



ZEROXCLUB 10.1" Wireless  
Backup Camera System  
Model: **BY504**

Any questions or suggestions please send an  
email to customer service via  
[sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com)

# TABLE OF CONTENTS

1. SAFETY INFORMATION .....	1
2. TEST THE SYSTEM FIRST .....	1
3. WARRANTY .....	1
4. BEFORE USING .....	2
5. WHAT IS IN THE BOX .....	2
6. SPECIFICATIONS .....	3
7. INSTALLATION .....	4
7.1 Installation of the Camera .....	4
7.2 Installation of the Monitor .....	6
7.2.1 Monitor Bracket Installation .....	6
7.2.2 Power up the Monitor .....	7
7.2.3 DC Power Adapter Connector .....	7
7.2.4 T-taps Wire Connector .....	7
8. OPERATING INSTRUCTION .....	8
8.1 Monitor Buttons and Icons .....	8
8.2 Change Menu Settings .....	9
8.2.1 Menu Icons .....	9
8.2.2 PAIRING Setting .....	9
8.2.3 PICTURE Setting .....	10
8.2.4 MIR-FLIP Setting .....	11
8.2.5 MODE Setting .....	11
8.2.6 SYSTEM Setting .....	12
8.2.7 CAM-SETUP Setting .....	12
8.2.8 RECORD Setting .....	13
8.2.9 PLAY Setting .....	13
9. TROUBLESHOOTING .....	14
10. FAQs .....	16

## **1. SAFETY INFORMATION**

- There are no user-serviceable parts inside the **ZEROXCLUB** camera system. Contact **ZEROXCLUB** customer service at [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com) if the part is ever compromised.
- Children should be supervised to ensure that they do not play with the appliance.
- NEVER test when smoking. Never use a flame.
- To reduce the risk of fire, connect the camera only to a circuit provided with a maximum branch circuit over the current protection device.
- To avoid an electric shock injury or damage to the system, we recommend that a qualified technician with appropriate training and experience be obtained to perform this critical connection.
- Ensure to watertight connectors which connecting camera power supply cable to power source.
- Ensure to connect the rear camera to the correct polarity 12V DC power supply. Red = Positive. Black = Negative

## **2. TEST THE SYSTEM FIRST**

To ensure that all components are working properly, please test the system before installation.

1. Perform a system function test by temporarily connecting the camera. Test camera, monitor, and all functions of the monitor system. If the system seems to not be operating properly see troubleshooting or contact our customer service at [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com).

## **3. WARRANTY**

**ZEROXCLUB** offers a full 18 months warranty and 3 months replacement policy. We also provide lifetime technical support to ensure that you enjoy your modern backup camera for many years to come. To obtain warranty support, or if you are not satisfied in any way, or have any issues with your purchase, please **CONTACT US** for help at the first time, we will try our best to make you satisfied. We promise that you will receive the best service from us, and we are ready to assist you. Every message will be replied within 24h. Our support email is [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com), you can write it down or add it to your address book for easy contact

## 4. BEFORE USING

Make sure your package includes the following listed items completely. If any item is damaged or missing, contact us at [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com). It would be better if you write down the order number from Amazon, include pictures of the damaged or missing part in your email, so that we can handle the problem much more quickly.

## 5. WHAT IS IN THE BOX

 <p>Monitor*1</p>	 <p>Camera*2</p>	 <p>Side Camera*2</p>
 <p>Bracket for Monitor*1</p>	 <p>Antenna*6</p>	 <p>Camera Power Cord*4</p>
 <p>Monitor Power Cord*1</p>	 <p>Car Charger*1</p>	 <p>12V DC Power Connector and T-Taps</p>

## 6. SPECIFICATIONS

Monitor	
Display	10.1" IPS monitor
Connector Type	DC female connector
Working Current	DC12V 100-350mA
Rated Current	270mA
Standby Current	145mA
Item Weight	0.69 pounds
Power Supply	DC 12V~24V 230mA
Monitor Dimensions	10.1(L) x 6.7(H) x 2.75(D) in
Camera	
Image Sensor	GC2053 1/2.9" FHD CMOS
Effective Pixels	1920 x 1080
Waterproof Rating	IP69K
View Angle	120°
Optical Distortion	≤0.5%
Working Voltage	DC 9~36V
Rated Voltage	DC 12V
Working Current	50-220mA
Rated Current	150mA
Operating Temperature	-4°F~ 158°F
Rear Camera Sizes	6.7(L) x 2.8(H) x 2.7(D) in
Side Camera Sizes	3.7(L) x 1.6(H) x 2.8(D) in

## 7. INSTALLATION

### 7.1 Installation of the Camera

If your RV or trailer has a Furrion pre-wired mount

(1) Mount the antenna.



(2) Remove the Furrion mount, attach the new camera and gasket, screwing it into the existing holes and the camera plugs right into the pre-wired jack.  
Then Turn your vehicle lights on.



