

Copper Cable Tracker – LNT-CCT

Installation Instructions



MODELS

LNT-CCT	Copper Cable Tracker
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COMPATIBLE WITH

LNT-LST-G	Pro Light Source (1310, 1490, 1550)
LNT-OPM-CH	Choice Copper Power Meter
LNT-OPM-CX	Choice Dual XG-PON and GPON Power Meter
LNT-OPM-PX	Pro XG-PON Power Meter

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**Warning:**

Any undefined change or modification of this manual will deprive you of the right to operate the equipment. To reduce the risk of fire or electric shock, do not expose the equipment to rain or humid environment. To prevent electric shock, please do not open the housing, and it must be repaired by qualified personnel.

Precautions for Use

Avoiding condensation:

Sudden changes in temperature should be avoided as much as possible. Do not use the device immediately after moving it from a cold environment to the warm environment or when the surrounding temperature rises quickly as condensation could form inside the device.

If the device experiences a sudden temperature change, stop using and let it acclimate for at least one hour before powering it on.

Storage:

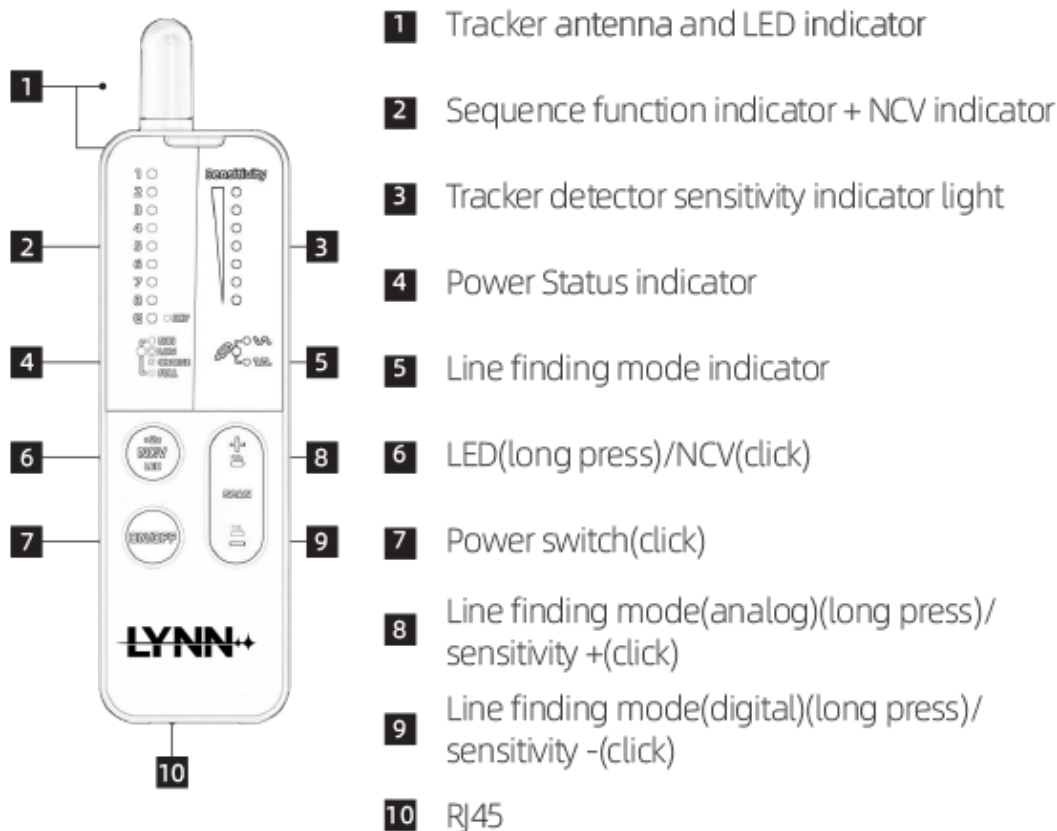
When the device is stored for a long time without being used, it should be charged to a medium state of charge. Storing the battery at a very high or very low state of charge for prolonged periods may reduce battery life and performance.

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Cable Tracker Introduction



The Copper Cable Tracker supports network cable tracing and wire sequence testing. The device features a USB Type-C interface for convenient charging.

