NEXA WBD-01 Smart Built in Dimmer Instruction Manual

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NEXA WBD-01 Smart Built in Dimmer

Specifications

- **Input:** 220-240 V~50 Hz
- **Last:** WiFi 802.11 n HT40: 2422-2462 MHz, 9.6 dBm Max.
- **BLE:** 2402-2480 MHz 4.37 dBm Max.
- **System Nexa:** 433.92 MHz (only reception)
- **Memory slots:** 32 (System Nexa)
- **Operating temperature:** IP20, indoor use
- **Dimensions:** 47 x 47 x 18 mm

Product Usage Instructions

Before Installation

Download the Nexa Home app. You will need the app and an internet connection to install your receiver.

Installation

Important! Allow Bluetooth access during installation. The button must blink green during installation. If not, refer to the Troubleshooting section.

1. Open the app and press the + in the top right corner.
2. Insert your Smart Plug into the power socket.
3. Once the receiver is found, select Continue and follow the instructions in the app.

Control

In addition to control via the app, you can also use Remote Control, Wall Transmitter, and Sensor from System Nexa.

1. Open the app and select the receiver you want to pair with a transmitter.
2. Choose Remote Controls.
3. Follow the instructions in the app for pairing.

Features

Scheduling: Create schedules to turn on/off or dim at specific times, days, or based on sunrise/sunset.

1. Open the receiver in the app.
2. Select Schedules and configure the desired settings.

Timers: Set timers to automatically turn the receiver on/off after a certain time.

1. Open the receiver in the app.
2. Select Timer and set the time interval.

Settings for Your Receiver

- **Connected thing:** Choose an icon that represents the type of device connected to your receiver.
- **Emoji-Icon:** Choose an emoji to replace the icon under Connected thing.
- **Room:** Organize receivers by room to manage devices in larger homes more easily.
- **Network:** View details about the device's network connection and remove the Wi-Fi connection if necessary.
- **State after power loss:** Set the receiver's state after a power outage. The default is Previous Mode.
- **Show more device settings:** Additional settings for your receiver are available.

More Device Settings

Disable physical button: Disables the on/off function via the receiver's button.
Turn off LED: Disables the receiver's LED indicator.
Use local security: Adds extra security to communication with devices in the network using a security key.

Hearing Impaired Awareness

When the receiver receives an ON signal from a System Nexa transmitter (doorbell), the connected lamp will blink for 4 seconds to alert you that someone is at the door.

INTRODUCTION

WBD-01

smart built-in receiver, dimmer with input for a light switch.

BEFORE INSTALLATION

Download the Nexa Home app. You will need the app and an internet connection to install your receiver.

- https://nexa.help/manual/ios
- https://nexa.help/manual/android

INSTALLATION

- **Important!** Allow Bluetooth access during installation. Without this, the receiver cannot be added.
- The button must always blink green during installation. If not, refer to the ”Troubleshooting” section.
    1. Open the app and press the “+” in the top right corner.
    2. Insert your Smart Plug into the power socket.
    3. Once the receiver is found, select Continue and follow the instructions in the app.

CONTROL

- In addition to control via the app, you can also use.
- Remote Control, Wall Transmitter, Sensor from System Nexa.
    1. Open the app and select the receiver you want to pair with a transmitter.
    2. Choose ”Remote Controls.”
    3. Follow the instructions in the app.
- View System Nexa remote controls
- View System Nexa wall transmitters
- View System Nexa sensors

Pairing a Remote Control without the app

- Long press on the Function button on the receiver.
- Hold until the LED blinks green, then release.
- Press ON for the desired channel to pair or OFF to delete the pairing.

FEATURES

Scheduling

Create schedules to turn on/off or dim at specific times, days, or based on sunrise/sunset.

1. Open the receiver in the app.
2. Select Schedules and configure the desired settings.

Timers

Set timers to automatically turn the receiver on/off after a certain time.