### 2、 Installation for Vehicles without Furrion pre-wired mount

(1) Install an antenna on camera.



(2) Drill five holes on your vehicle for mounting the camera. (If you already have five same holes on your vehicle, you don't need to do this.)



(3) Place the rubber gasket and Install the BW7 camera on your vehicle with the 4 screws

(4) Connect the red and black power cord to the camera connector, and then connect Red wire to Positive power of reversing light/running light and connect Black wire to Negative Power/Ground.



### Installation for Side Installation

1. Installation for Vehicles without Furrion pre-wired mount

(1) On the back of the camera, you will find the antenna port and the power cable.



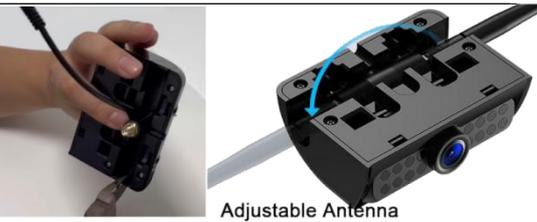
(2) The power cable extends from the back of the camera. You can either thread it through a hole into the vehicle or trim at the reserved port to extend outside the vehicle.



or



(3) Choose the desired direction for the antenna based on your installation needs. Trim the reserved port for the antenna and install it in the chosen direction.



(4) Choose the installation spot and drill holes for the camera. Place a rubber gasket on the installation surface to protect the vehicle and position the metal bracket on top of the gasket.



Drill holes

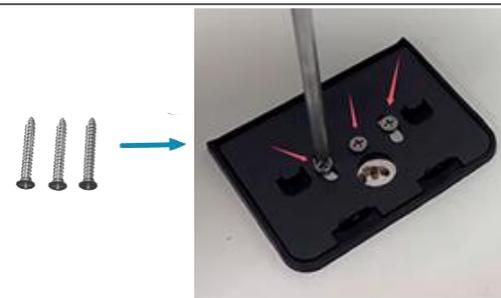


Place the rubber gasket

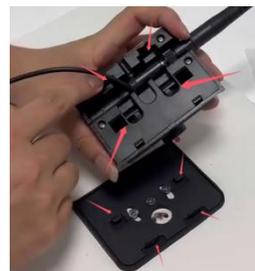


Position the iron bracket over the gasket.

(5) Secure the metal bracket using screws. Only the top three holes need to be fixed.



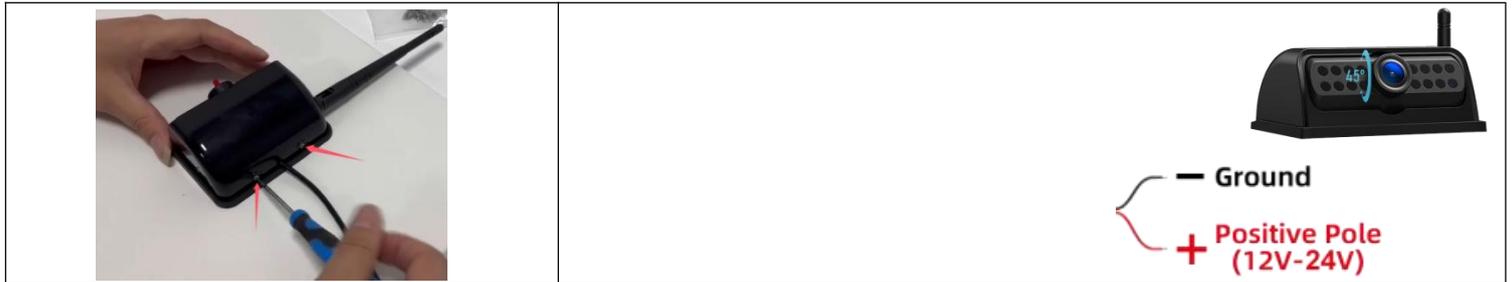
(6) Camera and iron bracket have corresponding snaps. Align the camera with the bracket and press it into place until you hear a "click" sound, indicating it is securely attached.



