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eRapta ATYZX5 Solar Wireless Backup Camera

eRapta ATYZX5 Solar Wireless Backup Camera User Manual

Contents

eRapta ATYZX5 Solar Wireless Backup Camera

Specifications

- The eRapta Solar Wireless 5 Camera System (ATYZX5) is designed to observe surroundings and assist in parking.
- The system includes a monitor, a camera, and other necessary accessories for installation.
- It operates on 12-24 Volt Direct Current power.
- To ensure proper installation and avoid damage, it is recommended to have a qualified and experienced engineer install the system.

Product Usage Instructions

Camera Installation

- To pair the camera, open the rubber cover and long press the pair button with a thin stick.
- The Type-C Charging port is used to charge the camera's battery using 12V DC power.
- The battery typically takes 4-6 hours to fully charge.
- The indicator light shows red when the battery is low, stays red while charging, and indicates sufficient battery when not flashing.

Monitor Operation

- Signal strength
- Camera battery status
- Solar charging in progress

Buttons on the Monitor

The monitor has 5 buttons on the top: +, M, -, A, and SEL. Follow the operation instructions to understand their functions:

- **Right/Increase:** Use + to move right, – to move left, and S to select options or adjust parameters.
- **Menu page/Return:** Use this button to navigate menus and return to previous screens.

FAQ

Q: What should I do if I find items missing or damaged in the package?

- **A:** If any items are missing or damaged, please contact **sales2@erapta.com** for assistance.

Q: How long does it take to fully charge the camera's battery?

- **A:** The camera's battery can be fully charged in 4-6 hours using a 12V DC power source through the Type-C Charging port.

Q: What does the indicator light on the camera indicate?

- **A:** The indicator light flashes red when the battery is low, stays red while charging, and indicates sufficient battery when not flashing.

Foreword

- Thank you for purchasing our product! eRapta has always been committed to providing high-quality products and bringing a good experience to our customers.
- It's our great honor to have your trust! This manual includes a product installation guide and system operation instructions.
- To obtain the best performance, please read the manual carefully before installing, and keep the manual properly.

If you're experiencing the following situations:

1. Open the package, finding something is broken or missing.
2. Open the package, and don't like the product.
3. Order the wrong product.
4. Need technical support.
5. Encounter problems with the camera or monitor in use.
6. Have any other problems or needs?

- Please feel free to e-mail our after-sales team at any time: **sales2@erapta.com**
- Each of your messages will be answered within 24 hours.
- We will help you solve your problems, and provide you with the best after-sales service and technical support!

Package Listing

- Thanks for choosing the eRapta solar wireless backup camera system ATYZX5! We are committed to providing

you with the best quality products, so our products will serve you for years.

- Please check the external packaging to see whether there are any signs of rough handling. Also, open the package, and check the items to see whether there are damages caused by transportation.

Monitor activate button	Antenna	Cigarette lighter
Suction cup holder	Glued simple holder	Plastic nut
USB charging cable	Camera bracket	2 Screws

- The image above provides an overview of all the items in the package.
- If any items are missing or damaged, please contact us at: **sales2@erapta.com**

Introduction and Specification

Specification

- The system is designed to observe surroundings and assist with parking, including a monitor, a camera, and other accessories needed to install. It requires 12-24 Volt Direct Current power to work.
- To avoid damage caused by electricity shock or improper installation, we recommend a qualified and experienced engineer to install the system for you.

Introduction to Camera

1. Pair button. Power screen, open the ①rubber cover, and long press it with a thin stick can achieve pairing.
2. Type-C Charging port. You can charge the camera's battery using 12-volt direct current power through this port. Usually, the battery can be fully charged in 4-6 hours.
3. Indicator Light of Power. When the battery is low, the indicator light will be flashing in red. When charging, the light will stay red. When the battery is sufficient, the indicator light is off.
4. Indicator Light of Pairing. Usually, the camera will pair automatically, otherwise select the pair option and pair them manually. When Pairing is in progress, the light will be flashing in green. When the pairing is successful, the light will stay green. When the screen is off, the light is off.
5. Camera. This camera is adjustable. You can adjust the lens 60 degrees up and down to obtain the view you want. The camera has a bracket that can be fixed to the license plate, and the camera can be easily installed or removed by pushing. See Part 3 – Installation Guide.
6. Solar panel. Automatic charging is possible when there is no shade and is illuminated by light.

