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## BN-LINK BNE-60/U167

# BN-LINK Digital Timer Outlet User Manual

Model: BNE-60/U167

## INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your BN-LINK Digital Timer Outlet. This device is designed to automate the power supply to various indoor appliances, offering convenience and energy efficiency through programmable on/off schedules. Please read this manual thoroughly before using the product to ensure safe and optimal performance.

## SAFETY INSTRUCTIONS

To prevent personal injury or property damage, always observe basic safety precautions when using electrical appliances. This timer is rated for 125V, 60 Hz, 15A/1875W Resistive, 10A/1250W Tungsten, 1/2HP. Ensure the connected appliance's power requirements do not exceed these ratings.

- **Indoor Use Only:** This timer is designed for indoor use in dry locations. Do not expose it to water or moisture.
- **Electrical Rating:** Do not exceed the maximum load rating of 15 Amps or 1875 Watts. Overloading can cause overheating and fire.
- **Grounding:** This timer features a 3-prong grounded plug. Always plug it into a properly grounded 3-prong outlet.
- **High-Wattage Appliances:** When using with high-wattage appliances like space heaters (e.g., 1500 watts), exercise extreme caution:
  - Never plug the timer into an extension strip or surge protector when used with a heater.
  - Never plug the timer into an extension cord that is not rated for at least the heater's wattage.
  - Periodically inspect the appliance's plug and the timer's outlet for signs of deterioration (e.g., rough plastic, discolored prongs). Discontinue use if damage is observed.
  - Avoid leaving high-wattage appliances unattended when operating via the timer.
- **Cleaning:** Unplug the timer before cleaning. Use a dry cloth; do not use liquid cleaners.
- **Disassembly:** Do not attempt to disassemble or repair the timer. Refer all servicing to qualified personnel.

## PRODUCT OVERVIEW

The BN-LINK Digital Timer Outlet features a clear LCD display and intuitive buttons for easy programming. It includes a single 3-prong grounded outlet for connecting your appliances.



**Figure 1:** Front view of the BN-LINK Digital Timer Outlet, showing the LCD display, control buttons, and the single grounded outlet.



Figure 2: Side view of the BN-LINK Digital Timer Outlet with approximate dimensions: 4.72 inches (height), 2.68 inches (width), 1.47 inches (depth). The plug prongs extend 0.83 inches, with a 0.67 inch width.

### Components:

- **LCD Display:** Shows current time, day, program status (ON/OFF/AUTO), and programming details.
- **Buttons:**
  - **WEEK:** Selects days of the week for programming.
  - **HOUR:** Adjusts hour during time setting or programming.
  - **MIN:** Adjusts minute during time setting or programming.
  - **R (Reset):** Resets the timer.
  - **CLOCK:** Enters clock setting mode.
  - **PROG:** Enters program setting mode.
  - **MANUAL:** Toggles between ON, AUTO, and OFF modes.
  - **Reset Pin Hole:** For a hard reset using a pointed object.

- **3-Prong Grounded Outlet:** For connecting your appliance.
- **Internal Battery:** Maintains time and program settings during power outages or when unplugged.

## SETUP

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Before initial use, ensure the timer is charged for at least 30 minutes by plugging it into a live outlet. This charges the internal battery.

### Setting Current Time and Day:

1. Press the **CLOCK** button. The display will show the current time and day.
2. While holding **CLOCK**, press **WEEK** to select the current day of the week (MO, TU, WE, TH, FR, SA, SU).
3. While holding **CLOCK**, press **HOUR** to set the current hour. Pay attention to AM/PM.
4. While holding **CLOCK**, press **MIN** to set the current minute.
5. Release the **CLOCK** button. The time and day are now set.

### Daylight Saving Time Adjustment:

To adjust for Daylight Saving Time, simultaneously press the **HOUR** and **MIN** buttons. The time will advance or go back by one hour, and a small "+1h" indicator may appear on the display.

## OPERATING INSTRUCTIONS

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The timer allows for up to 8 ON/OFF programs, offering flexible scheduling options for individual days or preset day combinations.



## 7-DAY

Programmable  
Daily, One Specific Day,  
Weekday, Weekend,  
Sunday Excluded,  
Mo-We-Fr only,  
Tu-Th-Sa only and more

## 8 ON/OFF

Programms for timer

Figure 3: Display showing 7-day programmable options and the ability to set 8 ON/OFF programs.

### Programming ON/OFF Schedules:

1. Press the **PROG** button once. The display will show "1 ON". This is your first ON program.
2. Press **WEEK** repeatedly to select the desired day(s) for this program. Options include:
  - Individual days (MO, TU, WE, TH, FR, SA, SU)
  - All 7 days (MO TU WE TH FR SA SU)
  - Weekday (MO TU WE TH FR)
  - Weekend (SA SU)
  - Specific combinations (e.g., MO WE FR, TU TH SA, MO TU WE, TH FR SA, MO WE FR SU)
3. Press **HOUR** to set the hour for the "1 ON" time.
4. Press **MIN** to set the minute for the "1 ON" time.
5. Press **PROG** again. The display will now show "1 OFF". This is the corresponding OFF program for "1 ON".

