

- adapters may damage the internal circuits.
- **Avoid Overcharging:** Do not leave the device charging unattended for extended periods, as this could overheat the internal battery and cause potential damage.
  - **Battery Maintenance:** If you are not using the device for a long time, make sure the battery is charged to around 50%. This helps extend battery life and prevent damage from deep discharge.
- 04. Handling the Remote Control:**
- **Avoid Drops or Impact:** The remote control is designed for comfort, but dropping it or subjecting it to rough handling can damage the internal electronics. Always handle the remote with care.
  - **Battery Safety:** Use only AAA alkaline batteries in the remote. Do not mix old and new batteries, and avoid using damaged batteries. Replace batteries promptly when the remote indicates low power.
- 05. Avoiding Electrical Hazards:**
- **Disconnect Power Before Maintenance:** Always turn off the OWL PRO 365 and disconnect it from power sources before performing maintenance or cleaning.
  - **Dry Hands and Equipment:** Always ensure your hands are dry when operating the remote control or handling the device. Moisture can cause electrical shorts or malfunctions.
- 06. Operational Safety:**
- **Keep Clear of Moving Parts:** While operating the pan and tilt features, be cautious around the moving parts of the device. Ensure that no part of your body or any object is in the way of the moving pan/tilt mechanisms.
  - **Monitor Vehicle Speed:** When the device is mounted on a vehicle, make sure to drive at moderate speeds,

especially when using the device for pan/tilt functions. Excessive vehicle speed or sudden movements may affect the stability of the device.

**07. Storage and Transport:**

- **Store in a Safe Location:** When not in use, store the OWL PRO 365 and remote control in a safe, dry place away from extreme temperatures or direct sunlight.
- **Secure during Transport:** If transporting the device, ensure it is securely packed to prevent it from getting damaged. Avoid dropping or rough handling during transport.

**08. Regular Maintenance and Inspection:**

- **Clean Regularly:** Keep the device clean by wiping it with a soft cloth. Avoid using harsh chemicals or abrasive materials that could damage the surface or the components.
- **Check for Wear and Tear:** Regularly inspect the device, especially the mounting area and cable connections, for signs of wear. Replace any worn-out parts promptly to maintain optimal performance.

**09. Using the Device in Traffic or Public Spaces:**

- **Ensure Visibility:** If you are using the device in a public or traffic-heavy area (e.g., on the roof of a car), ensure that it does not obstruct visibility for the driver. Avoid mounting in areas that could interfere with the vehicle's lights or other equipment.

**10. General Handling and Safety:**

- **Do Not Disassemble:** The device contains sensitive electronic components. Avoid opening or disassembling the OWL PRO 365 or the remote control, as doing so may void the warranty and cause permanent damage.

- **Keep Away from Children:** The OWL PRO 365 is not intended for use by children. Always keep the device and remote out of their reach to avoid accidents or misuse.

**Maintenance and Care**

- **Avoid Direct Sunlight and Extreme Temperatures:** Never expose the device to direct sunlight for long periods or store it in areas with extreme temperatures. Prolonged exposure to heat can damage the electronics and batteries, while cold temperatures can cause battery performance issues.

**Transporting the Device:**

- **Pack Carefully:** When transporting the OWL PRO 365, ensure it is securely packed. Use protective cases or cushioning to prevent any impacts that might damage the device or the remote control.
- **Avoid Shocks or Drops:** Ensure the device is handled gently during transport. Shocks or drops may misalign the internal components or damage the camera or remote control.

**Troubleshooting and Professional Service:**

- **Avoid Self-Repairs:** If you encounter any issues with the device that you cannot resolve through troubleshooting, avoid disassembling or attempting to repair it yourself, as this could void the warranty. Contact the manufacturer or an authorized service provider for assistance.
- **Keep the Manual:** Keep the user manual handy for troubleshooting common issues and following manufacturer recommendations for care and maintenance.
- **By following these guidelines,** you'll be able to extend the

life of your OWL PRO 365 and keep it in top condition for regular use. Regular maintenance helps prevent unexpected failures and ensures the device operates as intended for many years to come.

