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› LinkTap G1S Wireless Water Timer & Gateway User Manual

LinkTap G1S Timer & Gateway (Models: TP-1BS, GW-02)

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Model: G1S Timer & Gateway (Models: TP-1BS, GW-02)

1. INTRODUCTION

The LinkTap G1S Wireless Water Timer and Gateway system provides smart, app-controlled irrigation for your garden. This system allows remote management of watering schedules, incorporates weather awareness, and offers anti-freeze protection. It is designed for efficient and convenient garden care, helping to reduce water usage while maintaining plant health.



Figure 1: LinkTap G1S Wireless Water Timer and Gateway in use.

2. SETUP GUIDE

2.1 Package Contents

- LinkTap G1S Wireless Water Timer
- LinkTap Gateway
- Power Adapter for Gateway
- Ethernet Cable for Gateway
- User Manual (this document)

2.2 Gateway Installation

1. Connect the Gateway to your internet router using the provided Ethernet cable.
2. Plug the power adapter into the Gateway and then into a power outlet.

3. Wait for the Gateway's indicator lights to show a stable connection (refer to the Gateway's specific LED indicators for status).

2.3 Water Timer Installation

1. Insert 4 AA alkaline or lithium batteries into the G1S Water Timer. Ensure correct polarity.
2. Attach the G1S Water Timer to your outdoor faucet. The aerospace-grade composite inlet ensures a leak-free seal without Teflon tape.
3. Connect your garden hose to the outlet of the G1S Water Timer.



Figure 2: LinkTap G1S Timer and Gateway components.

2.4 App Pairing

1. Download the LinkTap app from your device's app store (iOS or Android).
2. Open the app and create an account or log in.
3. Follow the in-app instructions to add your devices. This typically involves scanning the QR code located on the back of the G1S Water Timer. The devices will automatically connect to each other and the app.

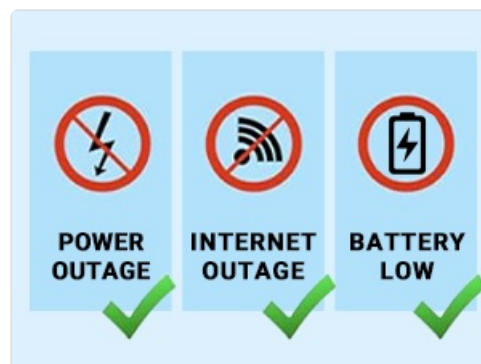


Figure 3: Scanning the QR code for quick device pairing.

Your browser does not support the video tag.

Video 1: Official LinkTap G1S Smart Wireless Water Timer overview and setup guide.

3. OPERATING INSTRUCTIONS

3.1 Watering Modes and Scheduling

- **Cloud Controlled Watering:** Manage your watering schedules from anywhere using the LinkTap app.
- **Flexible Scheduling:** Set up to 100 watering cycles per day, with durations ranging from 3 seconds to 24 hours per cycle.
- **Multiple Modes:** The app supports various watering modes including Instant, Interval, 7-Day, Odd-Even, Month, Calendar, and Master Valve modes.