NCV: detects the presence of strong current cables in the working environment to ensure construction safety. Click "  " to enter the NCV mode. The NCV indicator will light up. The receiver horn beeps when a voltage greater than the threshold is detected.

The line finding function is divided into two modes:

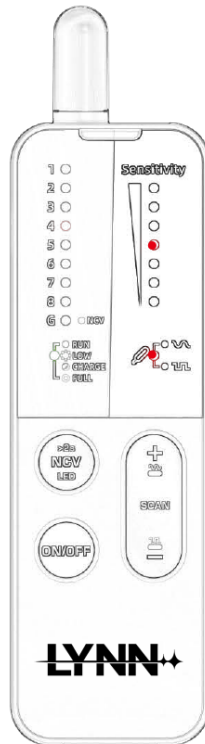
- Analog mode (long press "  " to enter, the red indicator will light up)
- Digital mode (long press "  " to enter, the green indicator will light up)

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Cable Tracker Introduction



After start of line finding, click of the "  " and "  " keys can adjust the receiver sensitivity (a total of 7 levels of sensitivity, indicated by corresponding LED lights). When the receiver detects a signal, the buzzer emits a prompt sound, and the LED light flashes (the color corresponds to the current line search mode). NOTE: The line search modes of the transmitter and receiver need to be consistent, otherwise no signal will be received.

Power status:

- **Green (power indicator):** LED off – shut down/steady on after booting up - normal power level/flashing after booting up - low power level
- **Red (charging indicator):** Steady LED - charging/LED off - fully charged

**When the device is powered on while charging, the red and green indicator lights may illuminate simultaneously, possibly causing the LED indicator to appear yellow.

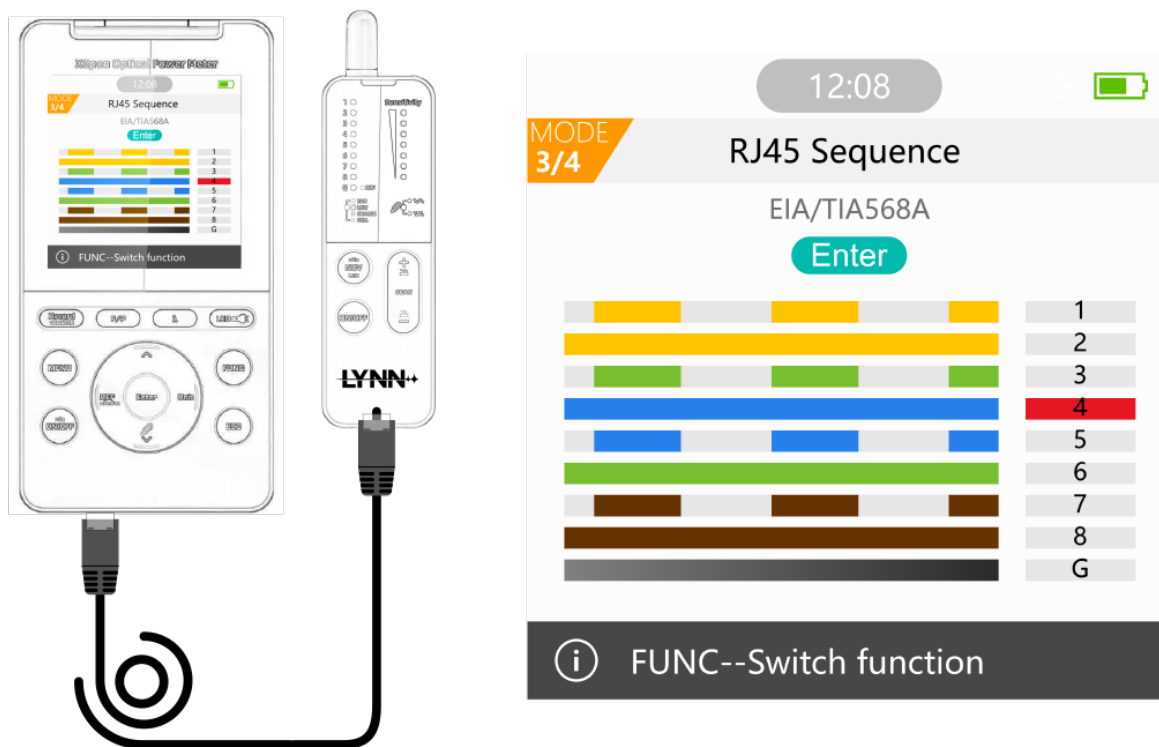
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RJ45 Sequence Test