6. Repeat steps 2-4 to set the day(s), hour, and minute for the "1 OFF" time.
7. Continue pressing **PROG** to cycle through "2 ON", "2 OFF", up to "8 ON", "8 OFF", setting each program as needed.
8. After setting all desired programs, press the **CLOCK** button to return to the current time display.



**Figure 4:** Examples of programmed schedules, such as turning on a coffee machine at 8:05 AM and off at 8:30 AM, or a toaster at 9:00 AM and off at 9:30 AM.

### Activating Programs (ON/AUTO/OFF Mode):

The **MANUAL** button (often labeled ON/AUTO/OFF) cycles through three operating modes:

- **ON:** The outlet is continuously ON, overriding all programmed schedules. The display will show "ON".
- **OFF:** The outlet is continuously OFF, overriding all programmed schedules. The display will show "OFF".
- **AUTO:** The timer operates according to the programmed ON/OFF schedules. The display will show "AUTO". This is the default mode for programmed operation.

To ensure your programs run, press the **MANUAL** button until "AUTO" is displayed.

## Random Function (Vacation Mode):

The "Random" mode is designed to make your home appear occupied when you are away. When activated, the timer will randomly turn ON and OFF the connected appliance within a window of time around your programmed schedules.

- To activate Random mode, press the **R** button. An "RND" indicator will appear on the display.
- To deactivate Random mode, press the **R** button again. The "RND" indicator will disappear.

This feature is particularly useful for lighting to deter potential intruders.



**Figure 5:** The Random Function helps protect your home by making it appear occupied, even when you are away, by randomizing programmed lights.

## MAINTENANCE

The BN-LINK Digital Timer Outlet requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **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 unit in water.
- **Storage:** If storing the timer for an extended period, ensure it is unplugged and kept in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery:** The internal battery is designed to retain settings during power interruptions. If the display becomes dim or resets frequently, plug the timer into a live outlet for several hours to recharge the battery.

## TROUBLESHOOTING

If you encounter issues with your BN-LINK Digital Timer Outlet, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Timer does not turn ON/OFF at programmed times.	Timer is not in "AUTO" mode. Incorrect program settings. Internal battery low.	Press <b>MANUAL</b> until "AUTO" is displayed. Review and re-enter program settings carefully. Plug the timer into a live outlet for at least 30 minutes to charge the internal battery.

Problem	Possible Cause	Solution
Display is blank or dim.	Timer is unplugged or power outage. Internal battery is depleted.	Ensure the timer is plugged into a live outlet. Allow the timer to charge for several hours. If the problem persists, the battery may need replacement (contact support).
Cannot set time or programs.	Buttons are unresponsive. User confusion with button functions.	Press the <b>R</b> (Reset) button using a pointed object (like a paperclip) to perform a hard reset. Then, re-set the time and programs. Refer to the "Setup" and "Operating Instructions" sections carefully, paying attention to which buttons to press and hold.
Appliance connected to timer does not work.	Appliance is not plugged in correctly. Appliance is faulty. Timer is in OFF mode.	Ensure the appliance is securely plugged into the timer's outlet. Test the appliance by plugging it directly into a wall outlet. Press <b>MANUAL</b> until "ON" or "AUTO" is displayed.

## SPECIFICATIONS

Feature	Detail
Model Number	BNE-60/U167
Operation Mode	ON-OFF-ON
Current Rating	15 Amps
Operating Voltage	125 Volts
Resistive Load	1875W
Tungsten Load	1250W
Horsepower (HP)	1/2 HP
Frequency	60 Hz
Connector Type	3-Prong Grounded Plug In
Control Method	Touch (Button)
Product Dimensions (L x W x H)	5 x 3 x 1 inches
Item Weight	5.8 ounces
Internal Battery	1 Unknown battery (included)
Country of Origin	China

## WARRANTY AND SUPPORT

BN-LINK products are manufactured with a focus on quality and safety. While specific warranty details are not provided in this manual, for any product inquiries, technical support, or warranty claims, please refer to the official BN-LINK website or

contact their customer service directly. You may also find additional resources, including a user guide PDF, on the product's Amazon listing page.

For further assistance, please visit the [BN-LINK Store on Amazon](#) or consult the [User Guide \(PDF\)](#).

## APPLICATIONS

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The BN-LINK Digital Timer Outlet is versatile and can be used with a wide range of indoor appliances to automate their operation, save energy, and enhance convenience. Ideal applications include:

- Lighting (lamps, holiday lights)
- Cooling systems (fans)
- Heating systems (small space heaters, coffee makers)
- Indoor sprinklers
- Humidifiers and dehumidifiers
- Aquariums (lights, filters)
- Nebulizers and ventilators
- Small kitchen appliances (toasters, slow cookers)
- Charging electronic devices (to prevent overcharging)



Figure 6: The timer is ideal for various applications such as controlling aquarium lights, humidifiers, espresso machines, and floor lamps.

## OFFICIAL PRODUCT VIDEOS

Based on the provided product data, there are no official seller-created videos available for embedding in this manual. Please refer to the product listing page on Amazon or the manufacturer's website for any available video demonstrations or tutorials.