LinkTap GW-02

LinkTap Gateway GW-02 Instruction Manual

Model: GW-02

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1. INTRODUCTION

The LinkTap Gateway GW-02 serves as the central hub for connecting your LinkTap smart watering system to the internet. This device facilitates remote control, monitoring, and advanced automation features for your LinkTap water timers, ValveLinkers, and Extenders. By establishing a stable wired Ethernet connection to your router, the Gateway ensures reliable communication without the complexities of Wi-Fi pairing.

This manual provides essential information for setting up, operating, and maintaining your LinkTap Gateway to ensure optimal performance of your smart watering system.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- LinkTap Gateway GW-02 Unit
- Ethernet Cable
- Power Adapter

3. SETUP

Follow these steps to set up your LinkTap Gateway:

1. **Connect to Router:** Plug one end of the provided Ethernet cable into the LAN port of your Wi-Fi router, Wi-Fi extender, or network switch. Connect the other end to the Ethernet port on the LinkTap Gateway.

2. **Connect Power:** Plug the power adapter into the LinkTap Gateway's power input, then connect the adapter to a standard electrical outlet.

3. **Verify Indicators:** Once powered on, observe the LED indicators on the Gateway. All four lights

(Synced, Internet, Link, Power) should turn green, indicating a successful connection and operation.

This image illustrates the physical connection of the LinkTap Gateway. The Ethernet cable connects the Gateway to your internet router, and the power adapter provides electricity. Ensure all connections are secure for proper operation.

4. OPERATION

The LinkTap Gateway enables comprehensive control and monitoring of your LinkTap devices through the LinkTap app and web portal.

4.1 App Control and Monitoring

- **Remote Control:** Manage your watering schedules and initiate instant watering from anywhere using the LinkTap app.
- **Weather-Aware Automation:** The system supports intelligent watering adjustments based on local weather conditions.
- **Real-time Alerts:** Receive push and email alerts for important events from your LinkTap devices, such as low battery or connectivity issues.
- **Device Topology:** The LinkTap app allows you to view a device topology graph, helping you visualize connections and optimize device placement.

4.2 System Reliability

Watering schedules are stored and executed directly on the individual LinkTap timers/controllers. This ensures that planned watering continues even if the Gateway or internet connection is temporarily offline. Remote control, monitoring, and alerts will automatically resume once the connection is restored.

4.3 System Expansion

The Gateway supports managing up to 15 LinkTap devices (including water timers, ValveLinkers, and Extenders). You can expand your system's coverage by adding multiple LinkTap Extenders, which create a Zigbee mesh network. Extenders can be daisy-chained (multi-hop) to further extend wireless coverage for larger properties or challenging environments.

This diagram demonstrates how the LinkTap Gateway acts as the central communication hub for your LinkTap watering system. It connects to various LinkTap devices such as water timers, ValveLinkers, and Extenders, enabling centralized control and monitoring.

5. PLACEMENT TIPS FOR BEST WIRELESS COVERAGE

Optimal placement of your LinkTap Gateway is crucial for reliable wireless communication with your LinkTap devices. Consider the following recommendations:

- **Height and Central Location:** Place the Gateway in a high and central location within your home or property. Avoid placing it directly on the floor.
- **Multi-story Homes:** In two-story homes, placing the Gateway on the upper floor often improves overall coverage.
- **Avoid Obstructions:** Keep the Gateway at least approximately 2 feet (60 cm) away from large metal objects (e.g., refrigerators), power boards, and other 2.4 GHz devices. These can interfere with the Zigbee signal.
- **Wi-Fi Band:** If possible, configure your home Wi-Fi router to operate on the 5 GHz band. This reduces congestion in the 2.4 GHz spectrum, which LinkTap uses for its Zigbee communication.

6. COMPATIBILITY

The LinkTap Gateway GW-02 is compatible with the following LinkTap devices:

- Q1 Wireless Water Timers
- D1 Wireless Water Timers
- T1 Wireless Water Timers
- G1S Wireless Water Timers
- G2S Wireless Water Timers
- G1 Wireless Water Timers
- G2 Wireless Water Timers
- Wireless Valve Controllers
- Extenders

7. SPECIFICATIONS

Feature	Detail

Brand	LinkTap
Model Number	GW-02
Material	Plastic
Product Dimensions	3.3"D x 3.3"W x 0.6"H
Item Weight	0.25 Kilograms (8.8 ounces)
Number of Settings	20 (referring to watering plans/schedules)
Connectivity	Wired Ethernet to router, Zigbee for LinkTap devices
Max Devices per Gateway	Up to 15 LinkTap devices
Date First Available	June 23, 2021

8. TROUBLESHOOTING

If you encounter issues with your LinkTap Gateway, consider the following troubleshooting steps:

- **No Power Light:** Ensure the power adapter is securely connected to both the Gateway and a working electrical outlet. Try a different outlet if necessary.
- **No Link Light:** Verify that the Ethernet cable is firmly connected to both the Gateway and your router/switch. Check if your router's LAN port is active. Try a different Ethernet cable.
- **No Internet Light:** Confirm that your router has an active internet connection. Restart your router and the Gateway.
- **No Synced Light:** This indicates the Gateway is not communicating with the LinkTap cloud server. Ensure the Internet light is green. If it is, check for any firewall settings on your router that might be blocking the Gateway's connection.
- **Device Connectivity Issues:** If individual LinkTap devices are not connecting to the Gateway, ensure they are within range and have fresh batteries. Refer to the placement tips for optimizing wireless coverage.
- **App Not Responding:** Close and reopen the LinkTap app. Ensure your smartphone has an active internet connection.

If problems persist after attempting these steps, please contact LinkTap customer support for further assistance.

9. WARRANTY & SUPPORT

For warranty information, product registration, or technical support, please refer to the official LinkTap website or contact LinkTap customer service directly. Keep your purchase receipt for warranty claims.