(Paired with the PON/XGPON power meter LNT-OPM-PX)



Cable tracker paired with the LNT-OPM-PX RJ45 sequence interface diagram.

Short press the “**FUNC**” button to switch functions and enter the RJ45 sequence interface.

The instrument supports two wiring test standards. Short press the “**Enter**” button to switch between A and B wiring standards.

Connect both ends of the Ethernet cable to the main unit and the cable tracker. The quality of the Ethernet cable can be determined based on the main unit's UI and the indicator lights on the cable tracker.

- **Pass:** The main unit's UI and the module's indicator lights cycle through and match the corresponding numbers
- **Unqualified:** The indicator is in the wrong sequence, the indicator is not on

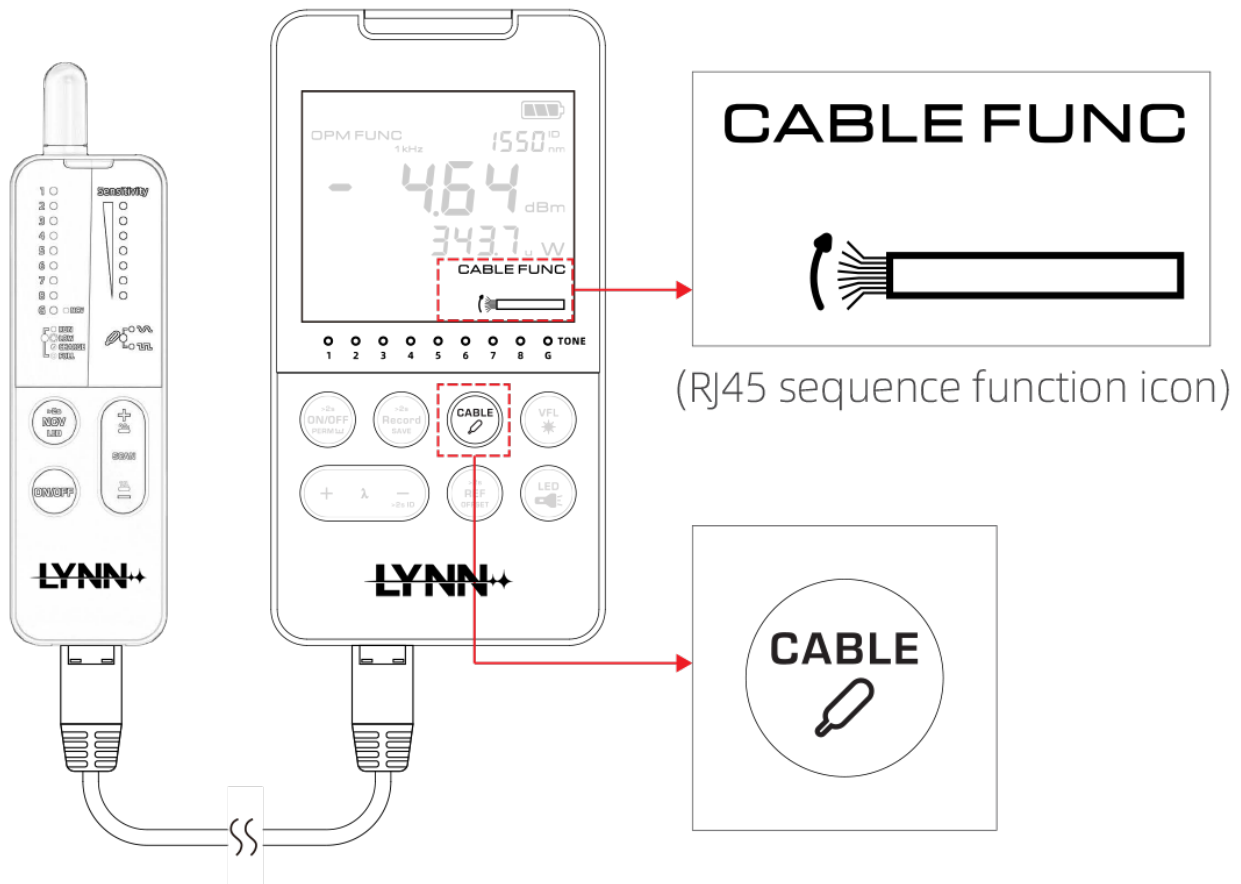
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RJ45 Sequence Test