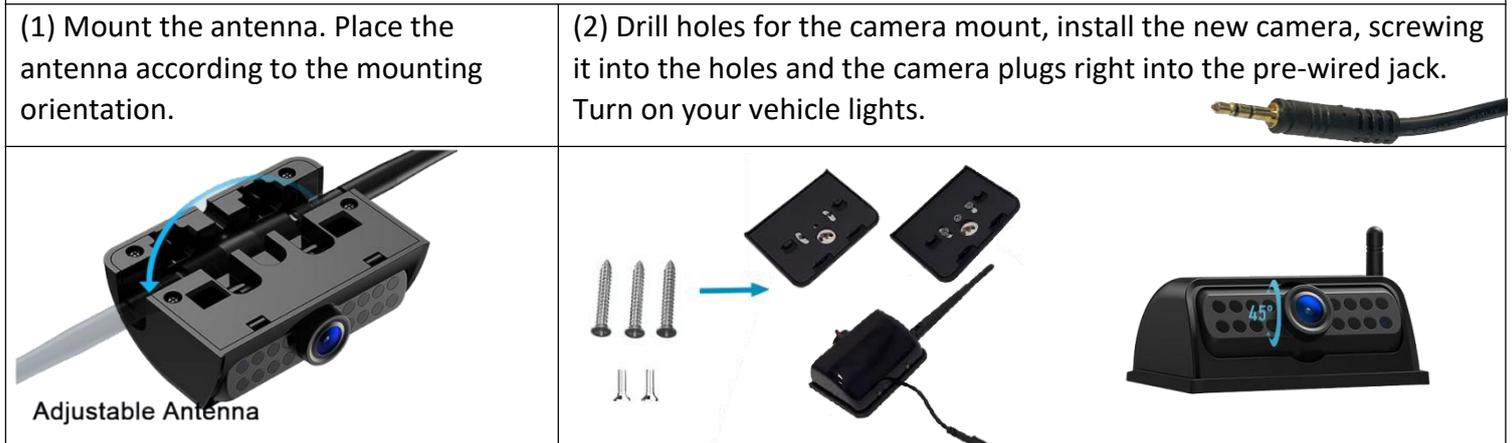
(7) Use screws to fix the two holes next to the power cable port to further secure the camera.

(8) Connect the camera power cable to the camera's connector and connect it to the appropriate power source. (Red = Positive and Black = Negative). Adjust the camera to the desired angle for optimal viewing.





2.If your RV or trailer has a Furrion pre-wired mount

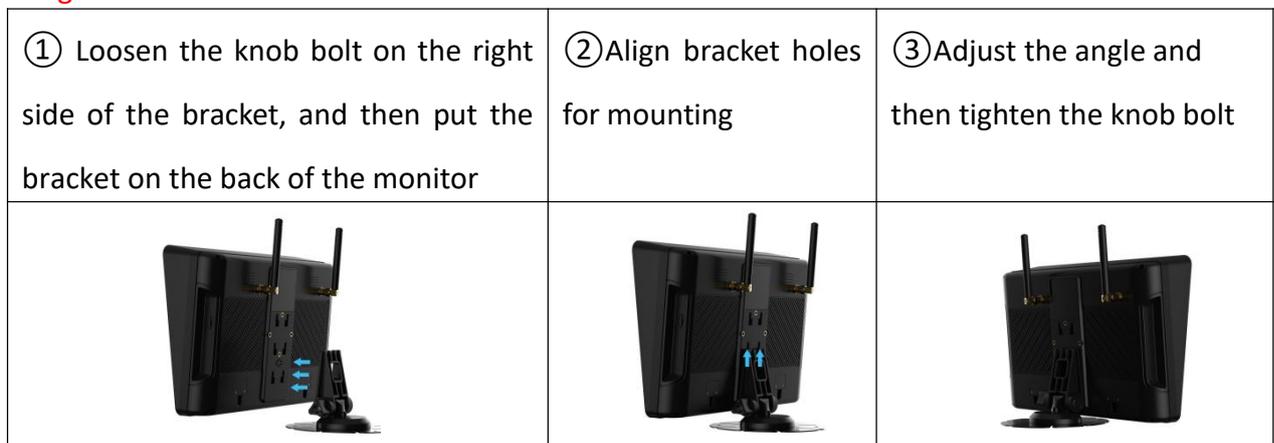


- \*Before fix the camera, you can adjust the lens of it.
- \*When looking for a way that doesn't require drilling, make sure to consider the size and weight of the camera. You can use quality mounting tape to secure the cameras. Look for the cameras that can easily be mounted with adhesive or other non-invasive methods.

## 7.2 Installation of the Monitor

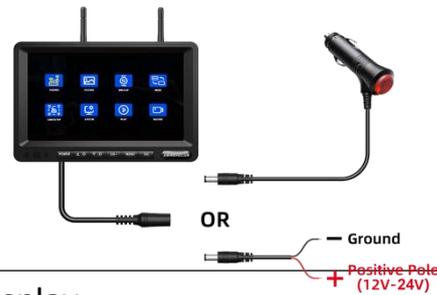
### 7.2.1 Monitor Bracket Installation

The Screw holes on the back of the monitor are used for other brackets that need to be fixed with screws, the package does not come with such a bracket (If you need it you can buy it at the local market). When installing the included bracket, please ignore the screw holes.



### 7.2.2 Power up the Monitor

There are two ways to power up the monitor: Use the DC pigtail red and black power cord or plug the cigarette lighter adapter into the socket.



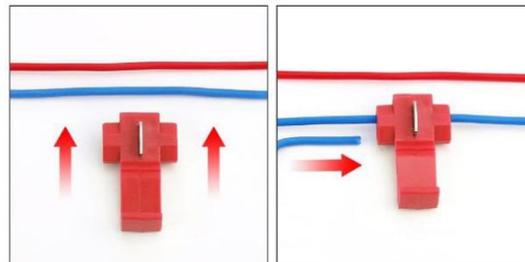
\* Do not allow water to enter the LCD Display.

