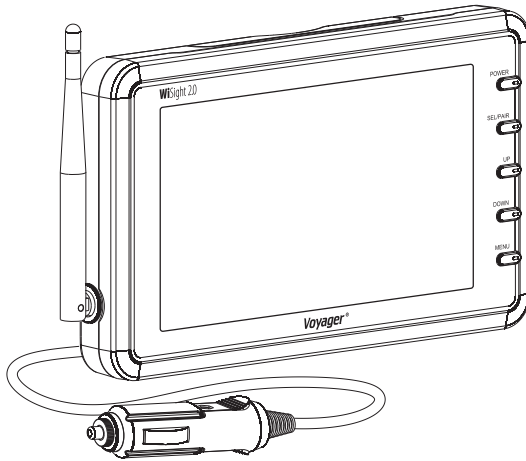


# Voyager<sup>®</sup>

## Digital Wireless Observation Monitor

FEATURING

**WiSight<sup>®</sup> 2.0**  
TECHNOLOGY



### **WWSXM70**

## **Digital Wireless Observation Monitor**

### **KEY FEATURES:**

- Easy installation - fits most applications
- 7.0" monitor comes with suction cup mount and 12 Volt DC plug for easy portability
- **WiSight<sup>®</sup> 2.0** technology- no cables or wiring necessary
- No interference
- Signal transmits through and around objects up to 60+ feet away
- Sharp, clear, uninterrupted picture
- Can support up to four wireless cameras (WWSXC150 or WWSXC160) simultaneously (must be WiSight 2.0)
- Mirror or Normal View selectable

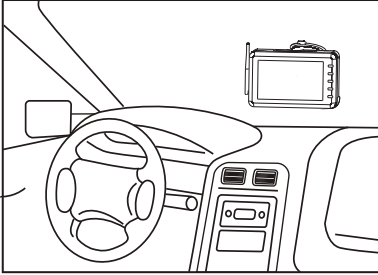
Package includes a 7.0" LCD color monitor, one 12 Volt DC accessory plug and a suction cup monitor mount.

English

**Patent # (9,054,743)**

## INSTALLING THE MONITOR

1. Plug power cable into the back of the monitor.
2. Attach the suction cup mount to the rear of the monitor with the supplied bracket.
3. Locate a flatter section of glass on your windshield (that does not block your vision) and apply suction cup (as shown in diagram). Snap the lever on the suction cup mount into the locked position.
4. Connect the power cord to a 12 Volt DC outlet.
5. Align the antenna to its upright position, parallel to the monitor.



## OPERATION

1. Turn on the vehicle's Accessory Power and press the power button on the monitor.
2. In the top left corner of the monitor, you will see the signal strength meter.
3. Adjust the suction cup bracket to provide the best viewing angle.

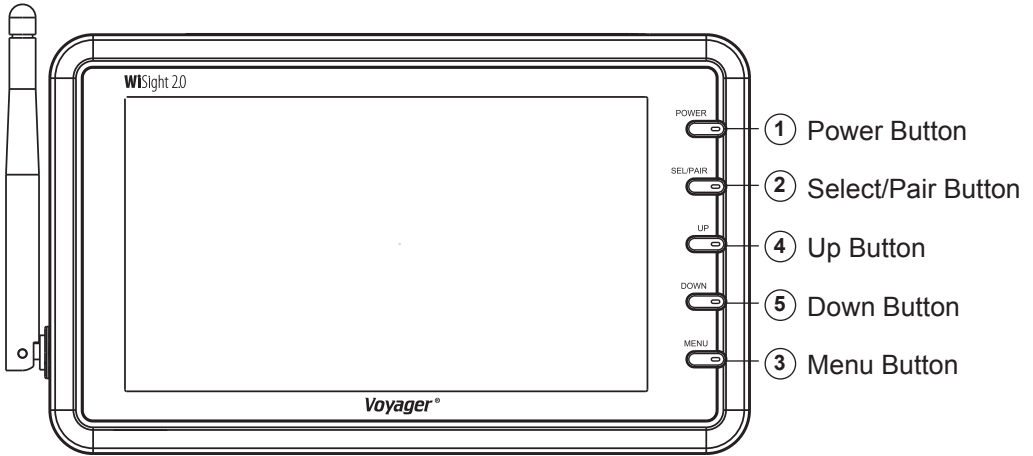
## PAIRING PROCESS

This system contains an Auto-Pairing function. If your monitor is not receiving a signal from the camera; the two may not be paired correctly.

