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## HBN 2xBNC-50/G87

# HBN Digital Timer Switch User Manual

Model: 2xBNC-50/G87

## INTRODUCTION

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The HBN Digital Timer Switch is designed to automate the power supply to your electrical appliances, helping you save energy and enhance convenience. With up to 20 programmable ON/OFF settings per day, a weekly timer, countdown, and random functions, this device offers versatile control for various indoor applications. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and safety.



Image: Two HBN Digital Timer Switches, illustrating the compact design and digital display.

## SAFETY INFORMATION

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Please read and understand all safety instructions before using the HBN Digital Timer Switch. 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 16 A / 3680 W. Overloading can cause overheating and fire.
- Do not disassemble or modify the device. Refer all servicing to qualified personnel.
- Ensure the timer is securely plugged into a grounded outlet.
- Keep out of reach of children. The device features a child lock for added safety.
- Unplug the timer from the power outlet before cleaning.
- Avoid using with appliances that require continuous supervision, such as heaters without thermostats.

# Überladeschutz



Image: The timer switch illustrating its overload protection feature, suitable for charging devices.

## PRODUCT FEATURES

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- **Automatic ON/OFF:** Program up to 20 minute-accurate switching times per day.
- **Flexible Scheduling:** Set programs for specific days, weekdays, weekends, or entire weeks.
- **Energy Saving:** Automate devices to turn off reliably, reducing energy consumption.
- **Random Function:** Randomly switches connected devices ON/OFF to simulate presence, enhancing home security.
- **Countdown Function:** Set a specific countdown period for device operation.
- **Large LCD Display:** Clear and easy-to-read digital display.
- **Child Lock:** Prevents accidental changes to settings.
- **Backup Battery:** Internal rechargeable battery retains settings during power outages.
- **Daylight Saving Time (DST):** Easy adjustment for summer/winter time.
- **Versatile Applications:** Ideal for lighting, routers, indoor fountains, coffee machines, TVs, and more.



Bis zu 20  
Schaltprogramme



LCD-Display



Kindersicherung



Countdown-  
Funktion



Sommer-/  
Winterzeit



Back-Up-Akku



Dauerbetrieb  
möglich

Image: Key features of the HBN Digital Timer Switch, including its 20 programs and backup battery.

## PACKAGE CONTENTS

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- 2 x HBN Digital Timer Switches
- 1 x User Manual

## SETUP

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### Initial Preparation

1. **Unpack:** Carefully remove the timer switch from its packaging.
2. **Initial Charge:** Before first use, plug the timer into a live power outlet for at least 30 minutes to charge the internal backup battery. This ensures settings are retained during power outages.
3. **Reset:** If the display is blank or shows abnormal characters, or if you wish to clear all previous settings, insert a small, non-metallic pointed object (like a toothpick) into the "R" (Reset) hole and press the button firmly. The display will show "0:00" and all programs will be cleared.