### 7.2.3 DC Power Adapter Connector

1. DC Power Male Female Plug Jack Adapter Connector
2. Socket for 5.5\*2.5mm Male Connector. It can withstand the 12V-24V voltage.
3. It is cortical plastic materials. Green glue stick marked clearly positive and negative mark is avoid reverse.
4. If you don't need it, you can ignore it.

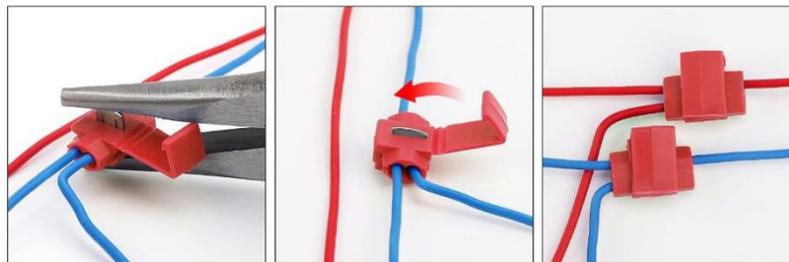


### 7.2.4 T-taps Wire Connector



1. Insert the main line into the terminal hole

2. Insert the branch line into the inner slot



3. Press the contact sheet tightly with pliers

4. Lock the protective cover

5. Wiring completed

## 8. OPERATING INSTRUCTION

### 8.1 Monitor Buttons and Icons

(1) <b>SEL Button</b>	A Confirm/Recording button. Press to turn on/off recording. Or press this button to confirm in the menu panel. Press and hold for 5 seconds on the main screen to enter pairing mode directly.
(2) <b>V1/V2 Button</b>	A Channel Switch button.
(3) <b>+ Button</b>	A Function Increase button.
(4) <b>- Button</b>	A Function Decrease button.
(5) <b>M Button</b>	A Menu/Return button. Press to access menu or return to the previous panel.
(6) <b>POEWR Button</b>	Press this button will put the screen into standby mode.
(7) 	This indicates that there is no paired camera on that channel yet.
(8) <b>CAM1</b>	<b>CAM 1/2/3/4:</b> The channel number is shown on the top left of the screen. Press the V1/V2 button to switch the camera channel.
(9) 	When the memory card is installed, this icon will appear in the upper right corner of the screen.
(10) 	It means the strength of the signal between the camera and the monitor.
(11) 	<b>Rewrite:</b> When this sign is displayed on the screen, it indicates that the rewrite function of the channel is turned on. And it will automatically overwrite the previous videos when the memory card is full. You could turn on/off it via MENU > RECORD > REWRITE > ON/OFF.
(12) 	The icon will shown in the top of the screen while recording video. If there is a problem with the recording, please try to format the memory card. Press the <b>SEL</b> button to star/stop recording.

(1) \*Menu main panel won't pop-up while monitoring in split-screen mode. Please press the **V1/V2** button to switch it to single screen before using the **M** button to enter the menu panel. Otherwise **M** button won't work.

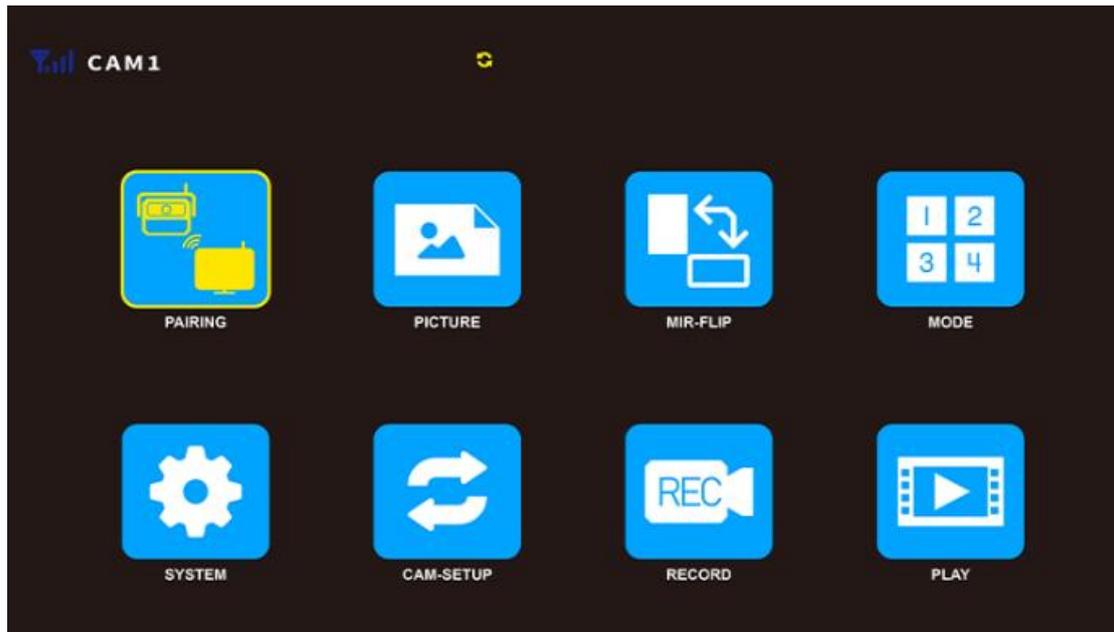
(2) The **POWER** button not working while playback of the video files.