Automatically



Increases watering by X%
Adds extra watering cycles



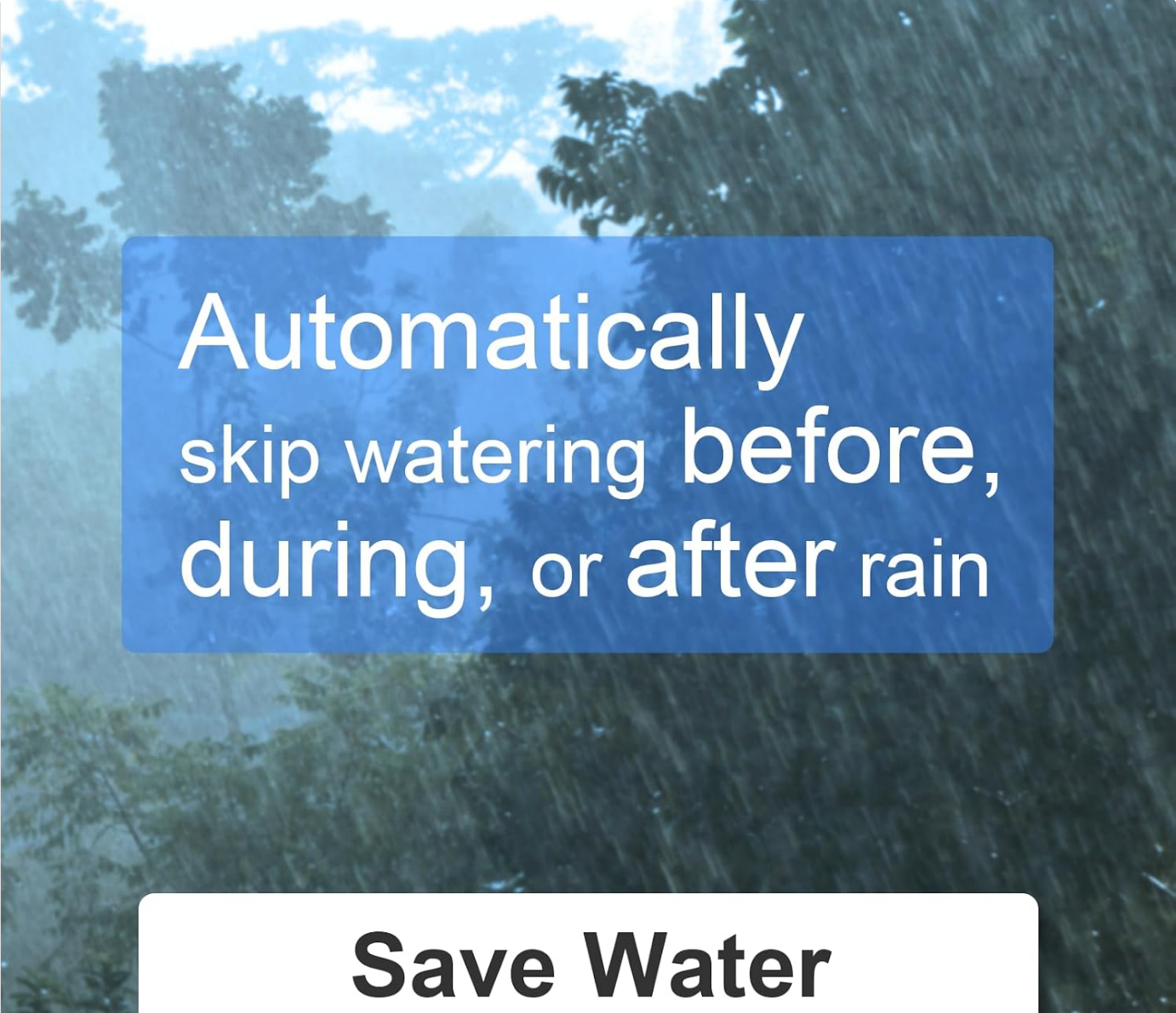
Reduces watering by Y%
Skips watering cycles

Temperature Adaptive Watering Set & Forget

Figure 4: Key features of the LinkTap G1S system.

3.2 Weather Awareness

- **Rain Skip:** The system can automatically skip scheduled watering cycles before, during, or after rain based on local weather forecasts, conserving water.
- **Temperature Adaptive Watering:** Adjusts watering duration based on temperature. Watering can be increased during hot periods and reduced or skipped during cooler periods.

A background image showing rain falling on green foliage. The rain is depicted as numerous white streaks against a dark green background of leaves and branches. The sky is visible at the top, showing blue and white clouds.

Automatically
skip watering before,
during, or after rain

**Save Water
with Rain Skip**

Figure 5: Automatic rain skip feature.