**Warranty and Support**

**Warranty Coverage:**

- **Duration:** The standard warranty for the OWL PRO 365 typically covers the device for 2 year from the date of purchase according to the law.
- **What's Covered:**
  - **Manufacturing Defects:** The warranty usually covers defects in material or workmanship that are present from the time of purchase. If your device has problems that arise due to faulty manufacturing, it should be covered under the warranty.
  - **Internal Components:** Internal components, such as the motorized pan/tilt mechanism, remote control, and internal electronics, are typically covered if they fail due to a manufacturing defect. However please make sure that the device was handled with care.
- **What's Not Covered:**
  - **Damage from Misuse or Accidents:** The warranty will not cover damage resulting from accidents, drops, misuse, or failure to follow the maintenance and safety instructions provided in the user manual. For example, if the device is dropped, submerged in water, or exposed to extreme weather conditions beyond its specified ratings, it is unlikely to be covered.
  - **Damage Due to Unauthorized Repairs or Modifications:** If the device is opened, modified, or repaired by anyone

other than an authorized service center, the warranty may become void.

- **Consumable Items:** Batteries (other than the built-in lithium battery, if included) or other consumables are not covered.

**The package includes the following items**

**01. Pan/Tilt Mechanism (Main Unit)**

This is the core component of the OWL PRO 365 that provides motorized pan and tilt functionality for your mounted camera. It includes the magnetic base for secure attachment to metal surfaces (e.g., a car roof).

**02. Manual**

The user manual that guides you through setup, operation, and maintenance of the device. It includes essential instructions, safety precautions, and troubleshooting tips.

**03. Type-C Cable**

A Type-C cable (likely USB-C) for charging or powering the OWL PRO 365 device. This cable allows you to connect the unit to a suitable power source (like a wall adapter or a power bank).

**04. Remote Control**

The 2.4GHz remote control that allows you to operate the pan and tilt movements, adjust speeds, set presets, and control the overall operation of the OWL PRO 365 from a distance.

**05. AAA Alkaline Batteries**

2 x AAA alkaline batteries are included for powering the remote control. Make sure to replace them when the remote indicates low power or after extended use.

OUTDOOR TECH INNOVATIONS



## OWLPRO 365 Magnetic Mount + Remote

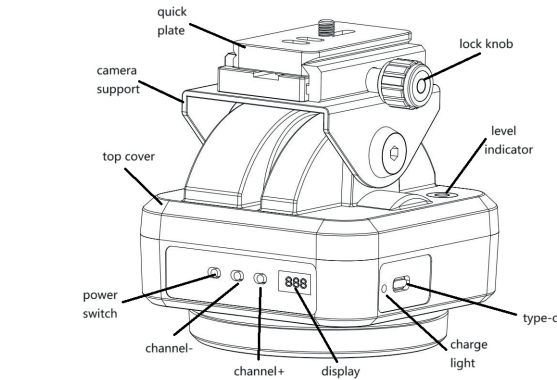
YT-1500pro REMOTE PAN TILT



## OPERATION MANUAL

The **OWL PRO 365** is compatible with a wide range of cameras, including thermal cameras, that support a ¼-inch thread. The device is IP66-rated, ensuring full protection against dust and water. It can handle up to 100 communication channels between the remote control and the device.

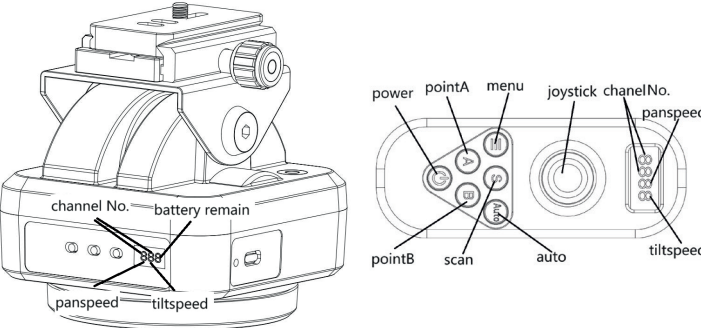
The **OWL PRO 365** is designed for use on the roof of a car, where it can be securely mounted using its magnetic base. Ensure the magnet is in direct contact with the metal surface, with no debris or soil between the magnet and the metal, as this may cause the device to lose its connection. Also, verify that the magnetic base is securely attached to the device for optimal performance.



**Remote Control Features:**  
The remote control offers up to 8 speed settings for pan and tilt movements, ranging from 3.5°/min to 0.12°/min. Additionally, you can store 2 preset positions in the memory, allowing you to return to a specific location with the press of a button.