# Produkt-Details

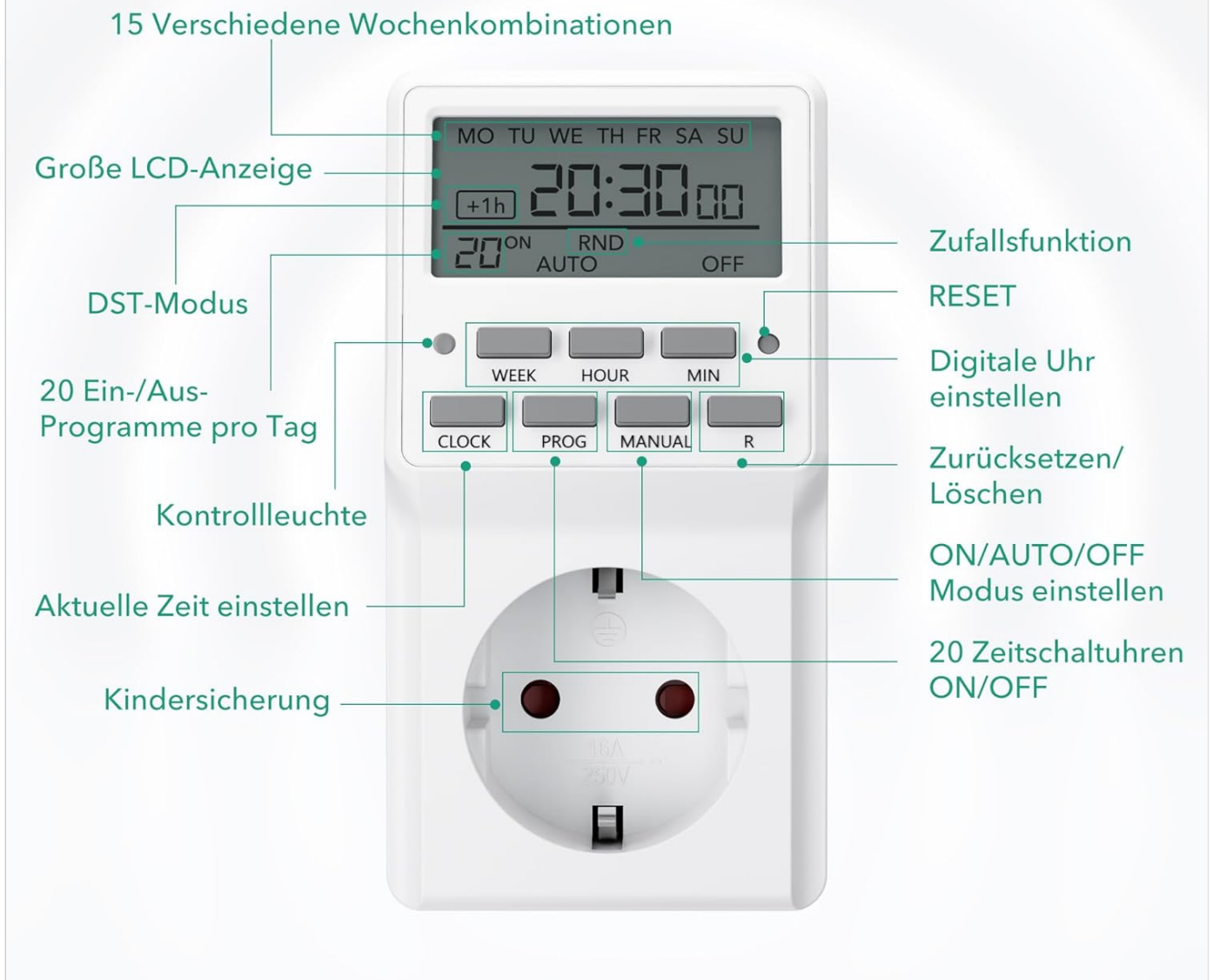


Image: A detailed view of the timer switch, highlighting the "R" (Reset) button and other controls.

## OPERATING INSTRUCTIONS

### 1. Setting the Current Time

1. Press and hold the **CLOCK** button.
2. While holding **CLOCK**, press the **WEEK** button repeatedly until the correct day of the week is displayed (MO, TU, WE, TH, FR, SA, SU).
3. While holding **CLOCK**, press the **HOUR** button repeatedly until the correct hour is displayed.
4. While holding **CLOCK**, press the **MIN** button repeatedly until the correct minute is displayed.
5. Release the **CLOCK** button. The current time is now set.

### 2. Programming ON/OFF Times

The timer allows up to 20 ON/OFF programs. Each program consists of an ON time and an OFF time.

1. Press the **PROG** button once. The display will show "1 ON" and "0:00". This is your first ON program.

2. Press the **WEEK** button to select the desired day(s) for this program. Options include:
  - Individual days (MO, TU, WE, etc.)
  - Groups of days (MO TU WE TH FR SA SU, MO TU WE TH FR, SA SU, MO TU WE TH FR SA, MO WE FR, TU TH SA, MO TU WE, TH FR SA, MO WE FR SU)
3. Press the **HOUR** button to set the desired hour for "1 ON".
4. Press the **MIN** button to set the desired minute for "1 ON".
5. Press the **PROG** button again. The display will show "1 OFF" and "0:00". This is your first OFF program.
6. Repeat steps 2-4 to set the day(s), hour, and minute for "1 OFF".
7. Press the **PROG** button to cycle through and set additional programs (2 ON, 2 OFF, etc.) up to 20 programs.
8. After setting all desired programs, press the **CLOCK** button to return to the current time display.
9. Ensure the timer is in **AUTO** mode for programs to run. Press **MANUAL** repeatedly until "AUTO" is displayed.



