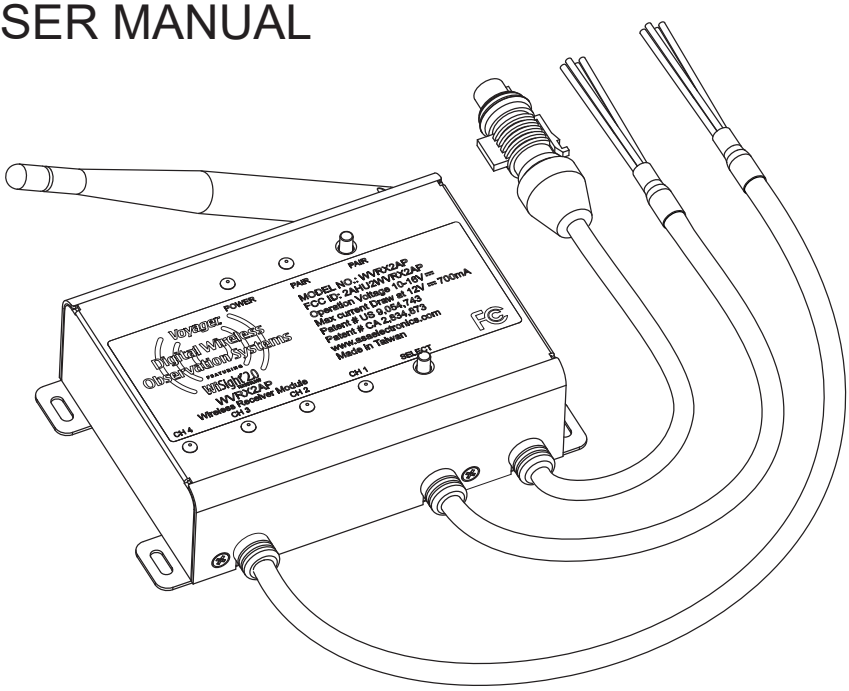
Voyager®

Digital Wireless Observation Systems

FEATURING

WiSight® 2.0 TECHNOLOGY

WVRX2AP
DIGITAL WIRELESS RECEIVER
USER MANUAL

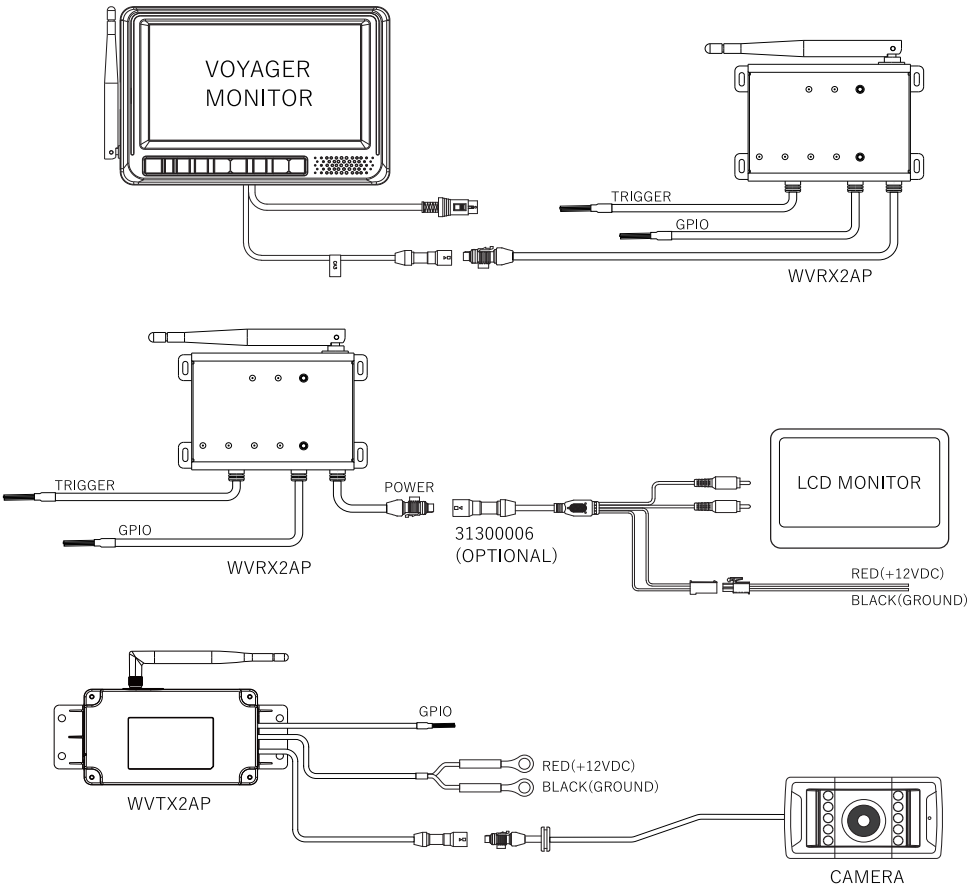


Patent # US 9,054,743
Patent # CA 2,834,873

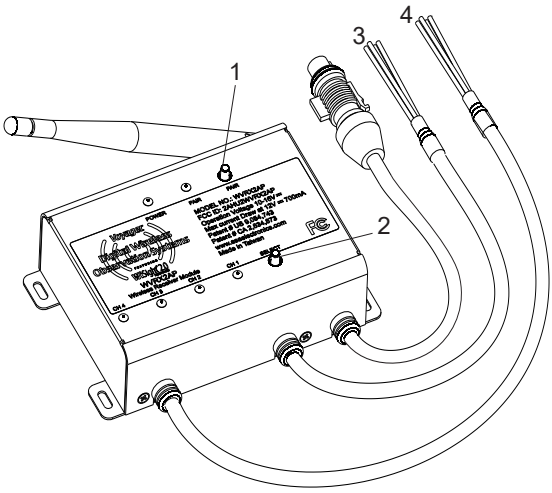
INSTALLATION

1. Mount the receiver using 4 screws or the Hook & Hook Velcro.Receiver can be mounted to the rear of a Voyager monitor.
2. Connect the receiver to the monitor as shown in the figure below.
3. Apply power to the monitor & receiver and select the correct video input on the monitor. "Press & Hold the Pairing Button" will be displayed.
4. Press the Pair Button on the receiver for 5 seconds and you should see "Pairing" and then apply power to the WVTX2AP.
   If successful you will see "PAIRING SUCCESSFUL" and then the camera image.
   If you do not see the camera image, repeat above steps.

Note: This system doesn't support Mirror/Normal image switching.
The monitor or camera used will need to determine which view is needed for the application.



CONTROLS AND OPERATION



1. PAIR Button
   Press and hold pair button for 5 seconds on receiver module to activate pairing process, The monitor screen will display pairing count screen with blinking status LED.

Make sure transmitter module is unpowered at first. Within 50 seconds of activating the pairing process on the receiver module, apply power to the transmitter module, and upon successful pairing, the receiver module and monitor screen will display “PAIRING SUCCESSFUL” message for 1~2 seconds with the status LED steady ON and display Camera image.

2. Select Button
   The receiver module support pairing with 4 different transmitter module
   Press select button to switch the receiver module selection between CH1>CH2>CH3>CH4