1. Open the receiver in the app.
2. Select Timer and set the time interval.

TROUBLESHOOTING

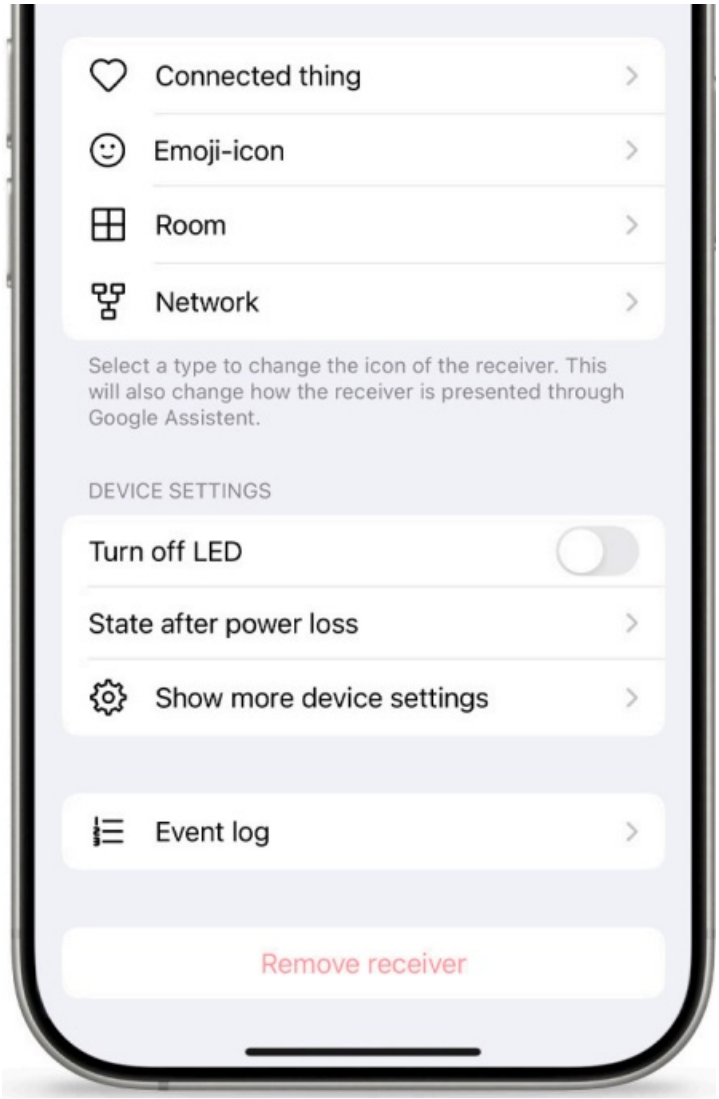
- **The button blinks red:** Your receiver is installed and attempting to connect to Wi-Fi.
- Ensure your Wi-Fi is within range of the receiver. If you've replaced your Wi-Fi router, you may need to perform a factory reset.
- If the plug doesn't appear in the app, perform a factory reset and reinstall.
- If switching Wi-Fi routers, see our FAQ for the best approach.

Factory Reset

- Long press on the Function button.
- Hold until the LED blinks red and then lights steadily.
- All settings will be erased.

SAFETY

- Hire an electrician/electrical installer for the installation of built-in receivers.
- Do not connect lamps or devices exceeding the receiver's maximum load. This could result in malfunction, short circuit, or fire.
- Never use Nexa products with life-supporting equipment or devices where faults or disruptions could be life-threatening.
- Do not attempt to repair the product yourself.
- Dispose of the product if it shows visible signs of damage.



SETTINGS FOR YOUR RECEIVER

- Access these settings via the gear icon when entering the respective receiver.

Connected thing

- Choose an icon that represents the type of device connected to your receiver.

Emoji-Icon

- Choose an emoji to replace the icon under Connected thing.

Room

- Organize receivers by room to manage devices in larger homes more easily.

