- Connect the camera extension cable RCA connector (Yellow and White) to AVin-2 RCA (Yellow and White) connector of the control box.
- Connect the power (Red) and ground (Black) wires of the camera

extension cable to the same color wires (red and black) on AVin-2.

- Connect the camera extension cable RCA connector to the front camera. When pressing the "CAM/⏪" button the user will see the front camera image, pressing the "CAM/⏩" button again will return the display to the original status.

### (3) Left Side Camera (optional):

- Connect the camera extension cable RCA connector (Yellow) to left side camera RCA (Yellow) connector of the control box.
- Connect the power (Red) and ground (Black) wires of the camera extension cable to the same color wires (red and black) on left side camera of the control box.
- Connect the left turn signal to the white wire.
- Connect the camera extension cable 4-pin connector to the camera.

When left turn signal is ON, the monitor will display the left side camera image automatically.

### (4) Right Side Camera (optional):

- Follow the same steps above from a), b), and d) on side camera R connection. On step c), connect the right turn signal to the white wire. When right turn signal is ON, the monitor will display the right side camera image automatically.

### 3. Controls and Indicators

Figure 4 shows the function controls of the rearview mirror.

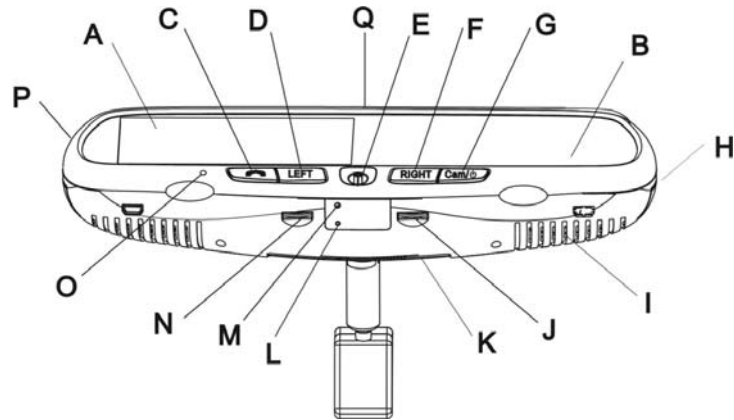


Figure4

- A:** 4.3" TFT LCD Panel
- B:** Rearview Mirror Glass
- C:** “☎”Button (Press this key to: answer a call; end a call; continue press the button two times can return call last number);
- D:** “LEFT” Button (Navigation Menu button);
- E:** GPS five directions key;
- F:** “RIGHT” Button (Navigation Back button, work as Backspace function).
- G:** “CAM/⏻” Button (front view camera and GPS key)
  - If you have installed an optional front view camera, press the CAM/⏻ button to display the image from the front camera on the monitor. Pressing the CAM/⏻ button again will turn off the image from the front camera, the mirror/monitor will be returned to the display’s original state.
  - If you do not have a front view camera installed, the “CAM/⏻” has not any function.

- Long time press “CAM/⏻” button 3 seconds will turn on/off GPS.

- H:** Reset key;
- I:** Internal Speaker
- J:** LCD Brightness Control
- K:** Outer Connect GPS Antenna Receptacle;
- L:** Microphone;
- M:** Power LED (Red when Power is on)
- N:** Rear view and front camera volume level switch.
  - Sliding to the left will increase the volume level; sliding to the right will decrease the volume level.
- O:** Bluetooth indicator led.
- P:** Bluetooth turn on/off key;
- Q:** SD Card slot;

### 4. Operation

- 1) When the vehicle reversing, the LCD will display backup camera image automatically.
- 2) When the vehicle forwarding, the LCD will auto OFF and the mirror becomes regular rearview mirror.

#### 3) How to use Bluetooth


##### A: Turning ON/OFF the Bluetooth

If the “M” key has pressed, when ignited the vehicle the Bluetooth will automatically open, if has not pressed the “M” key, when ignition the vehicle can not open the Bluetooth.


If not ignition the vehicle, the Bluetooth can work too.

##### B: Pairing the device


You must pair the device with you mobile phone at the first time.

When pairing the device we need long time press “

#### **C: Turn call last number**

Continue press the “

#### **D: Answering and Ending a Call**

Press the “

#### **4) How to enter the navigation mode:**

Every time the Ignition is turned on, the system will be in navigation mode automatically. Follow the instruction to enter the Odyssey navigation system.

#### **5) Volume Control**

Rearview Camera microphone volume control: Adjust the switch L on the right bottom of the mirror for microphone volume control;

GPS volume control: use the remote controller volume +/- button to adjust the GPS voice prompt volume.

#### **6) LCD Monitor Brightness Control**

The brightness adjustment control is on the bottom of the rearview mirror.

Rotating the wheel to the right will decrease the brightness.

Rotating the wheel to the left will increase the brightness.

#### **7) How to use Remote Controller**

The Remote Controller is valid only under GPS operation.

Please refer the navigation manual for details.

