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QIBOX T1-2024

QIBOX 2.9W Solar Charger for USB-C Video Doorbells User Manual

Model: T1-2024

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your QIBOX 2.9W Solar Charger for USB-C Video Doorbells. This solar panel is designed to provide continuous power to compatible USB-C video doorbells, reducing the need for frequent battery recharges. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.



Image: QIBOX Doorbell Solar Charger, designed for continuous power.

2. Product Overview

2.1 Key Features

- **2.9W Solar Output:** Provides stable and efficient power to your doorbell.

- **Adjustable Solar Panel Mount:** Allows for optimal angle adjustment (up to 120°) to maximize sunlight absorption.
- **Weather-Resistant Outdoor Construction:** IP53 waterproof rating protects against dust and rain.
- **USB-C Connection:** Specifically designed for USB-C port video doorbells (*Note: Not compatible with Micro-USB or other plug types*).
- **Easy Installation:** Designed for straightforward setup.

2.2 Components

The QIBOX Solar Charger package includes:

- QIBOX 2.9W Solar Panel with integrated USB-C cable
- Adjustable mounting bracket
- Installation screws and wall anchors
- User Manual (this document)





Image: The QIBOX 2.9W Solar Charger, highlighting its power output.



Image: Internal structure of the QIBOX solar panel, detailing its durable and efficient layers.

3. Setup and Installation

Follow these steps to install your QIBOX Solar Charger:

1. **Choose a Location:** Select an outdoor location that receives at least 2 hours of direct sunlight per day. The panel's efficiency is directly related to sunlight exposure.
2. **Mount the Bracket:** Secure the adjustable mounting bracket to the wall using the provided screws and wall anchors. Ensure it is firmly attached.
3. **Attach the Solar Panel:** Connect the solar panel to the mounting bracket.
4. **Adjust the Angle:** Adjust the solar panel to an optimal angle (up to 120°) to capture maximum sunlight throughout the day.
5. **Connect to Doorbell:** Plug the integrated USB-C cable from the solar panel into the USB-C charging port of your video doorbell. Ensure the connection is secure.

6. **Secure Doorbell:** Mount your video doorbell onto its designated bracket, ensuring the solar panel cable is neatly routed and not pinched.



Image: Visual guide for easy installation of the solar charger.



Image: Illustrates the 120° adjustable panel for optimal sun exposure.

3.1 Installation Video Guide

For a visual walkthrough of the installation process, please refer to the video below:

Your browser does not support the video tag.

Video: Installation guide for the QIBOX Solar Charger with a Ring Battery Doorbell (2024 Release) Type-C Port.

4. Operating Instructions

Once installed and connected, the QIBOX Solar Charger will automatically begin charging your USB-C video doorbell when exposed to sufficient sunlight. The 2.9W output ensures a steady power supply, helping to maintain your doorbell's battery level and extend its operational time without manual recharging.

- The solar panel is designed for continuous charging.
- Monitor your doorbell's battery status via its companion app to confirm charging effectiveness.

- Performance may vary based on sunlight intensity, duration, and weather conditions.



Image: The solar panel's efficient design with multiple cells for optimal charging.

5. Maintenance

To ensure the longevity and optimal performance of your solar charger, consider the following maintenance tips:

- **Cleaning:** Periodically wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may accumulate and reduce efficiency. Avoid abrasive cleaners.
- **Connection Check:** Occasionally inspect the USB-C connection to your doorbell to ensure it remains secure and free from corrosion or damage.
- **Obstruction Removal:** Ensure no new obstructions (e.g., growing foliage, new structures) are blocking sunlight from reaching the panel.
- **Weather Resistance:** The IP53 rating provides protection against typical outdoor elements. However, during extreme weather conditions (e.g., heavy snow, severe storms), ensure the panel is not damaged or covered.



Image: The solar charger's IP53 waterproof design, suitable for various weather conditions.

6. Troubleshooting

If you encounter issues with your QIBOX Solar Charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Doorbell not charging.	Insufficient sunlight exposure.	Relocate the panel to an area with more direct sunlight. Adjust the panel angle.
Doorbell not charging.	Loose or faulty USB-C connection.	Ensure the USB-C cable is securely plugged into both the solar panel and the doorbell. Check for cable damage.
Solar panel appears dirty.	Accumulation of dust, dirt, or debris.	Clean the solar panel surface with a soft, damp cloth.

Problem	Possible Cause	Solution
Panel does not fit doorbell.	Incompatible doorbell model.	This charger is ONLY for USB-C port doorbells. Verify your doorbell model's port type.

7. Specifications

Feature	Detail
Brand	QIBOX
Model Number	T1-2024
Material	Monocrystalline Silicon
Product Dimensions (L x W x H)	1.37" x 5.74" x 11.41"
Item Weight	0.42 kg
Maximum Power	2.9 watts
Maximum Voltage	5 volts
Output Voltage	5 volts DC
Connector Type	USB-C Port ONLY (Not for Micro-USB or other plug types)
Special Features	Adjustable, Easy Installation, Efficient Charging
Included Components	USB-C Port Solar Charger Mount

8. Warranty and Support

QIBOX products are designed for reliability and performance. For specific warranty details, please refer to the product packaging or the official QIBOX website. If you encounter any issues or require technical assistance, please contact QIBOX customer support through the retailer where the product was purchased or visit the QIBOX brand store online.

Online Support: Visit the QIBOX Store on Amazon for more information and support resources.

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