Introduction to Monitor

Icons on the screen
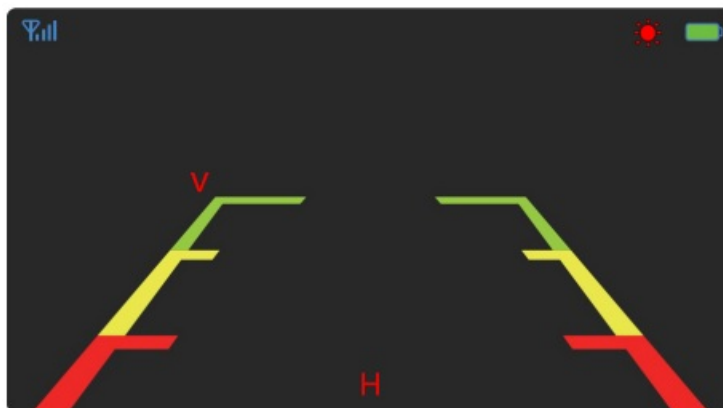
- This camera has a signal
- Camera battery status
- Solar charging is in progress

Buttons on the monitor

There are 5 buttons on the top of the monitor. From left to right, they are +, M, -, A, and SEL. Please read the operation Instructions carefully to learn their functions.

1. ➕**Right/Increase**

   - When entering the menu, you can select different options by pressing ➕ to move to the right or pressing – to move to the left, and you can choose the options by pressing S.

   - When entering the image settings, you can increase the parameters by pressing ➕ and decreasing them by pressing -.

2. **M** **Menu page/Return**

   - When you need to set up the system, you can enter the menu by pressing **M**, selecting +, – and confirming the option by S. Only when entering the image settings, the **M** has a selection role, with +, – to make the image adjustments. When finished setting, press **M** to exit options and menus.

3. **Left/Decrease**

   - When entering the menu, you can select different options by pressing + to move to the right, or pressing ➖ to move to the left, and you can choose the options by pressing S.

   - When entering the image settings, you can increase the parameters by pressing + and decreasing them by pressing ➖

4. 🅰️ Parking line switch/adjustment is used for DIY reversing lines. There are four options to adjust the reverse line by pressing 🅰️, height H, width W, position M, and cancel the reverse line. In the H state, the height of the reversing line can be adjusted by pressing +, -. In the W state, the width of the reversing line can be adjusted by pressing +, -. In the M state, the left and right positions of the reversing line can be adjusted by pressing +, -. 🅰️ also has the function of displaying and canceling the reversing line.

5. **Selection**

   - After pressing M to enter the primary menu, press the **SEL** to select the setting items and enter. After pressing S to enter the secondary **SEL** menu, press the to confirm the option and exit the secondary menu.

Introduction to Accessories

Monitor activate button

1. It's used to light up the screen when you need to see through the camera.
2. It needs to be paired with the monitor before use. Normally, the Pairing is done Before leaving our factory. But you need to repair the button if it is lost paired. See 4.2 for details on how to pair.

Cigarette lighter

1. It's used to provide power to the screen.
2. The red button above the cigarette lighter turns on/ off the power.

Monitor Mount

suction cup holder   glued simple holder

1. It's used to hold the monitor in the desired position.
2. Two types of mounts are available depending on the need.

Camera bracket

1. It's used to fix the camera to the license plate.

Antenna

1. It's used to strengthen the signal connection between the camera and the monitor.
2. It needs to be installed behind the monitor before pairing.

Plastic nut

1. It's used to fix the monitor and the monitor mount.

USB charging cable

1. It's used to connect the charger and the camera.

Screws

1. It's used to fix the camera bracket to the license plate.

Installation Guide

Make an Installation Plan

- Before installation, we recommend you spend a little time testing the system. This can help you confirm whether the system works normally before you install it on your vehicle.
- You can use a 12-24V power supply to power up the monitor and camera. Our camera has been paired with the monitor before they leave our factory.
- If you want to pair the camera with another channel, please see 4.2 pairing for detailed pairing notes and methods.
- Based on our experience, we recommend you follow the sequence below to finish the installation:

1. Install monitor
2. Install camera
3. Connect monitor and camera to power supply
4. Adjust the lens of a camera according to your needs

Monitor Installation

There are two bracket options for screen mounting. It can be mounted to the dashboard or the windshield.