Smart Watering Anywhere Anytime



**2 Year
International Warranty**

Key Features

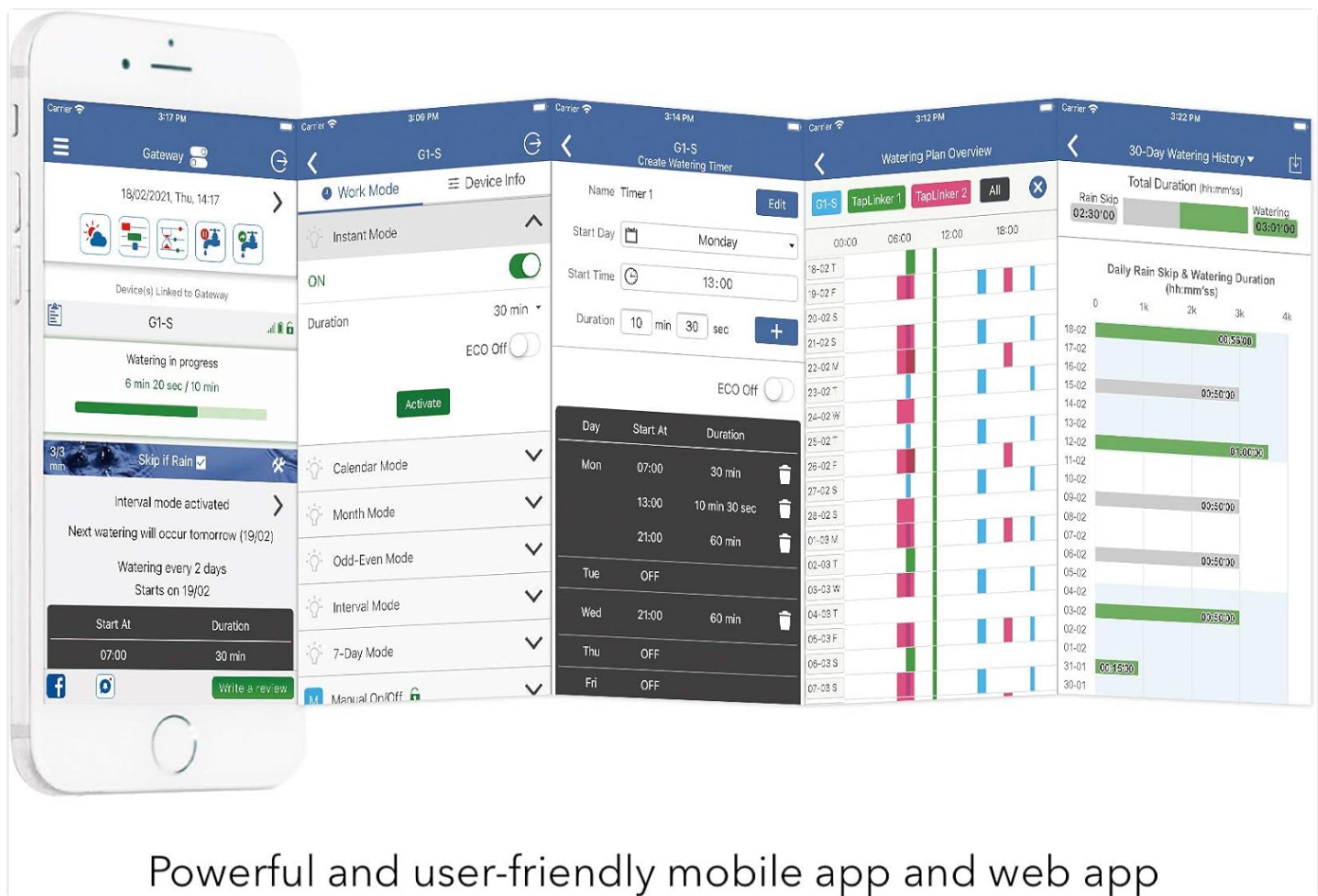
- Weather awareness
- 6 watering modes + ECO
- 2 times the range of Wi-Fi *
- 2 year battery life
- 2 minute easy setup
- Allow up to 100 watering cycles per day
- Watering duration ranges from 3 seconds to 24 hours
- Manual on/off button with digital lockout
- Real-time watering status & Rain skip notifications
- Control 15 water timers with one gateway

* Actual ranges may vary depending on environmental conditions

Figure 6: Temperature adaptive watering feature.

3.3 Manual Control and Notifications

- **Manual On/Off:** A physical button on the timer allows for manual activation or deactivation of watering. This can also be controlled via the app.
- **Real-time Notifications:** Receive instant alerts on your smartphone regarding watering status, rain skip activities, and system events.



Powerful and user-friendly mobile app and web app

Figure 7: User-friendly mobile app interface.

3.4 Expandable System

- One Gateway can control up to 15 LinkTap devices (timers, ValveLinkers, etc.), allowing for an expandable mesh network suitable for various garden sizes.
- The system utilizes a proprietary Zigbee protocol for wider and more reliable wireless coverage compared to Wi-Fi, while consuming less battery power.



Figure 8: Expandable mesh network for comprehensive coverage.