Network

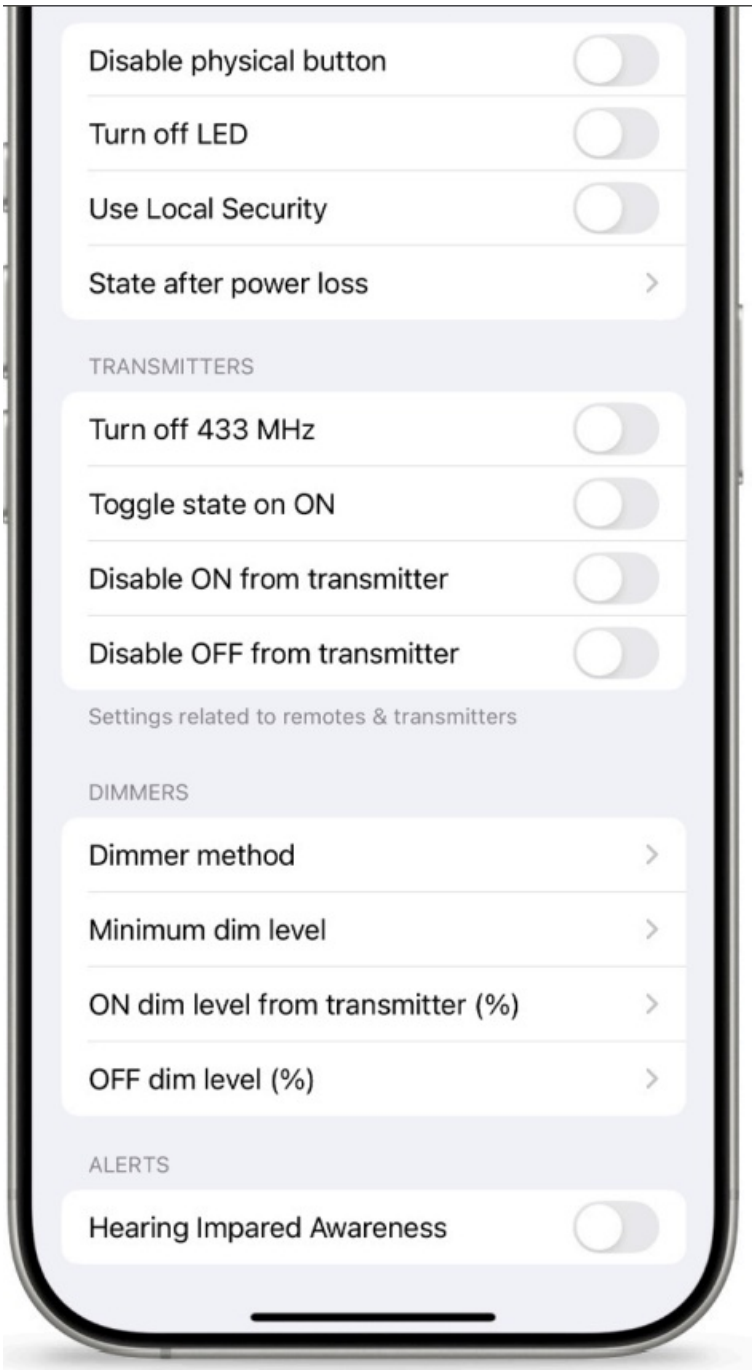
- View details about the device’s network connection and remove the Wi-Fi connection if necessary.

State after power loss

- Set the receiver’s state after a power outage. The default is ”Previous Mode” (starts in the same state as before the outage).

Show more device settings

- Additional settings for your receiver are on the next page.



MORE DEVICE SETTINGS

Disable physical button

- Disables the on/off function via the receiver’s button.

Turn off LED

- Disables the receiver’s LED indicator.

Use local security

- Adds extra security to communication with devices in the network using a security key. Note: Activating this will disable Google Assistant control for the device.

Turn off 433 MHz

- Disables control of the receiver via a System Nexa transmitter.

Toggle state on ON

- The receiver toggles between on/off when receiving an ON signal from a System Nexa transmitter. Note: This requires that “Disable 433 MHz” is not activated.

Disable ON from transmitter

- The receiver only responds to an OFF signal from a System Nexa transmitter. Note: This requires that “Disable 433 MHz” is not activated.

Disable OFF from transmitter

- The receiver only responds to an ON signal from a System Nexa transmitter. Note: This requires that “Disable 433 MHz” is not activated.

FOR DIMMER RECEIVERS ONLY

Dimmer method

- **Trailing Edge:** Used for most types of loads, such as LED, halogen, incandescent bulbs, electronic transformers, and LED drivers.
- **Leading Edge:** Used for conventional transformers.

Minimum dim level

- Set a minimum level where the lighting remains stable and doesn’t flicker.

ON dim level from transmitter (%)

- Set the dimming level desired when an ON signal is received from a transmitter. Note: This requires that “Disable 433 MHz” is not activated.

OFF dim level (%)

- Set the dimming level desired when an OFF signal is received from a transmitter. Note: This requires that “Disable 433 MHz” is not activated.

Hearing impaired awareness

- When the receiver receives an ON signal from a System Nexa transmitter (doorbell), the connected lamp will blink for 4 seconds to alert you that someone is at the door.

- **Note:** This requires that “Disable 433 MHz” is not activated.

MAINTENANCE INSTRUCTIONS

- Clean the product with a dry cloth. Never use chemicals, solvents, or harsh cleaning agents.
- Do not expose the product to extreme heat or cold, as this may damage or shorten the lifespan of its electronic circuits.

