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› HBN Digital Timer Socket User Manual

HBN BNC-50/G87

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Model: BNC-50/G87

PRODUCT OVERVIEW

The HBN Digital Timer Socket is designed to automate the power supply to your indoor electrical appliances. With its advanced programming capabilities, you can set precise on/off times, utilize a random function for security, and save energy. This device is ideal for controlling lighting, coffee machines, routers, and other household electronics.



Image: Front view of the HBN Digital Timer Socket, showing the LCD display and control buttons.

KEY FEATURES

- **Automatic On/Off:** Program up to 20 daily or weekly on/off cycles.
- **Flexible Programming:** Customize settings for specific days of the week or entire weeks.
- **Energy Saving:** Reduce electricity consumption by automatically turning off devices when not needed.
- **Random Function:** Simulate occupancy by randomly switching devices on and off, enhancing home security.
- **Countdown Function:** Set a specific countdown for device operation.
- **Summer/Winter Time Adjustment:** Easily switch between standard and daylight saving time.
- **LCD Display:** Clear digital display for easy programming and viewing.
- **Child Lock:** Prevents accidental changes to settings.
- **Backup Battery:** Internal rechargeable battery retains settings during power outages.
- **Continuous Operation:** Option for manual override to keep the device continuously on or off.



Image: Visual representation of the key features, including 20 programs, LCD, child lock, countdown, summer/winter time, backup battery, and continuous operation.

SAFETY INFORMATION

Please read and understand all safety instructions before using the HBN Digital Timer Socket. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- For indoor use only. Do not expose to rain or moisture.
- Do not exceed the maximum load capacity of 16A / 3680W. Overloading can cause overheating and fire.
- Do not connect devices that require continuous supervision, such as heaters or irons.
- Do not disassemble or modify the device. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Ensure the timer is fully inserted into the wall socket.

SETUP

Initial Setup

1. Plug the timer into a standard wall socket. The internal battery will begin charging. Allow approximately 10-15 minutes for the battery to charge sufficiently for initial programming.
2. To clear any previous settings and ensure proper operation, press the 'R' (Reset) button using a pointed object (e.g., a pen tip). The display will show '0:00' and all segments will flash.

Setting Current Time

1. Press and hold the **CLOCK** button.
2. While holding **CLOCK**, press the **WEEK** button repeatedly to select the current day of the week (MO, TU, WE, TH, FR, SA, SU).
3. While holding **CLOCK**, press the **HOUR** button repeatedly to set the current hour.
4. While holding **CLOCK**, press the **MIN** button repeatedly to set the current minute.

5. Release the **CLOCK** button. The time is now set.



Image: Examples of easy setup for automating devices like a coffee machine or an aquarium light, showing the timer display with programmed ON/OFF times.

OPERATING INSTRUCTIONS

Programming On/Off Times (Up to 20 Programs)

1. Press the **PROG** button. The display will show '1 ON'.
2. Press **WEEK** to select the desired day(s) for the first ON program. You can choose a single day, weekdays, weekends, or all 7 days.
3. Press **HOUR** to set the hour for the first ON program.
4. Press **MIN** to set the minute for the first ON program.
5. Press **PROG** again. The display will show '1 OFF'.
6. Repeat steps 2-4 to set the OFF time for the first program.
7. Press **PROG** again to move to the next program ('2 ON'). Repeat the process for up to 20 ON/OFF programs.
8. After setting all desired programs, press the **CLOCK** button to return to the current time display.



Image: An example of daily automation, showing a lamp turning ON at 19:30 and OFF at 22:30, illustrating the timer's ability to manage up to 20 different on/off programs per day.

Manual Override

The **MANUAL** button allows you to switch between different operating modes:

- **AUTO:** The timer operates according to the programmed settings.
- **ON:** The connected appliance is continuously on, overriding all programs.
- **OFF:** The connected appliance is continuously off, overriding all programs.

Press the **MANUAL** button repeatedly to cycle through these modes until the desired mode is displayed.



Image: Illustrates the three easy steps for automation: setting the current time, setting the schedule, and activating the automatic mode by switching from 'OFF' to 'AUTO'.