4. MAINTENANCE

4.1 Battery Replacement

The G1S Water Timer is designed for a 2-year battery life. When the battery level is low, you will receive a notification via the app. To replace batteries:

1. Unscrew the battery compartment cover on the back of the timer.
2. Remove the old batteries.
3. Insert 4 new AA alkaline or lithium batteries, ensuring correct polarity.
4. Securely reattach the battery compartment cover.



Figure 9: The G1S offers extended battery life.

4.2 Anti-Freeze Protection

The G1S features smart anti-freeze protection. It automatically opens the valve when temperatures drop below a preset threshold to prevent ice buildup and reduce the risk of pipe damage. No manual intervention is required for this feature.

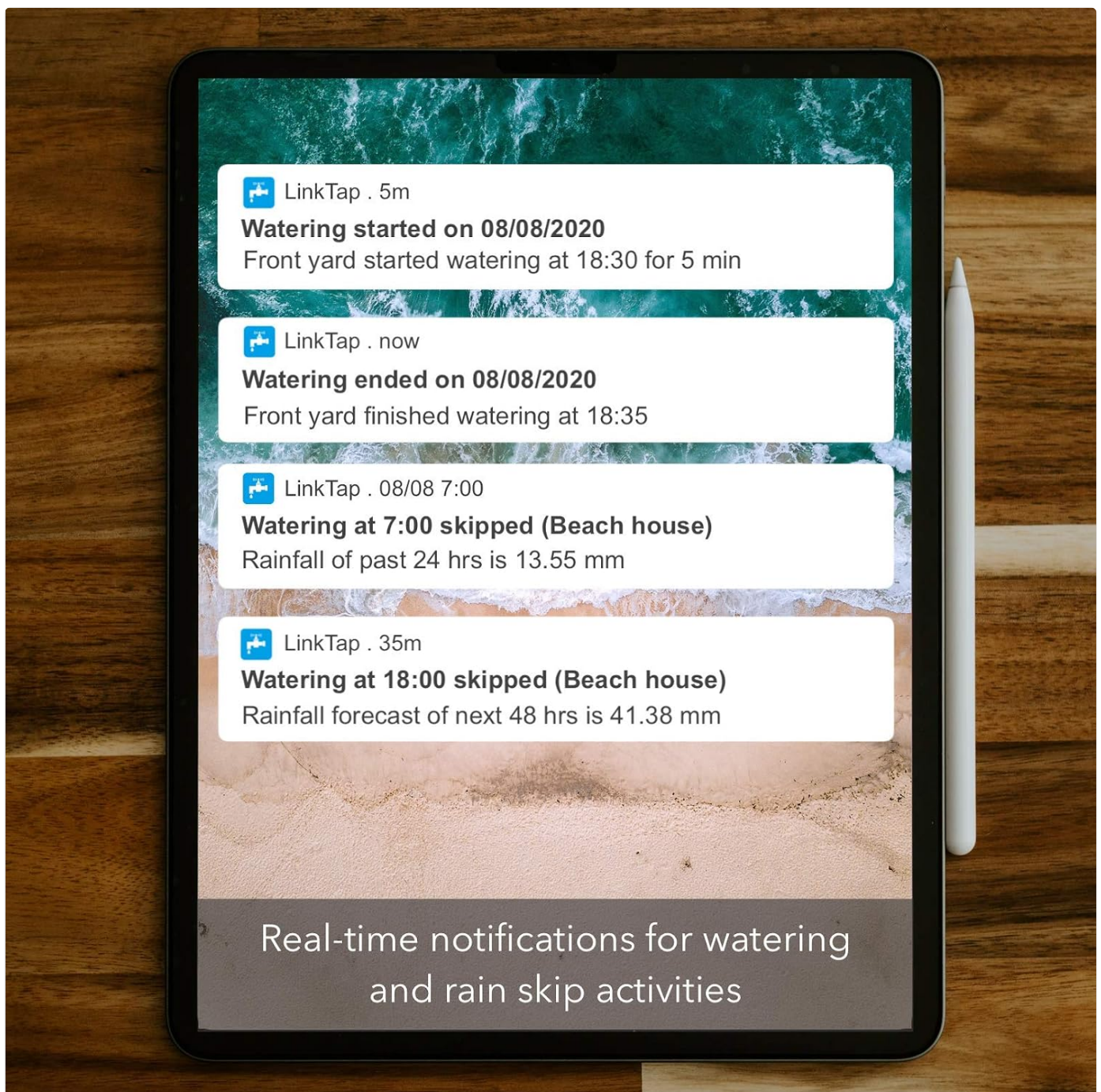


Figure 10: Smart Anti-Freeze Protection in action.

