

## Jebao CW-36

# Jebao 36W UV Ballast Transformer CW-36 Instruction Manual

Model: CW-36

## IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** This device operates with AC 110-120V / 60Hz. Ensure the power supply matches these specifications. Always disconnect power before performing any installation, maintenance, or troubleshooting.
- **Indoor Use Only:** This ballast is designed for indoor use in dry environments. Do not expose to water, moisture, or extreme temperatures.
- **Proper Grounding:** Ensure the electrical outlet used is properly grounded.
- **UV Lamp Compatibility:** This ballast is specifically designed for 36W UV lamps, such as the CW-36. Using it with incompatible lamps may cause damage to the ballast or lamp, or create a fire hazard.
- **Professional Installation:** If you are unsure about any part of the installation process, consult a qualified electrician.
- **Avoid Contact with UV Light:** While this product is a ballast, it powers a UV lamp. Direct exposure to UV-C light can cause severe eye and skin damage. Ensure the UV lamp is enclosed in a protective housing during operation.

## PRODUCT OVERVIEW

The Jebao 36W UV Ballast Transformer (Model CW-36) is an essential component designed to power a 36-watt ultraviolet (UV) lamp. This ballast converts the incoming electrical current to the appropriate voltage and current required for the stable operation of a compatible UV lamp, typically used in water purification systems or pond filters to control algae and harmful microorganisms.



Image 1: Front view of the Jebao 36W UV Ballast Transformer. This image shows the compact design and typical electrical connections for the ballast.

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*Note: UV lamp and housing are sold separately and are required for a complete UV sterilization system.*

## SETUP

1. **Verify Compatibility:** Ensure your UV lamp is a 36W lamp compatible with the CW-36 ballast.
2. **Power Disconnection:** Always ensure the main power supply is disconnected before beginning installation.
3. **Connect UV Lamp:** Carefully connect the UV lamp to the ballast's output connector. Ensure a secure and proper fit. Refer to your UV lamp's manual for specific connection instructions if necessary.
4. **Mounting (Optional):** If desired, mount the ballast in a dry, protected location using appropriate fasteners (not included). Ensure adequate ventilation around the ballast.
5. **Connect Power Cord:** Plug the ballast's power cord into a standard AC 110-120V / 60Hz grounded electrical outlet.
6. **Final Check:** Double-check all connections to ensure they are secure and correct before restoring power.

## OPERATING INSTRUCTIONS

Once the ballast is properly installed and connected to a compatible 36W UV lamp within its protective housing:

1. **Restore Power:** Plug the ballast into a grounded electrical outlet or restore power to the circuit.
2. **Verify Operation:** The UV lamp should illuminate. Many UV systems include a viewing port or indicator light to confirm the lamp is working. *Do not look directly at an exposed UV lamp.*
3. **Continuous Operation:** The ballast is designed for continuous operation to maintain the effectiveness of

the UV sterilization system.

## MAINTENANCE

The Jebao 36W UV Ballast Transformer requires minimal maintenance. However, regular checks can ensure optimal performance and longevity:

- **Keep Dry:** Ensure the ballast remains in a dry environment, free from water splashes or condensation.
- **Inspect Connections:** Periodically check all electrical connections for tightness and signs of corrosion or damage. Disconnect power before inspection.
- **Clean Exterior:** If necessary, gently wipe the exterior of the ballast with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- **UV Lamp Replacement:** The UV lamp itself has a limited lifespan (typically 9-12 months of continuous use) and will need periodic replacement. Refer to your UV lamp's instructions for replacement procedures. The ballast does not require routine replacement unless it malfunctions.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
UV lamp does not light up.	No power to the ballast. Loose connection between ballast and lamp. Faulty UV lamp. Faulty ballast.	Check power outlet and circuit breaker. Ensure all connections are secure. Replace the UV lamp with a new, compatible 36W lamp. If lamp is new and connections are secure, the ballast may be faulty and require replacement.
Ballast feels unusually hot.	Poor ventilation. Overload or incompatible lamp. Internal fault.	Ensure ballast is in a well-ventilated area. Verify UV lamp wattage (must be 36W). Disconnect immediately if lamp is incompatible. Disconnect power and contact support if overheating persists.

If troubleshooting steps do not resolve the issue, contact Jebao customer support or your retailer for further assistance.

## SPECIFICATIONS

- **Model:** CW-36
- **Power Output:** 36W
- **Input Voltage:** AC 110-120V
- **Frequency:** 60Hz
- **Manufacturer:** Jebao
- **ASIN:** B011LSU9C8
- **UPC:** 651046600626
- **Power Source:** Corded Electric

## WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available data. For details regarding warranty coverage, return policies, or technical support, please refer to the documentation included with your purchase or contact the retailer or Jebao customer service directly.

When contacting support, please have your product model (CW-36) and purchase information readily available.