(3) It will Re-start recording the second file when you switch channels.

## 8.2 Change Menu Settings

### 8.2.1 Menu Icons

There are eight menu options that allow you to set up the system before operation. Using the + and - buttons on the monitor, select which icon you wish to select, then press the SEL button to confirm selection.



**NOTICE** In split views, the menu cannot be accessed, please press V1/V2 to switch to full screen first.

### 8.2.2 PAIRING Setting

#### Pair with a camera

The camera has been paired in the factory for QC testing.

If the camera is disconnected from the monitor, or if you want to add additional cameras, please follow the steps below to pair the camera with the monitor.

- 1) Mount the antennas on the monitor and camera(s).
- 2) Ensure camera and monitor have 12V DC power supplied (Vehicle may need to be running and in reverse gear to supply power to camera)
- 3) Disconnect the camera first.
- 4) Press **V1/V2 button** to change to single-screen mode

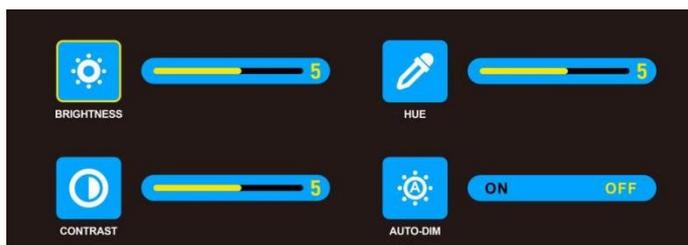
- 5) Press **M button** to enter menu interface and select **PAIRING**, press **SEL** button to confirm, you will have 30 seconds for pairing.
- 6) Power up the camera during the pairing countdown.
- 7) Repeat the steps to pair the other available cameras.

### NOTICE

- If there is no operation of the camera displayed on the display within 30 seconds of pairing. Repeat pairing process. Or ask us for help promptly at: [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com).
- The pairing must be completed within 30 seconds, otherwise, you need to repeat the pairing steps.
- If you need to pair a paired camera to another channel. For example: the camera image is displayed on CAM1, but you want it to be displayed on CAM2, please press V1/V2 button to switch to CAM2 and repeat the pairing steps.
- If you lose signal reception, re-pair the camera. (The screen will show "NO SIGNAL".)
- Please make sure that the camera's channel has been turned on via Menu--SYSTEM--Camera select.
- This is easiest done with the camera and monitor close to each other, as you have a limited time to pair the screen and camera together (within 3 feet).

### 8.2.3 PICTURE Setting

Press **M button**→Go into **PICTURE**→Press **+/- button** to change the BRIGHTNESS, CONTRAST, HUE or AUTO-DIM setting→Press **SEL** → Press **+/- button** to adjust the value→ Press **M button** to exit the setting

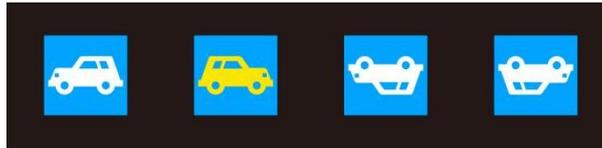


AUTO-DIM	When this option is "ON", the monitor will automatically increase the brightness when there is low light. Or you can set this option to
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"OFF". Auto Dimming Function.
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### 8.2.4 MIR-FLIP Setting