4.3 Durability and Water Resistance

The G1S Water Timer is built with a UV-resistant exterior and an IP66 waterproof design, protecting it against harsh weather conditions. The aerospace-grade composite inlet is 100% lead-free and rust-proof, ensuring long-term durability and preventing seizing to faucets.

5. TROUBLESHOOTING

5.1 Connectivity Issues

- **No Connection to Gateway:** Ensure the Gateway is powered on and connected to your router with a stable internet connection. Check the Gateway's LED indicators.
- **Timer Not Responding:** Verify the G1S Water Timer has fresh batteries. Check the distance between the timer and the Gateway; while Zigbee offers extended range, extreme distances or heavy obstructions can affect signal.

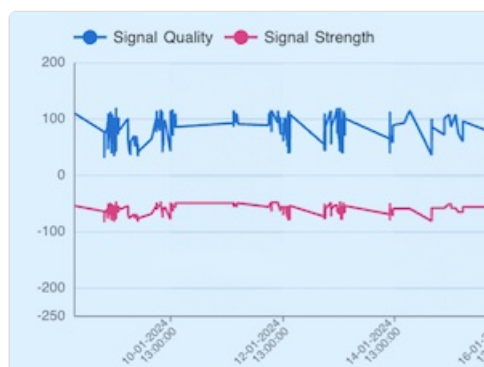


Figure 11: Monitoring signal quality and strength.

5.2 Watering Problems

- **Timer Not Watering:** Check scheduled programs in the app. Ensure rain skip or temperature adaptive features are not preventing watering. Verify water supply to the faucet.
- **Valve Not Opening/Closing:** If the valve appears stuck, check for debris in the water inlet. The anti-freeze protection may also temporarily open the valve in cold conditions.

5.3 Fault Detection and Notifications

The LinkTap system provides comprehensive fault detection and will send notifications for various issues, including:

- Device fall detection
- Valve failure
- Water cut-off
- Broken pipe detection
- Clogged pipe detection

Address any reported faults promptly to ensure optimal system performance.



Figure 12: System resilience against common issues.

6. SPECIFICATIONS

Feature	Specification
Brand	LinkTap
Model Numbers	TP-1BS (Timer), GW-02 (Gateway)
Material	Plastic (Aerospace-Grade Composite Inlet)
Product Dimensions (Timer)	2.8"D x 3.94"W x 4.13"H
Item Weight	460 Grams
Number of Settings	5 (Watering Modes)
Battery Life	Up to 2 years
Battery Type	4 x AA Alkaline or Lithium
Smart Home Compatibility	Yes (via app, voice control with Alexa/Google Home)
Waterproof Rating	IP66
Max Watering Cycles	100 per day
Watering Duration	3 seconds to 24 hours
Gateway Device Capacity	Up to 15 devices

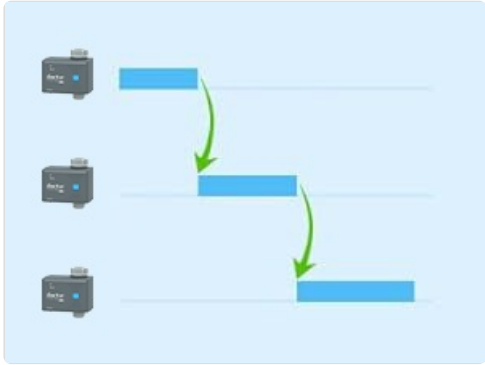


Figure 13: Smart Home Compatibility for voice control.

7. WARRANTY INFORMATION

The LinkTap G1S Wireless Water Timer and Gateway is covered by a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims or detailed terms and conditions, please refer to the official LinkTap website or contact customer support.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or general inquiries regarding your LinkTap G1S Wireless Water Timer and Gateway, please visit the official LinkTap website or contact LinkTap-US customer support. Contact information can typically be found on the product packaging or the LinkTap official website.

Online resources, including FAQs and additional guides, are available to help you maximize your product experience.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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