RECYCLING

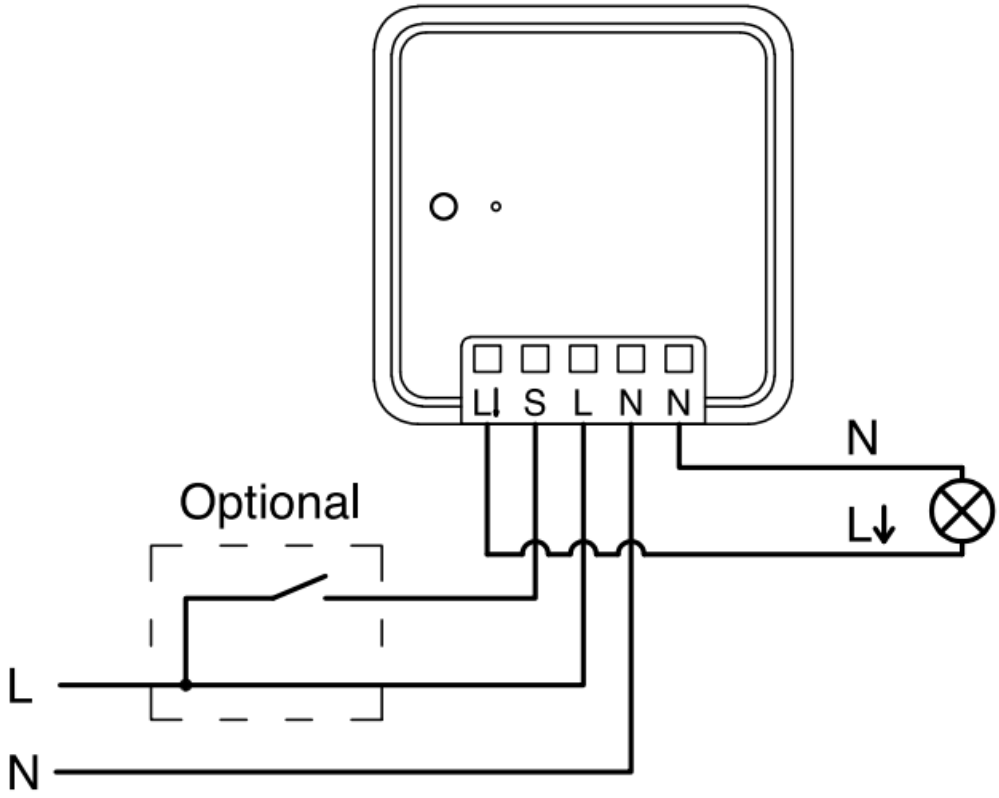
- This product should be disposed of as electronic waste and taken to a recycling center or collection point for electronics. Follow local regulations for proper disposal.

TECHNICAL DATA

(WBD-01)

Power supply	220-240 V~50 Hz
Load	3-250W Incand. lamp/3-75W LED
WiFi	**802.11 b/g/n:** 2412 – 2472 MHz **802.11 n HT40:** 2422-2462 MHz 9.6 dBm Max
BLE	2402-2480 MHz 4.37 dBm Max.
System Nexa	433.92 MHz (reception only)
Memory slots	32 (System Nexa)
Power consumption	< 0,5W
Operating temperature	0–40°C
IP rating	IP20, indoor use
Dimension (WxHxD)	47 x 47 x 18 mm

WIRING DIAGRAM



- **NEXA TRADING AB**
- support@nexa.se
- www.nexa.se

FAQ

- **Q: How do I reset the WBD-01 smart built-in dimmer?**
  - **A:** To reset the dimmer, press and hold the reset button for 10 seconds until the LED indicator flashes rapidly.
- **Q: Can I use multiple WBD-01 dimmers in different rooms?**
  - **A:** Yes, you can use multiple dimmers in different rooms and organize them within the app by room for easy management.

Documents / Resources

	NEXA WBD-01 Smart Built in Dimmer [pdf] Instruction Manual WBD-01, WBD-01 Smart Built in Dimmer, Smart Built in Dimmer, Built in Dimmer, Dimmer

References

- Startsidan - NEXA
- Nexa Home - Apps on Google Play
- System Nexa fjärrkontroller - NEXA
- System Nexa sensorer - NEXA
- System Nexa väggsändare - NEXA
- User Manual

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