



NEXUS

MANUAL
GUIDE

Nexus Watch Winder

User Manual

Introduction

Thank you for choosing Nexus Watch Winder.

Nexus products are designed with a focus on precision, silent operation, premium craftsmanship, and proper care for automatic mechanical watches. Equipped with a precision stepper motor, intelligent control system, and integrated Wi-Fi connectivity, Nexus delivers a refined and modern winding experience.

Safety Instructions

- Use only a standard 5V/2A power adapter.
- Keep the device away from moisture and direct sunlight.
- Do not disassemble the device.
- Designed exclusively for automatic mechanical watches.
- Turn the device off before moving it.
- Avoid applying excessive pressure to the watch holder.

Display & Controls

In standby mode, the display shows the current time.

To navigate the menu:

- Rotate the knob to browse options.
- Press the knob once to select.
- Rotate again to adjust values.

Status

Operating modes:

- ON
Normal operating mode.
- OFF
Disables the device.

- **NIGHT MODE**

The winder operates only during the configured night cycle.

During Night Mode, the device performs one-third of the daily programmed rotations within an 8-hour period. This mode is ideal for watches worn regularly throughout the day.

TPD (Turns Per Day)

Adjusts the daily rotation count.

The device supports 1–9000 TPD, though most automatic watches typically require between 500 and 2000 TPD.

Excessive TPD settings beyond manufacturer recommendations may cause long-term wear to the movement.

Please consult your watch manufacturer for the recommended setting.

DIR (Direction)

Rotation direction settings:

- CW : Clockwise
- CCW : Counter-Clockwise
- Bi-Directional : Both directions

The correct rotation direction depends on your watch movement.

Night

Sets the starting time for Night Mode.

The device automatically calculates and displays the ending time of the 8-hour cycle.

Example:

22:00 → 06:00

Calibration

If the motor stops in an incorrect position after power interruption or unexpected shutdown, use Calibration to realign the mechanism.

IP

Displays the device IP address on the local network.

Wi-Fi Setup

The device includes a built-in Wi-Fi Access Point.

To connect:

1. Search for the Wi-Fi network named:
Nexus Watch Winder
2. Connect using the default password:
12345678
3. Open your browser and enter:
192.168.4.1
4. Enter your router SSID and password if desired.

The device can also operate independently without connecting to a router.

After connecting to a local network:

- The new IP address will be shown in the IP menu.

- Use that address to access the web control panel.

After saving settings, select Restart.

Operating Principle

Nexus Watch Winder operates in intelligent cycles.

The device performs a small number of rotations (such as 10 or 20 turns), followed by a calculated resting interval.

Rest duration is automatically adjusted according to the selected TPD value.

This method reduces motor wear and provides a more natural winding pattern for mechanical movements.

Troubleshooting

Device does not power on

- Check the power connection.
- Verify the adapter is functioning properly.

Unable to connect to Wi-Fi

- Restart the device.
- Move closer to the device.
- Ensure you are connected to the correct network.
- Reconfigure Wi-Fi settings if necessary.

Motor stops in incorrect position

Use the Calibration menu to realign the mechanism.

Watch does not remain wound

The watch movement may require servicing. Please contact an authorized watch technician.

Web panel does not open

- Verify Wi-Fi connection.
- Check the displayed IP address.
- Reload the browser page.

Technical Specifications

- Motor Type: Precision Stepper Motor
- Connectivity: Integrated Wi-Fi
- Power Input: 5V / 2A
- Power Consumption: Less than 1A
- Body Material: Natural Wood
- Finish: Natural Oil & Wood Finish
- Control Interface:
 - Display
 - Web Panel

Adjustable Functions:

- TPD
- Rotation Direction
- Night Mode

- Calibration

Support & Contact

Website: Nexuscrft.com

Instagram: [@Nexuscrft](https://www.instagram.com/Nexuscrft)