1. Make sure the monitor is connected to 12 Volt DC power supply, but 12 Volt DC power is removed from the camera (clearance lights turned off).
2. Press the SEL/PAIR button on the front of the monitor expected mode & select the appropriate AV source.
3. Press and hold the "SEL/PAIR" button on the front of the monitor for 5 seconds and release. (Monitor will display "PAIRING")
4. Apply 12 Volt DC power to the camera (turn on the clearance lights). If pairing multiple cameras to the system, make sure that only the only the corresponding camera (Camera 1 –Camera 4 corresponding to Monitor's CH1- CH4) has power when pairing.

If done correctly, the monitor will display "PAIRING SUCCESSFUL". If pairing is not successful, the monitor will display "PAIRING FAIL". If you receive this message, repeat steps 3-4.

# KEY FUNCTION



## 1. POWER BUTTON

- Press once to turn on the monitor.
- Press again to turn off the monitor.

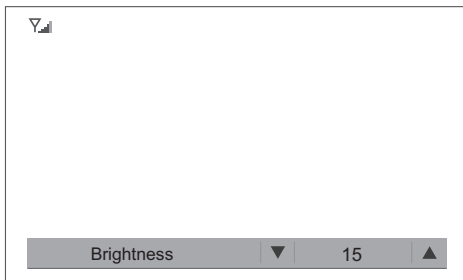
## 2. SELECT/PAIR BUTTON

- Press the SELECT/PAIR button for less than 1 second to change the AV Source.
- Press the SELECT/PAIR button for over 5 seconds to start the pairing mode.

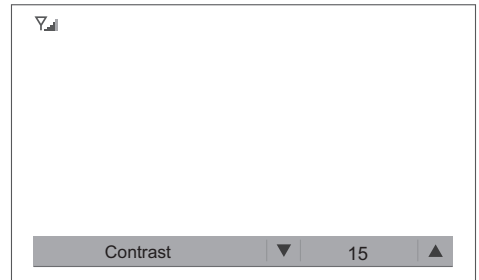
## 3. MENU BUTTON

- Press for less than 1 second enters the Contrast, Brightness, Color, Tint, Mirror, AutoPower, Dimming, Screen Saver, Scale Marker, 2 Split channel Select and Trigger Delay adjustment mode.
- Press the up or down button to adjust the level of menu.