1. Mount the antenna to the back of the monitor.
2. Select a bracket. Place the plastic nut behind the bracket gimbal as shown in the picture.

suction cup holder   glued simple holder

3. Insert the bracket gimbal into the gimbal mount at the back of the monitor, as shown in the picture.
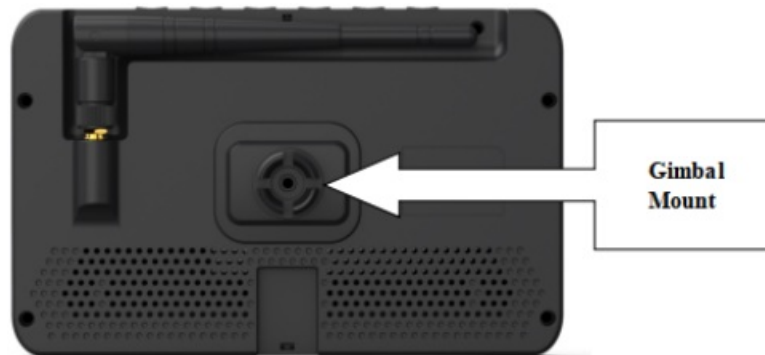
Gimbal Mount

4. Place the base in the right position and choose the right angle of the monitor. Then tighten the plastic nut with the gimbal mount at the back of the monitor. Now, the monitor has been fixed with the monitor mount.

5. When you use the suction cup holder, first open the suction cup locking buckle as shown in the position. Wet the suction cup with water, fixed in the ideal position, then press the suction cup locking buckle. Complete the installation.

Locking Buckle

6. When you use the glued simple holder, first stick the 3M double-sided tape to the bottom of the holder. Choose the ideal position and press the base of the holder down hard to complete the fixation.

7. Insert the Type-C of the cigarette lighter connection cable into the Type-C socket at the back of the monitor, Insert the cigarette lighter into the car cigarette lighter base and press the red button above the cigarette lighter to light up it.

8. Screen installation and connection is complete. Press the screen on/off key to use.

Camera Installation

1. Remove the license plate screws. Place the camera bracket in front of the license plate.
    - The bracket direction as shown In the picture.
    - The screw holes on both sides correspond to the license plate screw holes.
    - Use the screws to fix the bracket to the license plate.

Notice the position of "L"

AQB2717
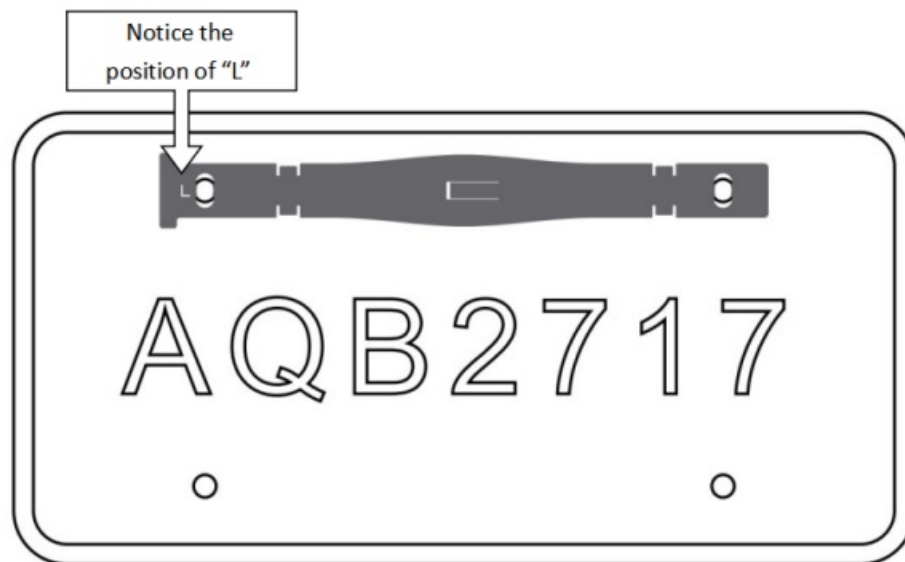
2. Hold the camera close to the bracket, the camera direction as shown in the picture (logo on top). Push the camera hard from the right side to the left side. When you hear a click, you can confirm that it is installed.