(Paired with the LNT-OPM-CH, LNT-LST-G, and LNT-OPM-CX series products)



Short press “” to enable the cable test function, and the icons in the network cable test information area will be displayed in sync status.

Connect both ends of the network cable to the host and module respectively. You can judge whether the network cable is qualified based on the lighting status of the host UI and module indicators.

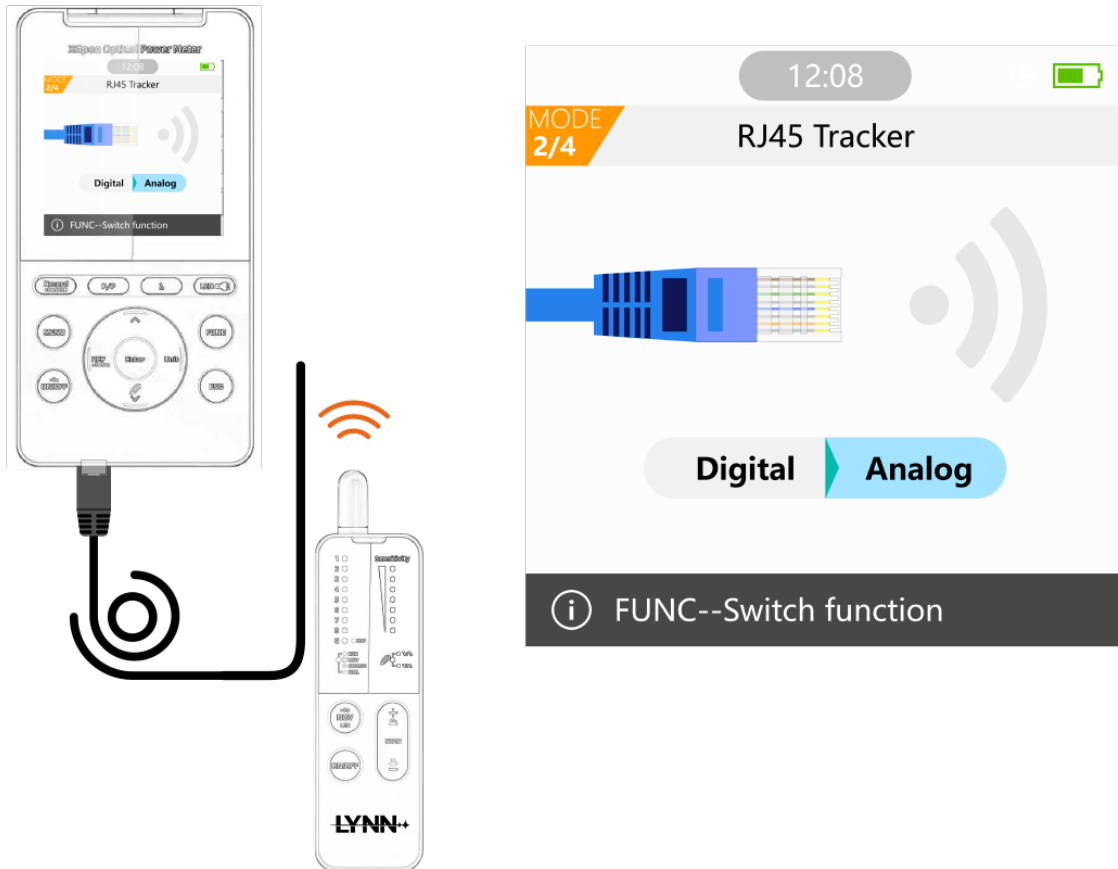
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RJ45 Tracker

(Paired with the PON/XG-PON power meter LNT-OPM-PX)



Press “**FUNC**” key, switch to cable hunting function. Cable test info area icon will display synchronously.