### Brightness



### Contrast




### Color

▽ 


Color ▼ 15 ▲

### Tint

▽ 


Tint ▼ 15 ▲

### Flip

▽ 


Flip ▼ OFF ▲

### Mirror

▽ 


Mirror ▼ OFF ▲

### AutoPower

▽ 



AutoPower ▼ OFF ▲

### Dimming

▽ 


Dimming ▼ Day ▲

### Screen Saver

▽       ▽ 

Screen Saver ▼ OFF ▲

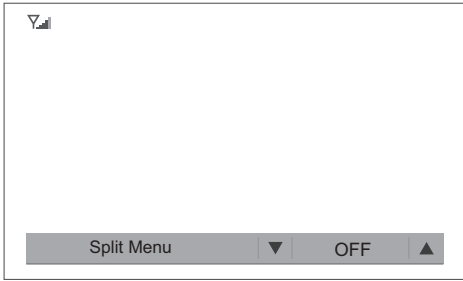
### Scale Marker

▽ 

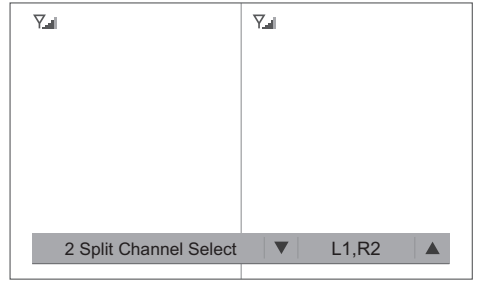
5 ————— 5  
3 ————— 3  
1 ————— 1

Scale Marker ▼ 1 ▲

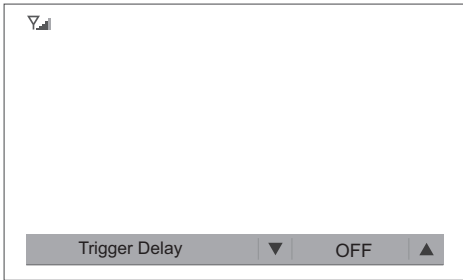
### Split Menu



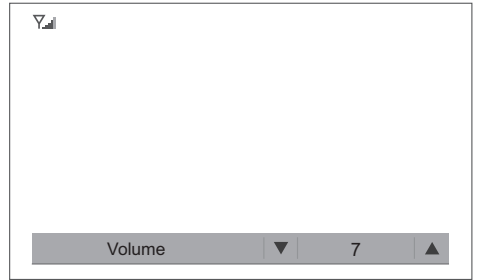
### 2 Split Channel Select



### Trigger Delay



### Volume



## 4. UP AND 5. DOWN BUTTON

### **Function for Brightness, Contrast, Color, and Tint Control**

- Press the “UP” button to increases brightness, contrast, color, or tint level when accessing menus adjust mode instead of when accessed menu adjust mode.
- Press the “DOWN” button to decreases brightness, contrast, color, or tint level when accessing menus adjust mode instead of when accessed menu adjust mode.

### **Function for Mirror , Flip Control**

- Press the “UP” button to change the mirror, flip setting to ON or OFF when accessing menus adjust mode instead of when accessed menu adjust mode.
- Press the “DOWN” button to change the mirror, flip setting to OFF or ON when accessing menus adjust mode instead of when accessed menu adjust mode.

### **Function for AutoPower**

- Press the “UP” button to change the Auto Power setting to ON or OFF when accessing menus adjust mode instead of when accessed menu adjust mode.
- Press the “DOWN” button to change the Auto Power setting to OFF or ON when accessing menus adjust mode instead of when accessed menu adjust mode.

Note:

Auto power on - The system automatically returns to a power on state when switch on.

Auto power off - The system automatically returns to a power off state when switch on.

### **Function for Dimming**

- Press the “UP” button to change the Dimming setting to DAY or Night1, Night2 and Night3 when accessed menu adjust mode.
- Press the “DOWN” button to change the Dimming setting to DAY or NIGHT when accessing menus adjust mode instead of when accessed menu adjust mode.

Note:

The luminance is 100% when DAY mode.

The luminance is 80% when NIGHT1 mode.

The luminance is 60% when NIGHT2 mode.

The luminance is 40% when NIGHT3 mode.

### **Function for Screen Saver**

- Press the “UP” button to change the Screen Saver setting to ON or OFF when accessing menus adjust mode instead of when accessed menu adjust mode.
- Press the “DOWN” button to change the Screen Saver setting to OFF or ON when accessing menus adjust mode instead of when accessed menu adjust mode.

Note:

The luminance is 10% when Screen Saver ON.

The screen saver will activate when no key is pressed within 1 minute.

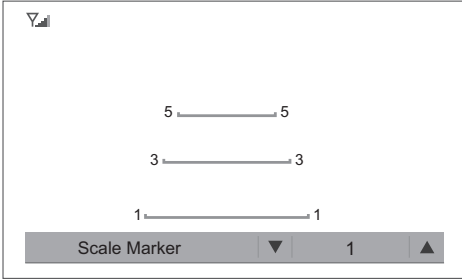
The luminance will return to selected dimming setting when any key is pressed.

## Function for Scale Marker

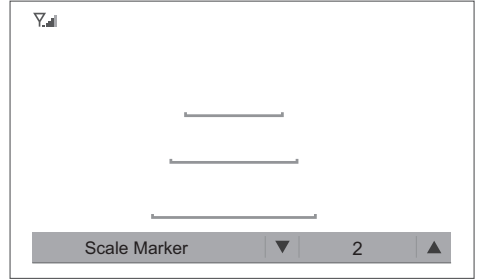
- Press the "UP" or "DOWN" to change the Scale Marker mode.