Notice the position of logo

AQB2717
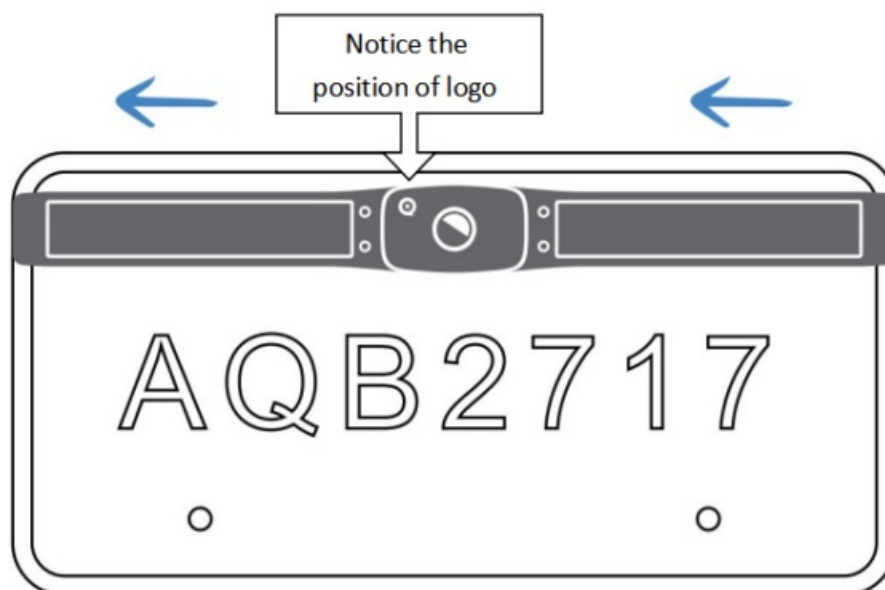
3. Check whether the camera has been firmly fixed. Adjust the camera tilt angle to find the most suitable viewing angle.
4. When you want to remove it, press the camera against the bracket and push it out from the left side to the right side with force. To prevent it from falling off easily, we tightened the fixing clips. So when you take it off, you need to use more force.

- If you encounter any problems in the installation, please feel free to contact us: **sales2@erapta.com**
- We will provide professional technical support within 24h.

System Operation

- This part describes the functions of 5 panels in menu page. You can press M to enter the menu page and adjust settings by buttons on the monitor.
- When you move the cursor to a panel or a sub-panel, its icon will become gray. You can know where your cursor by icons' colors.

Primary Menu
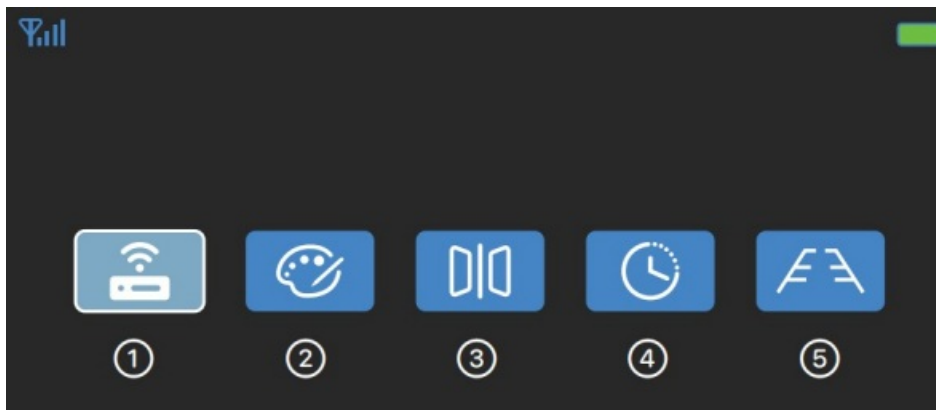
1. **Pairing setting:** Pair the Activate Button/Camera to the monitor
2. **Image Parameters:** Brightness/ Contrast/ Saturation
3. **Image Rotation:** Horizontal/ Vertical Flip
4. **Screen Timeout:** Setup to turn off the monitor after 45s/60s/ 90s or turn off this function
5. **Parking Guidelines:** ON/ OFF