Image: The timer display showing a programmed ON time, illustrating the capacity for 20 programs.

### 3. Using the Random Function (RND)

The Random function is useful for simulating presence when you are away, by randomly switching connected lights or appliances ON/OFF within a set period.

1. Press the **RND** button. "RND" will appear on the display.
2. In Random mode, the timer will turn ON and OFF randomly within a window of 10-31 minutes between 6:00 PM and 5:59 AM.
3. To deactivate the Random function, press the **RND** button again. "RND" will disappear from the display.

# Zufälliger Urlaubsmodus

## Verbessert die Sicherheit zu Hause



Aktivieren Sie "**Zufällig**", um Ihre Lichter nach Belieben ein- und auszuschalten, damit Ihr Zuhause auch bei Abwesenheit bewohnt wirkt.

Image: The timer switch demonstrating its random function, useful for simulating occupancy while on holiday.

### 4. Using the Countdown Function

The Countdown function allows you to set a specific duration for the connected appliance to remain ON or OFF.

1. Press the **PROG** button until you reach the countdown setting (usually after all 20 programs). The display might show "CD ON" or "CD OFF".
2. Use the **HOUR** and **MIN** buttons to set the desired countdown duration.
3. Press **MANUAL** to activate the countdown. The timer will count down and then switch the appliance accordingly.
4. To cancel, press **MANUAL** again or reset the timer.

### 5. Manual Override (ON/AUTO/OFF)

You can manually switch the timer's output between ON, AUTO, and OFF modes.

- Press the **MANUAL** button repeatedly to cycle through the modes:
  - **ON**: The connected appliance will remain ON continuously, overriding all programs.

- **AUTO:** The timer will follow the programmed ON/OFF times. This is the standard operating mode.
- **OFF:** The connected appliance will remain OFF continuously, overriding all programs.

## 6. Daylight Saving Time (DST) Adjustment

To adjust the time for Daylight Saving (Summer/Winter Time):

- Press the **+1h** button once. The display will show "+1h" and the time will advance by one hour.
- Press the **+1h** button again to revert to standard time. The "+1h" indicator will disappear.



Image: The timer display illustrating the easy adjustment for Daylight Saving Time.

## MAINTENANCE

- **Cleaning:** Unplug the timer from the power outlet before cleaning. Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or immerse the device 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.
- **Battery Life:** The internal backup battery is designed for long life. If the display frequently goes blank or settings are lost, ensure the timer is regularly plugged in to charge the battery.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or shows abnormal characters.	Internal battery is low or unit needs reset.	Plug the timer into a live outlet for at least 30 minutes to charge. Press the "R" (Reset) button with a pointed object.
Programs are not running.	Timer is not in AUTO mode. Incorrect program settings.	Press the <b>MANUAL</b> button until "AUTO" is displayed. Recheck your programmed ON/OFF times and ensure they are correctly set for the desired days.
Appliance does not turn ON/OFF at programmed times.	Appliance is not properly connected or is faulty. Timer is overloaded.	Ensure the appliance is securely plugged into the timer and is functional. Check if the appliance's power consumption exceeds 3680 W.
Random function not working.	Random function not activated.	Press the <b>RND</b> button until "RND" appears on the display.

## SPECIFICATIONS

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Attribute	Value
Brand	HBN
Model Number	2xBNC-50/G87
Colour	White
Material	Plastic
Max Load	16 A / 3680 W
Voltage	230V~50Hz
Number of Programs	Up to 20 ON/OFF programs
Dimensions (approx.)	11.7 cm (H) x 6.3 cm (W) x 3.3 cm (D)
Item Weight	350 g
UPC	810079581115

# Stabilität und Verlässlichkeit



11.7cm

6.3cm



3.3cm



16A/3680W  
Max



Feuerfestes  
Material



Kindersicherung

Image: Dimensions of the HBN Digital Timer Switch for reference.

## WARRANTY AND SUPPORT

HBN products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official HBN brand store on Amazon:

**Visit the HBN Store on Amazon**

Please have your model number (2xBNC-50/G87) and purchase details ready when contacting support.