1. OFF mode

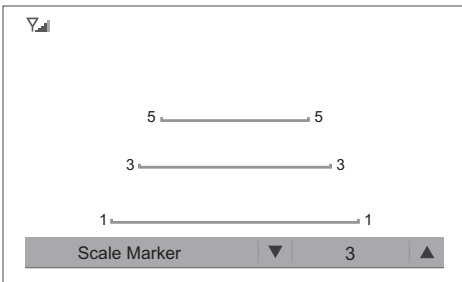
2. Mode 1



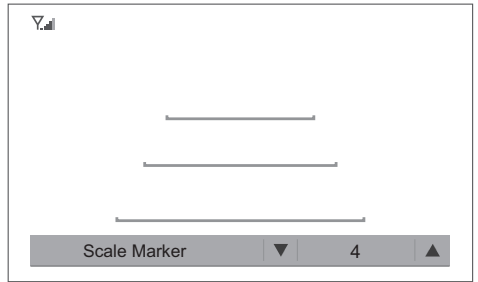
3. Mode 2



4. Mode 3



5. Mode 4

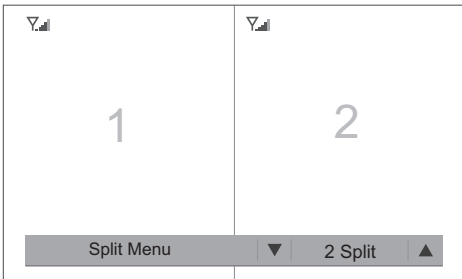


## Function for Split Menu

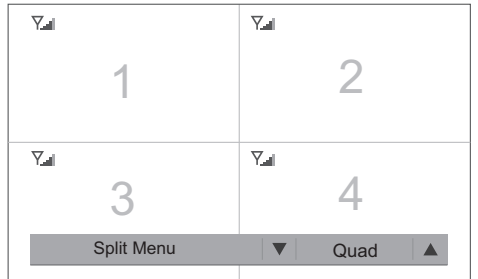
- Press the "UP" or "DOWN" to change the Split mode.

1. OFF mode

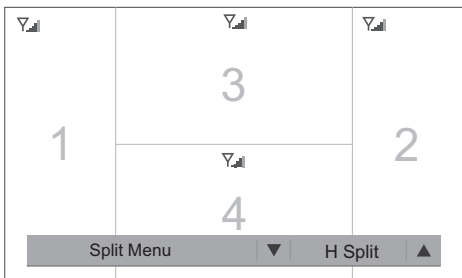
2. 2 Split



3. Quad

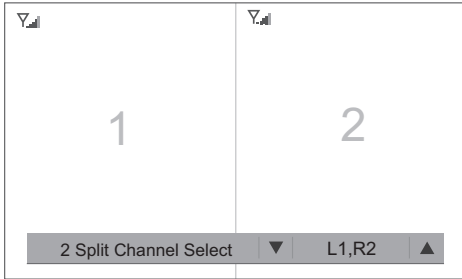


4. H Split



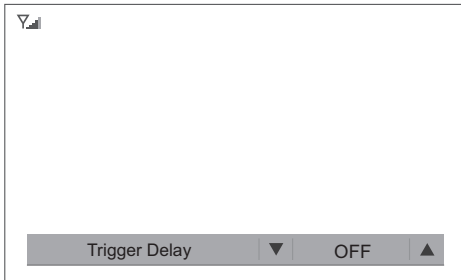
### **Function for 2 Split Channel Select**

- Press the “UP” or “DOWN” button to change the 2 Split Chanel Select Mode to L1/R2, L1/R3,L1/R4,L2/R1,L2/R3,L2/R4,L3/R1,L3/R2,L3/R4,L4/R1,L4/R2,L4/R3 when accessed menu adjust mode.



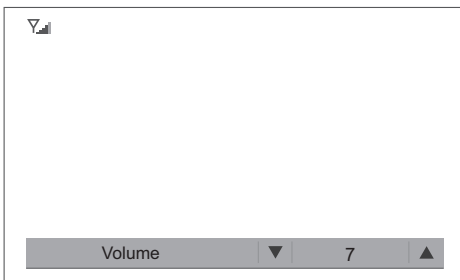
### **Function for Trigger Delay**

- Press “UP” or “DOWN” button to change the Trigger Delay time when accessing menus adjust mode instead of when accessed menu adjust mode.