Specifications

- Pan Angle: Infinite rotation
- Tilt Angle: 52°
- Pan Speed: 8 levels, 0.12°/min – 3.5°/min
- Tilt Speed: 8 levels, 0.3°/min – 1°/min
- Remote Control: 2.4GHz
- Remote Channels: 00-99 (Joystick control)
- Remote Range: >30m
- Remote Battery: 2 x AAA alkaline batteries
- Maximum Load: 2kg (camera weight ≤ 50mm)
- Waterproof Rating: IP65
- Power Consumption: Max. 3W
- DC Input: 5V, 2A
- Built-in Battery: 18650 Lithium, 3.7V
- Dimensions: 110mm (L) x 110mm (W) x 120mm (H)
- Weight: 1000g (excluding pan/tilt mechanism)



Operation Instructions

01. Power On the OWL PRO 365:

- Turn on the power switch on the OWL PRO 365. The LED display will light up.
- The first and second characters on the display represent the channel number. This must match the channel set on the remote control.
- Use the “+” and “-” buttons on the OWL PRO 365 to adjust the channel number.
- The third character shows the battery status. The battery level is displayed from 0 to 5, where 5 indicates a full charge (100%) and 0 means the battery is almost empty and needs charging.

02. Power On the Remote Control:

- Press any button on the joystick to turn on the remote. The LED indicator will light up.
- The first and second characters on the remote display represent the remote’s channel number. When the remote channel number matches the pan-tilt device’s channel, the OWL PRO 365 can be operated using the joystick.

03. Pan and Tilt Speed:

- The third character on the display represents the pan speed, and the fourth character represents the tilt speed. You can adjust both speeds at any time.

04. Adjust Channel or Speed on Remote:

- To adjust the channel number or speed, long-press the “Menu” key.
- The channel number characters will begin to flash. Use the joystick to adjust the remote’s channel number.

- Short press the “Menu” key to adjust the pan speed (third character). Use the joystick to modify the speed.
- Press the “Menu” key again to adjust the tilt speed (fourth character) using the joystick.

05. Remote Battery Level:

- Upon turning on the remote, the display briefly shows a series of numbers: 5555, 4444, 3333, 2222, 1111. These numbers represent the remaining battery level of the remote.
- When the display reaches „1111“, the batteries should be replaced.

06. Setting A and B Positions:

- To memorize a position as „A“, long-press the “A” key.
- To memorize a position as „B“, long-press the “B” key.
- To return to the „A” position, press both the “Auto” and “A” keys simultaneously.
- To return to the „B” position, press both the “Auto” and “B” keys simultaneously.
- To initiate horizontal scanning based on the set pan speed, press both the “Auto” and “S” keys simultaneously. Press the “S” key again to stop scanning.

07. Auto Rotate:

- To start continuous panning, press both the “Auto” button and move the joystick left or right.
- To start continuous tilting, press both the “Auto” button and move the joystick up or down.
- Push the joystick in any direction to stop the continuous rotation.

08. Power Off the Remote:

- Press the power button to turn off the remote control after use.

- If not manually powered off, the remote will automatically shut down after 20 minutes of inactivity.

Safety Instructions

01. Proper Mounting:

- Ensure Stable Attachment: The OWL PRO 365 relies on its magnetic base for mounting. Always ensure that the base is securely attached to a metal surface on the car, with no dirt, debris, or moisture between the magnet and the metal. Any obstruction can reduce the magnetic strength and cause instability or loss of connection.
- Avoid High-Speed Movement: When mounted on the vehicle, avoid high-speed driving, as the vibration and force might impact the device’s stability. Always check the magnet’s grip before moving the vehicle.

02. Weather and Environmental Conditions:

- Operating Temperature Range: Make sure to operate the device within its specified temperature range. Extreme cold or hot conditions may affect the performance of the device and the battery. Refer to the user manual for specific temperature guidelines.
- Water and Dust Exposure: While the device is IP66-rated, offering protection against water and dust, avoid submerging it in water or exposing it to harsh, direct water jets. The rating ensures resistance to rain and dust, but prolonged or excessive exposure may still cause damage.

03. Power Supply and Charging:

- Use Proper Power Sources: Always use the recommended 5V 2A DC input for charging the device or supplying power. Overvoltage or using incorrect power

MAWA Trading GmbH  
Johann-Galler Straße 20, 2120 Wolkersdorf  
Österreich  
www.mawa-trading.com