Secondary Menu Pairing Setting
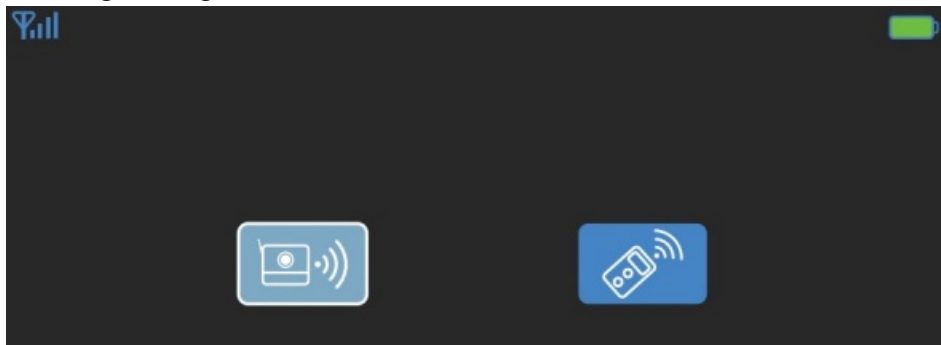
- Before leaving our factory, the camera has already been paired with the monitor. Generally, the product is automatically paired when the screen is on.
- But you need to re-pair the camera if it lost paired. We recommend you finish pairing before installing the system on your vehicle, because the monitor and camera needs to be within 3 feet in pairing.

1. **Camera system pairing**

If you need to do it manually, here are the steps:

1. Power up the monitor.
2. Open the rubber cover on the pairing button of the camera, and long press it with a thin stick until the system is paired
3. and the flash green light stays on.

- If it's still not paired, then follow these steps. Press to **M** enter menu page. Press **SEL** to select the (Pairing setting). Press **SEL** to confirm the then long press it with a thin stick until the system is paired successfully and the flash green light stays on.

Pairing tips:

- Make sure the monitor has installed the antenna.
- Keep the camera and monitor within 3 feet.

Monitor activate button pairing

- Press **M** to enter menu page. Press **SEL** to select [icon] (Pairing setting). Press **SEL** to confirm the [icon]. Then press the Monitor activate button. It will appear OK under the when it is paired successfully.
- If the system is still not paired, Please feel free e-mail to our after-sales team at any time: **sales2@erapta.com**

Image Parameters
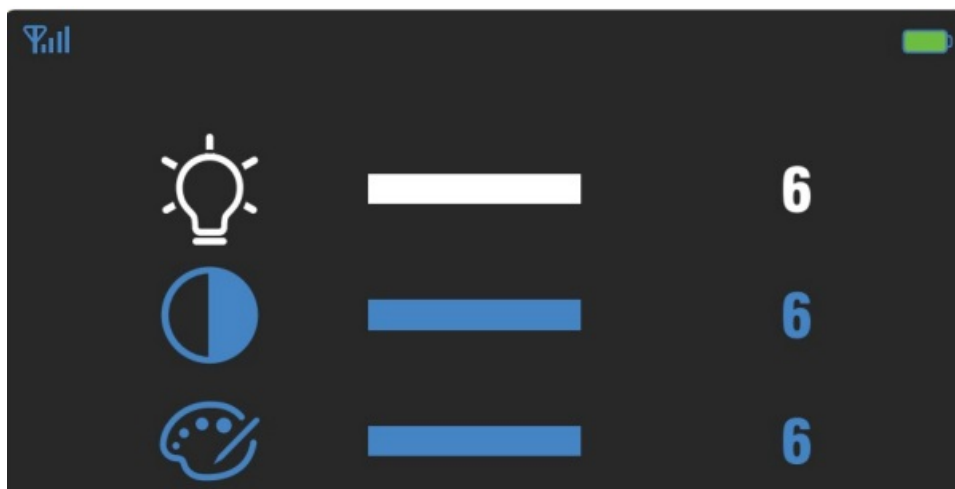
1. Press **M** to enter menu page.
2. Press **SEL** to select the [icon] (Image setting).
3. Select brightness/contrast/saturation by press **M** .
4. Increase the parameters by pressing **+** and decrease it by pressing **−** .
5. Press **SEL** to confirm and exit the Secondary menu.
6. Press **M** to exit the menu page.