Perform cable hunting tests with the cable tracker. Press “**MODE**” briefly to switch between “**Digital**” and “**Analog**” hunting modes.

Connect the near end of the test network cable to the network port on the host, and select the corresponding mode to network cable finding.

The sensitivity of the finder detector can be adjusted. When the detector is close to the target network cable, the detector makes a regular tone.

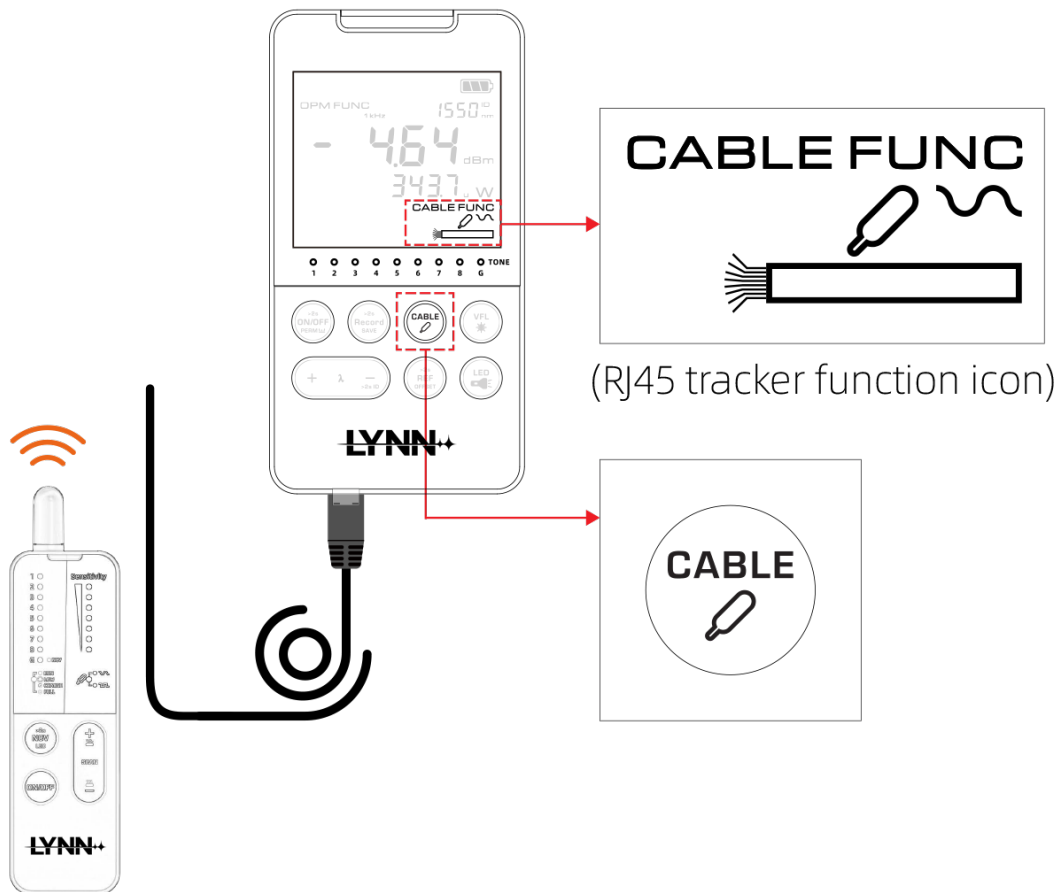
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RJ45 Tracker

(Paired with the LNT-OPM-CH, LNT-LST-G, and LNT-OPM-CX series products.)



Briefly press the “” button to switch to “Digital ” or “Analog ” cable tracing modes.

Connect the near end of the network cable being tested to the network port on the main unit. Select the appropriate tracing mode to locate the target cable.

The detector sensitivity can be adjusted as needed. As the detector approaches the target network cable, it will emit a regular audible tone to indicate the cable location.