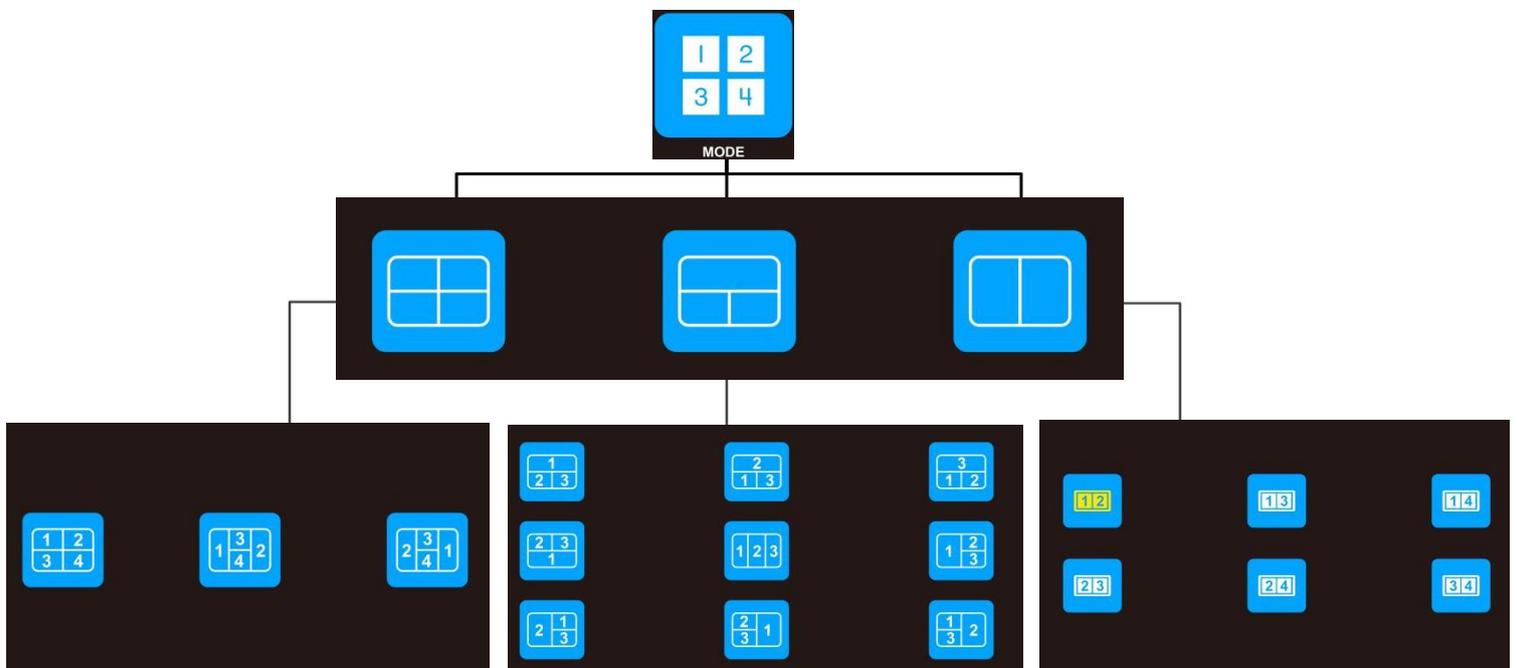
Press **M button** → Go into **MIR-FLIP** → Press **+/- button** to set the camera image as Mirror (180°), NORMAL (0°), MIR-FLIP (Vertical Mirror) or FLIP (Horizontal Mirror) → Press **SEL button** to confirm your selection or press **M button** to return to the previous page.



### 8.2.5 MODE Setting

This allows you to customize the display layout based on your monitoring needs.

Press **M button** → Go into **MODE** → Press **+/- button** to select the quad split/ three split/ dual split setting → Press **SEL button** to enter it → Press **+/- button** select the display layout you want → Press **SEL button** to confirm your selection or press **M button** to return to the main menu.



\*Ensure the desired channels are activated in the "Camera Select" menu for proper display on the monitor.

### 8.2.6 SYSTEM Setting

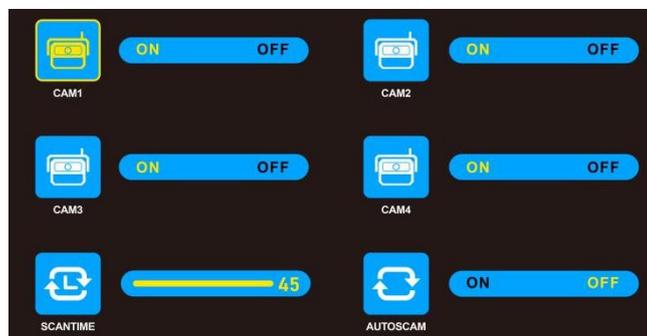
Press **M button** → Go into **SYSTEM** → Press **+/- button** to change the Reset switch, TIME, Camera select, P-LINE or LANGUAGE setting → Press **SEL** → Press **+/- button** to adjust the value → Press **M button** to exit the setting.



Reset switch	Erases any custom settings (e.g., brightness adjustments, or AUTOSCAN configurations) and returns the system to its initial state.
Camera select	Turn individual cameras on or off depending on your needs. For example, you might disable a side camera if it's not in use.
P-LINE	Turn ON/OFF parking line. <b>The parking guide line need to be controlled individually on each camera screen.</b> <b>NOTICE:</b> If the P-LINE function is not turned on for other camera channels, the parking guideline will not be displayed.

### 8.2.7 CAM-SETUP Setting

Press **M button** → Go into **CAM-SETUP** → Press **SEL button** to confirm → Press **+/- button** to change the CAM1/2/3/4, SCANTIME or AUTOSCAN setting → Press **SEL button** → Press **+/- button** to adjust the value → Press **M button** to exit the setting.



CAM1 / CAM2 CAM3 / CAM4	Enable or disable channels in AUTOSCAN mode, e.g., when CAM 3 is set to off, the CAM 3 will not be displayed in AUTOSCAN.
SCANTIME	The duration the system takes to switch between camera feeds the display in AUTOSCAN mode.