GPIO FUNCTION

The GPIO cables are general purpose input/output +12V signals than can transmit signals wirelessly to/from the transmitter side.

WIRING DEFINATION

1. GPIO Cable
   - Yellow – GPIO Input 1
   - Purple – GPIO Input 2
   - Gray – GPIO Output 1
   - White – GPIO Output 2

2. Trigger Cable
   - Blue – Trigger 1 Input
   - Brown – Trigger 2 Input
   - Green – Trigger 3 Input
   - Orange – Trigger 4 Input

FCC NOTES

IMPORTANT NOTE:

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. Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

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.

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 Systems along with any other device that transmits or receives and you are experiencing difficulty in operating the system, 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.

Packaging Contents

1. WVRXA2P
2. Screw M4x8 mm(Black) x4pcs
3. Velcro x4pcs

Specifications

1. Power Input: +12V DC
2. Power Consumption: 700 mA (Typ.) @ 12VDC
3. Power and PAIR LED indicator
4. ASA CEC Connector
5. 3dBi Antenna
6. Wireless Operation Frequency: 2.4GHz

Reliability Requirements:

1. Operational temperature: -20*C to 65* C
2. Storage temperature: -30*C to 80*C
3. Operating voltage: 10 to 16VDC

Trouble Shooting

Monitor displays "'No Signal"

- Check 12VDC at WVTX2AP
- Check cable connections at monitor, transmitter & receiver
- Make sure antenna is tight & vertically aligned
- Try pairing the system again

Additional languages available at www.asaelectronics.com

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Features and specifications subject to change without notice For further technical support call:

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