Image Rotation
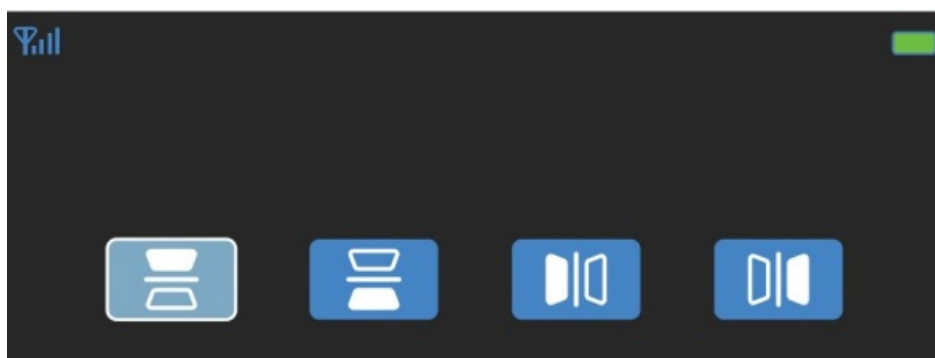
1. Press **M** to enter the menu page.

2. Press **SEL** to select the ◨◧ (Image mirror/Flip setting).

3. Select flip or mirror image by press pressing **+** and **−** .

4. Press **SEL** to confirm and exit the Secondary menu.
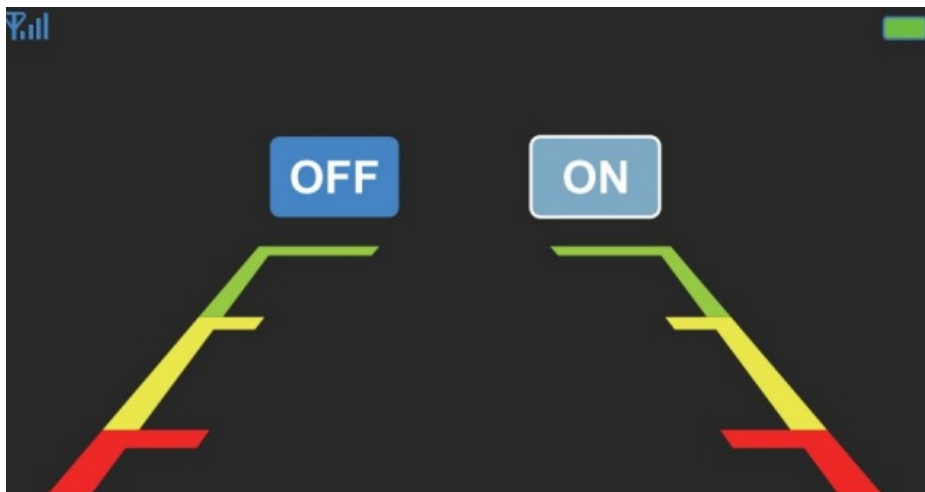
5. Press **M** to exit the menu page.

Screen Timeout
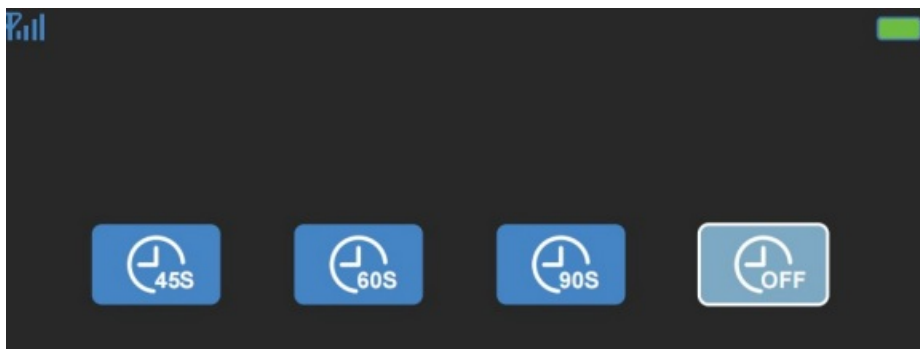
1. Press **M** to enter menu page.