<p>AUTOSCAN (which cycles through cameras automatically)</p>	<p>A feature that automatically cycles through the feeds of multiple connected cameras and displays them on the monitor in a sequential order, without manually switching between cameras. When enabled, the system will display the feed from Camera 1 for the set SCANTIME, then automatically switch to Camera 2, and so on, until it cycles back to Camera 1.</p>
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### 8.2.8 RECORD Setting

Press **M button** → Go into **RECORD** → Press **+/- button** to change the RECORD, REWRITE or FORMAT setting → Press **SEL button** → Press **+/- button** to adjust the value → Press **M button** to exit the setting.

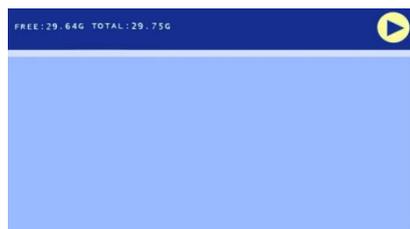


<p>RECORD</p>	<p>Turn the recording on/off. <b>NOTICE:</b> Recording can only record what is on the screen, not all cameras unless in split screen mode.</p>
<p>REWRITE</p>	<p>It refers to the process of overwriting old video footage with new recordings when storage is full to ensure continuous recording without manual intervention.</p>
<p>FORMAT</p>	<p>It will clear all data in the system. <b>If not turned off, the formatting will be always happening.</b> Copy out the useful recording material first to avoid losing important videos before formatting. Periodically formatting the storage device can help maintain system performance and prevent storage-related problems.</p>

### 8.2.9 PLAY Setting

You can playback the recorded videos on the monitor.

Press **M button** → Go into → **PLAY** → **SEL**



\* This panel cannot be accessed if an SD card is not inserted.

\*The screen cannot be played back while the system is recording, if you want to play back, please press the **SEL** to stop recording first.

## 9. TROUBLESHOOTING

### Camera won't pair with screen/no signal

- 1) Ensure the camera is receiving power. Find the setting for the lights that would provide power to the camera and turn the lights on. (Check if the camera is receiving power: cover the camera's light sensor with your hands. If the infrared light is on, the camera is powered on and normal. If not, the camera is not powered up. Please check the wiring and use another power source and power cord to test.)
- 2) Check the connection on your pre-wired setup (Most Furrion pre-wire circuits are tied to the running lights/headlights of the car. Make sure you have whatever lights the cameras are wired too on when testing the cameras.)
- 3) Make sure you are hooked up to the trailer and lights on.
- 4) Check to make sure you didn't reverse the polarity when installing the camera. Make sure the red wire is connected to the positive on the light, and black negative. Check if there is a problem with a light that was wired incorrectly from the factory. Test the wiring on your vehicle and if it is wired incorrectly, switch your wires to the camera to see if it works fine.
- 5) Check if your lights are in the Auto position and and turn it off of auto.
- 6) Check if it turn out to be the connector. If the bayonet plug that came with the camera didn't get power when plugged into the pre-wired Furrion female end or the connector mismatch. Please replaced it with the one in the box.
- 7) It is caused by the voltage supplied by the vehicle that has a PWM electrical system (e.g. Chevy、GMC or Ford) or TPIM system (e.g. RAM models) for led lights being lower. Even though it read 12V+ on the meter, but the truck is not providing the needed power pulse to power the camera it Powers LED lights but not quite enough to power the camera. You can use an Furrion 7-way adapter or a 12V PWM Filter(Hard-wire item) to solve the problem.
- 8) If it still doesn't pair in the same room, contact our customer service email: [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com).

### The monitor is upside down/backwards

Press and hold the M button for 5 seconds to enter the VCOMDC panel, then press the SEL button to move to rotary mode, press the + button to select **MODE2**, and press SEL 4 times to exit this panel.

### Monitor does not work

- 1) Vehicle engine doesn't start. Turn on vehicle engine.
- 2) Check if the little pin on the inside of the power plug for the monitor is broken off.

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- 3) If using a cigarette lighter installation, check if the cigarette lighter is broken. Check your fuses to ensure everything is not blown. The system comes with a DC pigtail red and black power cable, this is also used for the screen, please power the monitor with this cable to test if the screen powers up properly. This will help us determine if the issue is related to the cigarette lighter or the monitor itself.
- 4) Check power at monitor plug and have 12volts?
- 5) Check the car battery if is good and use another 12V battery to test.
- 6) If you have gone through the above checks and still have a black screen, please contact us via [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com) with your Amazon order ID.