Random Function (Anti-Theft Mode)

The random function is designed to simulate occupancy when you are away, deterring potential intruders. When activated, the timer will randomly turn the connected appliance on and off within a specific time window.

1. Press the **RND** button to activate the random function. 'RND' will appear on the display.
2. To deactivate, press the **RND** button again. 'RND' will disappear from the display.



Image: Shows the timer socket in a home setting with a family leaving for vacation, highlighting the random function as a security feature to make the home appear occupied.

Countdown Function

The countdown function allows you to turn an appliance on or off after a set period.

1. Press the **COUNTDOWN** button (if available, or refer to specific button for countdown).
2. Use **HOURL** and **MIN** buttons to set the desired countdown duration.
3. Press the **START/STOP** button (or similar) to begin the countdown.

Summer Time Adjustment

To adjust the time for daylight saving (summer time):

1. Press the **+1h** button (or similar, often combined with CLOCK).
2. The time will advance by one hour, and a '+1h' indicator will appear on the display.
3. To revert to standard time, press the **+1h** button again. The indicator will disappear.

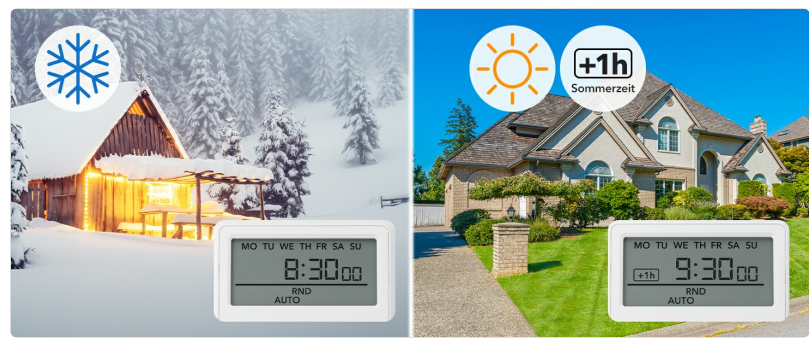


Image: Depicts the timer's ability to adjust for summer and winter time, showing a house in a snowy landscape for winter and a sunny landscape for summer, with the '+1h' indicator for summer time.

MAINTENANCE

- **Cleaning:** Disconnect the timer from the power outlet before cleaning. Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the timer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery:** The internal rechargeable battery is designed for long life. If the display becomes dim or blank, plug the timer into a live socket to recharge the battery.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer not turning appliance on/off as programmed.	Incorrect programming; Timer is in ON or OFF manual mode; Power outage; Appliance is not working.	Review programming steps carefully; Ensure timer is in 'AUTO' mode; Check power supply to the socket; Test the appliance directly in a wall socket.
Display is blank or dim.	Internal battery is low or depleted; No power to the socket.	Plug the timer into a live socket for at least 15 minutes to charge the internal battery; Check the wall socket with another appliance.
Random function not working.	Random function not activated; Timer is not in AUTO mode.	Press the 'RND' button to activate; Ensure the timer is set to 'AUTO' mode.

Problem	Possible Cause	Solution
Buttons are unresponsive.	Child lock is active; Device malfunction.	Press and hold the 'MANUAL' button for 3 seconds to deactivate child lock (if applicable); Perform a full reset using the 'R' button. If problem persists, contact support.

SPECIFICATIONS

- **Model Number:** BNC-50/G87
- **Brand:** HBN
- **Voltage:** 230V~50Hz
- **Maximum Load:** 16A / 3680W
- **Color:** White
- **Dimensions (L x W x H):** Approximately 5cm x 5cm x 10cm (5T x 5B x 10H cm)
- **Item Weight:** 190g
- **Number of Programs:** Up to 20 ON/OFF programs
- **UPC:** 810079581092



Image: Displays the physical dimensions of the timer socket (height, width, depth) and highlights key specifications such as max load, fire-resistant material, and child lock.

WARRANTY AND SUPPORT

HBN products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the product packaging or the retailer's website where the product was purchased. If you encounter any issues or require technical assistance, please contact HBN customer support through the official brand store or the contact information provided with your purchase. Please have your model number (BNC-50/G87) and purchase details ready when contacting support.

For more information, visit the [HBN Brand Store](#).

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.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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