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BN-LINK Digital Infinite Repeat Cycle Timer User Manual

Model: 1

Introduction

This manual provides comprehensive instructions for the BN-LINK Digital Infinite Repeat Cycle Timer. This versatile 24-hour digital timer outlet offers 6 programmable modes, making it ideal for managing ON/OFF schedules and advanced automation in various indoor applications such as small greenhouses, grow lights, aquariums, and small irrigation systems. It is designed for energy saving and convenience, featuring a safe 3-prong grounded outlet.



Image: Front view of the BN-LINK Digital Infinite Repeat Cycle Timer, showing its digital display and control buttons.

Product Features

- **Versatile Digital Timer Outlet:** Offers 6 programmable modes for managing ON/OFF schedules or advanced automation.
- **Safe 3-Prong Outlet with Grounded Design:** Features a grounded 3-prong (15A/1875W) design for stable power delivery and safety with high-wattage devices.
- **Repeat Cycle Mode:** Allows customizable ON/OFF intervals in hours/minutes or minutes/seconds, suitable for automating irrigation pumps, misting systems, or aquarium filters.
- **24-Hour Daily Timer Mode:** Programs up to 3 daily ON/OFF schedules for various devices like lights, coffee makers, or holiday decorations.
- **Timer + Cycle Function:** Combines scheduled ON/OFF settings with repeat cycles to operate devices during specific hours, enhancing productivity.
- **Countdown Off + Cycle Function:** Provides a countdown period with repeating ON/OFF cycles, useful for precise air circulation or plant misting.
- **Countdown On/Off Mode:** Delays the start or stop of devices, ideal for safely managing heaters, charging electronics, or indoor fans without constant monitoring.

Setup Guide

Follow these steps to set up your BN-LINK Digital Infinite Repeat Cycle Timer:

1. **Initial Plug-in:** Plug the timer into a standard 125V/15A/1875W electrical outlet. The display will illuminate.
2. **Clear Settings (Optional):** To clear any previous settings, press the **RESET** button (if available, or refer to specific button for reset).
3. **Set Current Time:**
    - Press and hold the **TIMED** button until the time display flashes.
    - Use the **HOUR** and **MINUTE** buttons to adjust the current time.
    - Press **TIMED** again to save the current time.
4. **Connect Device:** Plug the device you wish to control into the timer's 3-prong outlet.



Image: The digital timer plugged into a wall outlet in a kitchen, demonstrating its compact size and how it integrates into a home environment.

Operating Modes

The BN-LINK Digital Timer offers multiple operating modes to suit various automation needs. Use the **MODE** button to cycle through the different functions.

1. 24-Hour Daily Timer Mode

This mode allows you to set up to 3 daily ON/OFF schedules for consistent control of your devices.

1. After setting the current time, press and hold **TIMED**.
2. Set daily ON/OFF times using the **HOUR** and **MINUTE** buttons.
3. Save by holding **TIMED** again.

4. Repeat the process to set up to 3 daily ON/OFF schedules.
5. Press **MODE** to activate **TIMED MODE**. The timer will then follow your set schedule.



Image: A visual representation of the 24-hour daily repeat function, showing three distinct ON/OFF programs for controlling grow lights for plants.

2. Repeat Cycle Mode (Continuous Cycle Mode)

This mode allows for continuous ON/OFF intervals with precision in hours/minutes or minutes/seconds.

1. After setting the current time, long press **CYCLE**.
2. Choose H:M (hours:minutes) or M:S (minutes:seconds) precision using the **MODE** button.
3. Set the ON/OFF durations using the **HOUR** and **MINUTE** buttons.
4. Press **MODE** to activate **CYCLE CONTINUOUS**. The timer will now automatically repeat the ON/OFF cycles.



Image: The digital timer plugged into an outlet next to an aquarium, illustrating its use in continuous cycle mode for automated hydration or filtration.

3. Timer + Cycle Function (Cycle in 24-Hour Timer)

This mode combines daily scheduling with repeat cycle functionality, allowing for cycles within specific timed periods.

1. Set your desired ON/OFF schedule and cycle durations as described in the 24-Hour Daily Timer Mode and Repeat Cycle Mode sections.
2. Press **MODE** to activate **CYCLE TIMED** mode. The timer will then execute the programmed cycles only during the scheduled ON periods.