### No Signal unless near the monitor

- 1) The camera system in the car is being interfered with and needs to check other devices transmitting on the 2.4g frequency like WIFI, Bluetooth, and other devices like tire management systems.
- 2) Please get out of the populated areas that interference from lots of Bluetooth signals on the road near you.
- 3) Your vehicle body is blocking the signal (if the vehicle is made of aluminum, it is prone to this problem), you can use an antenna extension cable, depending on the length of the car, you need the right length of antenna extension cable.
- 4) It could be that your vehicle is not providing the needed power pulse to power the camera, even if the reading is 12V on the meter, and it powers LED lights but not quite enough to power the camera. If your vehicle has a PWM system or a TPIM system the fix is to use a 12V PWM Filter (Hard-wire item) or a Furrion 7-Way Adapter.
- 5) Check if the antenna is loose or damaged.

### Camera gets water inside the lens

Please contact our customer service email: [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com) with your Amazon order ID.

### The display freezing

- 1) **Temporary interference:** If the freezing issue persists for less than 3 seconds. It's possible that the freezing issue is caused by temporary interference from external sources such as weather, car body material, external signal sources, or obstacles. In most cases, these interferences will not affect the image.
- 2) **Vehicle voltage issues:** It could be that your vehicle is not providing the needed power pulse to power the camera, even if the reading is 12V on the meter, and it powers LED lights but not quite enough to power the camera. If your vehicle has a **PWM wiring** or **TPIM wiring** the fix is to use a Furrion 7-Way Adapter or a 12V PWM Filter.
- 3) **SD card issues:** If the freezing issue persists for more than 10 seconds, it could be due to SD card movement or poor quality. This can cause the monitor to struggle to read the data from the SD card, leading to freezing or buffering.

If you're experiencing the freezing issue, try the following troubleshooting steps:

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1. Check for temporary interference: Try moving the monitor or the SD card to a different location. Switch off the ignition and wait for about 30 seconds to 1 minute, and then turn the ignition back on to reboot the camera system. This can often resolve temporary glitches or freezes.

2. Check the SD card: Make sure the SD card is securely inserted into the monitor and that it's not damaged or worn out. Try using a different SD card to see if the issue persists.

### 3. Check Power Connections

Camera Power: Ensure the camera is properly connected to a power source (e.g., the reverse light circuit or a dedicated power supply).

Monitor Power: Verify that the monitor is receiving power and is securely connected.

Loose Wiring: Inspect all wiring for loose or damaged connections.

4. Reset the System: Menu> System> Reset switch

5. If the system feels hot, allow it to cool down before using it again.

4) If it still can't work well after try, please contact us in time at [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com) with the video of the issue and your Amazon Order ID, we will help you fix it.

If you have any questions not mentioned above, just feel free to email us at [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com). We're always there for you!

## 10. FAQs

Question	Answer
What type of SD card should I use?	The system supports 32GB-128GB Micro Memory card.
How do I keep my backup camera clean in the winter?	We suggest to coat the camera lens with a hydrophobic fluid, such as Rain-X, as a way to keep snow and slush from clinging to the lens.
How to turn on the night vision of the camera?	It will be automatically turned on in the dark environment.
Can I add an extra camera?	Yes, this system supports up to 4 cameras.
How to turn on/off the Parking Guideline?	MENU → SYSTEM → P-LINE → ON/OFF.
Why the screen is flicking?	It might be caused by the current, please try a stable power supply. Check proper wiring to avoid loose and poor attachments and connections of wires, as this may affect the delivery of images.

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<p>The monitor/camera emits smoke after connection</p>  <p><b>Red Wire = Positive (+)</b> <b>Black Wire = Negative (-)</b></p>	<ol style="list-style-type: none"><li>1) The positive and negative connections are reversed and cause a short circuit. Check if the polarity on your vehicle body itself is reversed. Make sure the camera's positive side and negative side to coincide with the vehicle body's positive side and negative side. Please read the installation guide carefully before installation.</li><li>2) The voltage and current are too high.</li></ol>
<p>The M button can not work</p>	<ol style="list-style-type: none"><li>1) Please press SEL button to exit the recording and press V1/V2 button to switch to single screen and see if the buttons can operate.</li><li>2) Remove the SD card, reboot the system, then check if the system is locked.</li><li>3) If it still can't work well after try, please contact us in time at <a href="mailto:sales1@uszeroxclub.com">sales1@uszeroxclub.com</a> with the video of the issue and your Amazon Order ID.</li></ol>
<p>Can I adjust the angle of the camera?</p>	<p>Yes. You need to adjust the camera manually. The steps are to make adjustments to the lens angle with a little bit of hand pressure based on the grain of the top and bottom of the camera.</p>
<p>What if I am not satisfied with this product?</p>	<p>We offer a 18-month warranty and 30 days money back guarantee on all our products. If you have any problems with the product, please feel free to contact us via <a href="mailto:sales1@uszeroxclub.com">sales1@uszeroxclub.com</a>. We will reply you within 24 hours.</p>

**ZEROXCLUB**

**Customer Support Email: [sales1@uszeroxclub.com](mailto:sales1@uszeroxclub.com)**

After we received your email, we will respond within 24H (Vacation may be delayed).

If you don't hear back from us, please check and make sure the email address you contacted is correct. Or you can search for "ZEROXCLUB" on Google to find us.