## **Specifications**

### **General**

Power Supply	12VDC
Power Consumption	<12W
Current Draw	<800mA
Video Input	1Vp-p/ 75 Impedance
Audio Input	<=1V
Audio Power Output	0.5W × 1 (16Ω)
Operating Temperature Range	-5 degrees C to 50 degrees C

### **Display System**

Screen	4.3” TFT Color LCD
Brightness	400 cd/m <sup>2</sup>
Contrast Ratio	150: 1
Backlight Life	10000 hours
Resolution	480×234
Video Format	PAL/NTSC auto detect
Display Format	16: 9

## **Maintenance**

Though your Rearview mirror requires little care, you can still maintain its condition and performance by following the procedures below.

- Keep your system away from excessive moisture, extreme heat or cold, and magnetic fields.
- Keep liquids away from the display and mirror.
- To avoid damage, do not place external devices or other objects on the top of the mirror.
- Occasionally clean the surface of the mirror with a soft cloth moistened with water or window cleaner.

# Troubleshooting

Symptoms	Solutions
The ON/OFF signal light <E> is not on after the car is started?	<ol style="list-style-type: none"> <li>1. Check the installation-wiring diagram.</li> <li>2. Ensure that the parallel red and black line from the control box is connected properly.</li> <li>3. Check 12volts on the blue wire while the ignition on.</li> </ol>
No video signal appears while reversing the car?	<ol style="list-style-type: none"> <li>1. Check the rearview Camera lens.</li> <li>2. Check the rearview Camera wiring and connection.</li> <li>3. Check the cable from the rearview mirror is connected to the control box.</li> <li>4. Check out the wire connection (to find out whether the system's reverse wire cable is connected to the reverse switch gear of the car)</li> </ol>
Video image is not sharp enough?	Clean the lens of the camera.
Cannot get the GPS signal?	Connect the external GPS antenna and locate the antenna to the opening position to get better signal

# Illustration of Connections

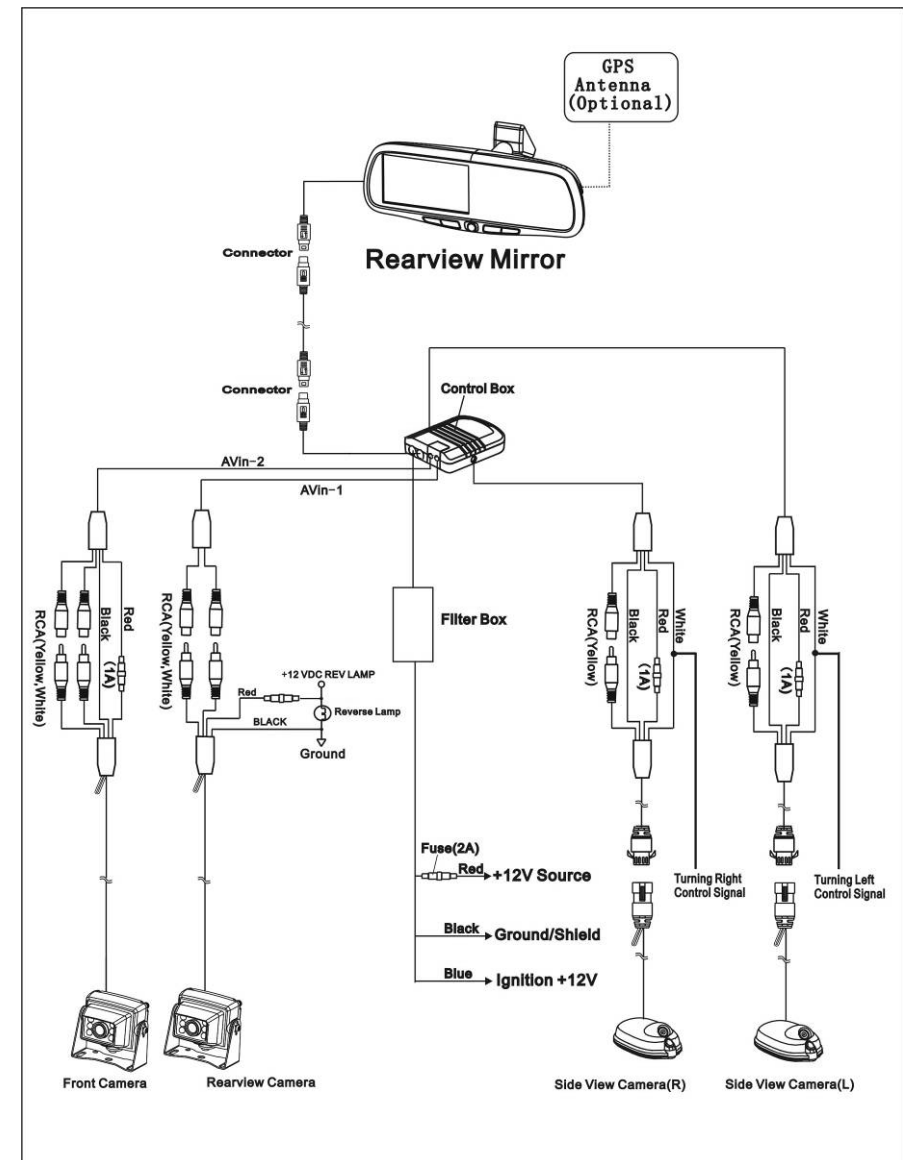


Figure 5



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