2. Press **SEL** to select the 🕐 (Display time setting).

3. Select different display time by press pressing **+** and **−** .

4. Press **SEL** to confirm and exit the Secondary menu.

5. Press **M** to exit the menu page.

- **Tips:** When you select off to make the monitor stay on, it will speed up the power consumption and the life of the camera battery.
- When you set a certain duration(45s,60s,90s), you need to press the monitor activate button again to light up it before each use.
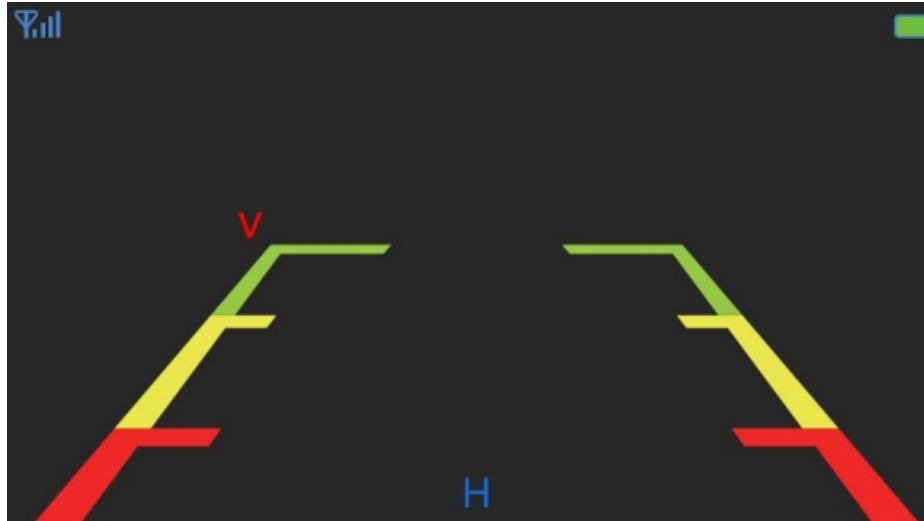- You can stick the button to the steering wheel or a more convenient place for easy access.

Parking Guidelines: ON/OFF

1. Press **M** to enter menu page.

2. Press **SEL** to select the (Parking guide line setting).

3. Select on/off by press pressing **+** and **−** .

4. Press **SEL** to confirm and exit the Secondary menu.

5. Press **M** to exit the menu page.

Parking Guidelines Adjustment

1. Press to enter the three different adjustment states of parking guide line, or turn off the parking guide line.

2. When it appears H, the height of the parking guidelines can be adjusted by pressing **+** or **−** .

3. When it appears W, the width of the parking guidelines can be adjusted by pressing **+** or **−** .

4. When it appears M, the left and right position of the parking guidelines can be adjusted by pressing **+** or **−** .

FAQ

1. **Q: How to solve the problem of "black screen"?**
   - **A:** Check if the screen and camera are successfully paired. Check if the camera has power, and check if the car charger can power the screen.
2. **Q: Why does the monitor activate button not match and not work?**
   - **A:** The monitor activate button needs to be connected to the screen. So this activate button has a lithium battery inside.
   - Therefore, it may have run out of the battery when the activate button is not working. Replace the battery and pair it with the monitor again then it will work properly.
   - You can contact us if it have run out of the battery or still not working.

Warranty

- Each of your messages will be answered within 24 hours. We will help you solve your problems, and provide you with the best after-sales service and technical support!
- **Email** : **sales2@erapta.com**
- **Warranty:** Lifetime Warranty

Documents / Resources

eRapta ATYZX5 Solar Wireless Backup Camera [pdf] User Manual
ATYZX5 Solar Wireless Backup Camera, ATYZX5, Solar Wireless Backup Camera, Wireless Backup Camera, Backup Camera, Camera

References

- **User Manual**