### **Function for Speaker Volume Control**

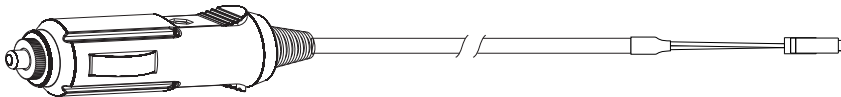
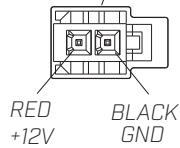
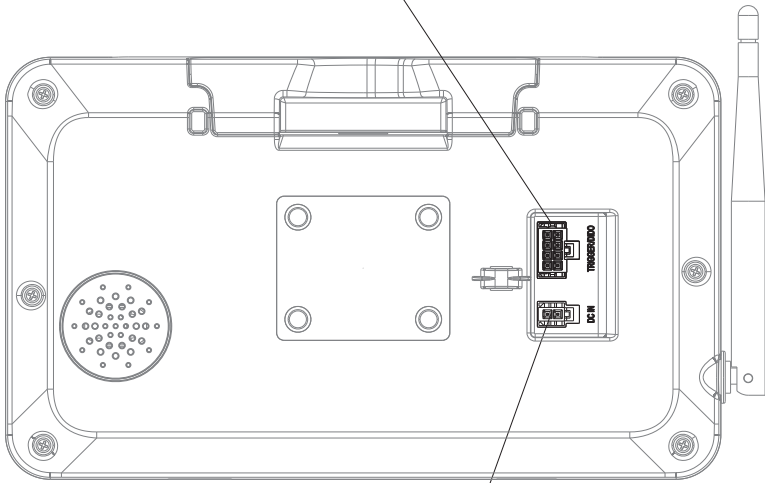
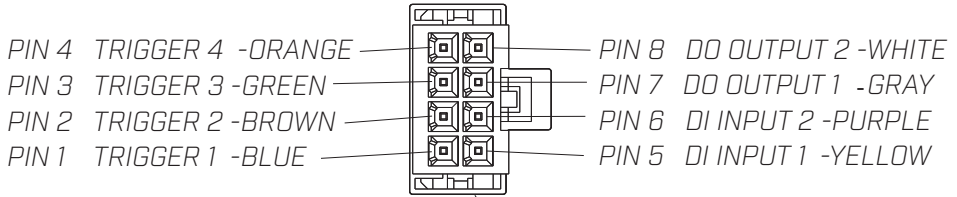
- Press the “UP” button to increases volume level.
- Press the “DOWN” button to decreases volume level.





# WIRING DEFINITIONS

*\*DI inputs and DO outputs only functional with WVSXM70CV Model.*



DC PLUG CABLE

**FCC IMPORTANT NOTE:**

**15.105(b)**

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 that is from the from a circuit the receiver is connected too.
- Consult the dealer or an experienced radio/TV technician for help.

**15.21**

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

To comply with the FCC RF exposure compliance requirements, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. No change to the antenna or the device is permitted.

Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

**CAMERA-MONITOR WARNINGS!**

1. Camera/Monitor system aids in the use of, but does not replace vehicle side/rear-view mirrors.
2. Objects in Camera/Monitor view are closer than they appear.  
When backing up, proceed cautiously and be prepared to stop.

**NOTICE 1 :**

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

**NOTICE 2:**

Our WiSight 2.0 wireless technology operates at nearly the same performance level as a wired system. However, slight delays and signal reductions are possible due to application or environmental factors.

It is recommended to maintain at least three feet in between any RF transmitting/receiving devices including the WiSight 2.0 components. This can include, but not limited to, in-vehicle Wi-Fi systems, personal Wi-Fi hotspots, Bluetooth devices or additional wireless monitors & cameras.

If you have a Voyager WiSight 2.0 Digital Wireless Observation System along with any other device that transmits or receives and you are experiencing any difficulty with the systems operation, the device(s) may be too close to either the WiSight 2.0 Monitor or Camera.

Change the placement to at least three feet between devices and re-test for proper operation.

## TROUBLE SHOOTING

Monitor will not turn on.	<ul style="list-style-type: none"><li>- Check power cord connection at monitor and 12VDC socket.</li><li>- Check fuse in cigarette socket adapter.</li></ul>
Monitor displays "No Signal".	<ul style="list-style-type: none"><li>- Check 12VDC power at camera.</li><li>- Make sure antenna is tight and pointed correctly.</li><li>- Make sure monitor is set to CH1.</li><li>- Try manually pairing the system. see pairing Process for instructions.</li></ul>
Intermittent reception.	<ul style="list-style-type: none"><li>- Make sure antenna is tight and installed vertically.</li></ul>



Features and specifications subject to change with out notice  
For further technical support call: 1-877-305-0445