Image: The digital timer connected to grow lights above plants, demonstrating the "Cycle in 24-Hour Timer" mode for scheduled and cyclical plant illumination.

4. Countdown Off + Cycle Function (Period Cycle Mode)

Automate ON/OFF cycles within a specific countdown period.

1. After setting the ON/OFF intervals for the cycle, press **MODE** to switch to **CYCLE PERIOD** mode.
2. Set the total duration for which the cycles should run using the **HOUR** and **MINUTE** buttons.
3. The timer will cycle ON and OFF as programmed for the set duration, then stop.



Image: The digital timer plugged into a wall outlet, controlling a standing fan, illustrating its use in "Period Cycle Mode" for timed operation.

5. Countdown On/Off Mode

This mode allows you to delay the start or stop of devices for a set period.

1. Press **TIMED** to enter Countdown mode.
2. Use the **HOUR** and **MINUTE** buttons to set the desired countdown duration.
3. The timer will count down and then either turn the device ON or OFF, depending on its initial state.



Image: The digital timer plugged into an outlet near a Christmas tree, demonstrating its "Countdown ON/OFF" feature for controlling holiday lights.

6. Always ON/OFF (Manual Override)

This mode allows you to manually turn the connected device ON or OFF, overriding any programmed schedules.

- Press the **MODE** button repeatedly until the display shows "ON" or "OFF" continuously, indicating manual control.
- The device will remain in this state until the mode is changed.

Specifications

Attribute	Value
Brand	BN-LINK
Model Number	1

Product Dimensions	3.2"D x 2.1"W x 1.5"H
Item Weight	4.6 ounces
Voltage	125V
Amperage	15A
Wattage	1875W
Number of Settings	10
UPC	810079589791

Troubleshooting

If you encounter issues with your BN-LINK Digital Infinite Repeat Cycle Timer, please refer to the following common troubleshooting steps:

- **Timer Not Turning On/Off:**
  - Ensure the timer is securely plugged into a live electrical outlet.
  - Verify that the connected device is properly plugged into the timer and is functional.
  - Check if the timer is in the correct operating mode (e.g.,**TIMED MODE**, **CYCLE CONTINUOUS**, etc.) and not in **MANUAL OFF**.
  - Confirm that the ON/OFF times or cycle durations are correctly programmed.
- **Display is Blank or Flickering:**
  - Unplug the timer for a few seconds and then plug it back in.
  - Ensure the outlet is providing power. Test with another device.
- **Difficulty Programming:**
  - Refer to the "Operating Modes" section and carefully follow the steps for the desired mode.
  - Press the **RESET** button (if applicable) to clear all settings and start fresh.
  - Ensure you are pressing and holding buttons for the correct duration as specified in the instructions.
- **Timer Not Holding Settings:**
  - This timer typically has an internal battery backup for settings. If settings are lost after a power outage, the battery might be low or depleted. Contact customer support if this persists.

If these steps do not resolve your issue, please contact BN-LINK customer support for further assistance.

Maintenance

To ensure the longevity and optimal performance of your BN-LINK Digital Infinite Repeat Cycle Timer, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect the timer from the power outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use abrasive cleaners, solvents, or immerse the timer in water.
- **Storage:** When not in use for extended periods, store the timer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Environment:** This timer is designed for indoor use only. Avoid exposing it to moisture, high humidity, or corrosive environments.

- **Overload Protection:** Do not exceed the maximum load capacity of 15A/1875W. Overloading can damage the timer and connected devices, and poses a fire hazard.

Warranty and Support

BN-LINK products are designed for reliability and performance. For warranty information and customer support, please refer to the following:

- **Warranty:** Specific warranty details are typically included with your product packaging or can be found on the official BN-LINK website. Please retain your proof of purchase for warranty claims.
- **Customer Support:** For technical assistance, troubleshooting, or any questions regarding your BN-LINK Digital Infinite Repeat Cycle Timer, please visit the official BN-LINK website or contact their customer service department.
- **Online Resources:** You may find additional FAQs, video tutorials, and product information on theBN-LINK Amazon Store or their official website.

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