Manuals+

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ERMENRICH NP10 NetGeeks Cable and PoE Tester

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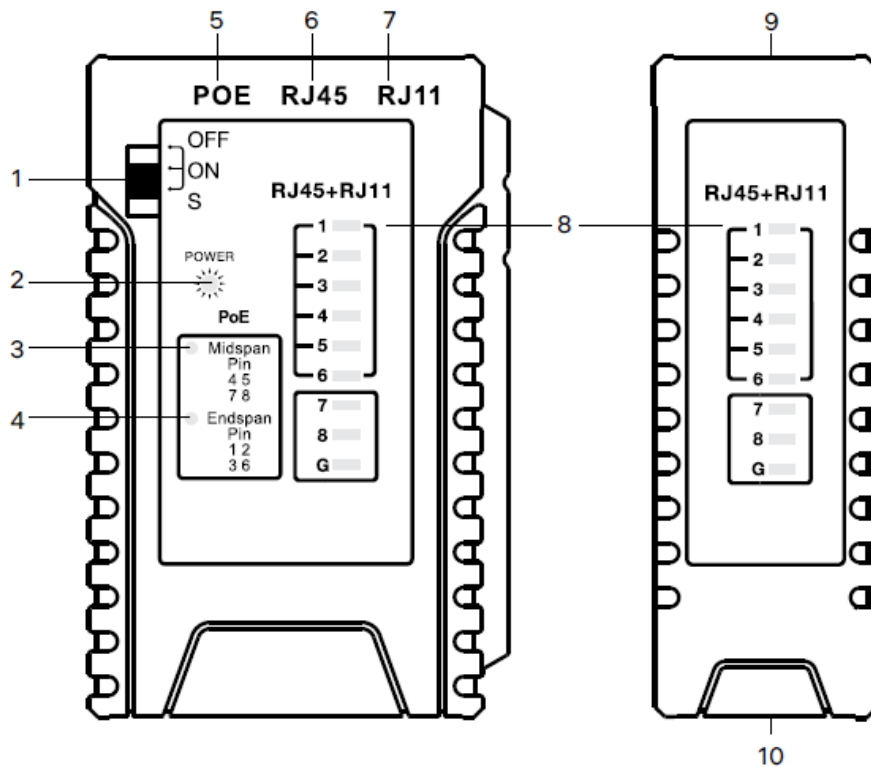
1. Three-position switch

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Please carefully read the safety instructions and the user manual before using this product. Keep away from children. Use the device only as specified in the user manual.

The kit includes: transmitter, remote unit, user manual, and warranty.

Install batteries

Open the battery compartment cover and insert the battery according to the correct polarity marks. Close the cover.

Getting started

- To turn on the transmitter, shift the three-position switch (1) to the middle position (ON)
- To turn off the transmitter, shift the three-position switch (1) to upper position (OFF).
- To turn the transmitter on and have its LED indicators blink slowly, slide the three-position switch (1) to the lower position (S).

Wire mapping

This function is used to check if the wires within the cable are connected correctly. To test a network cable, plug one end of the cable into the RJ45 port (6) on the transmitter and the other end into the RJ45 port (9) on the remote unit.

The results are shown with the corresponding LEDs (8). Possible outcomes are shown below:

Normal: The LEDs on the transmitter and on the remote unit will blink green one by one. **Transmitter:** 1-2-3-4-5-6-7-8-G **Remote unit:** 1-2-3-4-5-6-7-8-G	**Short:** If pins 2 and 5 are short-circuited, the corresponding LED on the transmitter will glow normally, but the corresponding LEDs on the remote unit will not glow. **Transmitter:** 1-2-3-4-5-6-7-8-G **Remote unit:** 1-x-3-4-5-6-7-8-G

Open: If pin 2 is open, the corresponding LEDs on the transmitter and on the remote unit will not glow.

Transmitter: 1-x-3-4-5-6-7-8-G

Remote unit: 1-x-3-4-5-6-7-8-G

If less then two wires are connected, all the LEDs remain off. Transmitter: x-x-x-x-x-x-x-x-x

Remote unit: x-x-x-x-x-x-x-x-x

Cross: If pins 2 and 5 are cross-connected, the corresponding LEDs on the transmitter and on the remote unit will blink in the same manner.

Transmitter: 1-2-3-4-5-6-7-8-G

Remote unit: 1-5-3-4-2-6-7-8-G

To test a telephone cable, plug one end of the cable into the RJ11 port (7) on the transmitter and the other end into the RJ11 port (10) on the remote unit. Possible outcomes are shown below:

Normal: The LEDs on the transmitter and on the remote unit will blink green one by one (LEDs 1, 2, 3, 4, 5 for RJ11 cable test or LEDs 1, 2, 3, 4, 5, 6 for RJ12 cable test).

RJ11:

Transmitter: 1-2-3-4-5-x-x-x-x

Remote unit: 1-2-3-4-5-x-x-x-x

RJ12:

Transmitter: 1-2-3-4-5-6-x-x-x

Remote unit: 1-2-3-4-5-6-x-x-x

Short: If pins 2 and 5 are short-circuited, the corresponding LED on the transmitter will glow normally, but the corresponding LEDs on the remote unit will not glow.

RJ11:

Transmitter: 1-2-3-4-5-x-x-x-x

Remote unit: 1-x-3-4-x-x-x-x-x

RJ12:

Transmitter: 1-2-3-4-5-6-x-x-x

Remote unit: 1-x-3-4-x-6-x-x-x

Open: If pin 2 is open, the corresponding LEDs on the transmitter and on the remote unit will not glow. **RJ11:** **Transmitter:** 1-x-3-4-5-x-x-x-x **Remote unit:** 1-x-3-4-5-x-x-x-x **RJ12:** **Transmitter:** 1-x-3-4-5-6-x-x-x **Remote unit:** 1-x-3-4-5-6-x-x-x If less then two wires are connected, all the LEDs remain off. Transmitter: x-x-x-x-x-x-x-x-x **Remote unit:** x-x-x-x-x-x-x-x-x	**Cross:** If pins 2 and 5 are cross-connected, the corresponding LEDs on the transmitter and on the remote unit will blink in the same manner. **RJ11:** **Transmitter:** 1-2-3-4-5-x-x-x-x **Remote unit:** 1-5-3-4-2-x-x-x-x **RJ12:** **Transmitter:** 1-2-3-4-5-6-x-x-x **Remote unit:** 1-5-3-4-2-6-x-x-x

PoE test

- This function is used to identify the pins that provide PoE, and the power supply mode.
- Insert one end of the PoE cable into the RJ45 port (6) on the transmitter and the other end into the PoE equipment (such as network switch, router, etc).
- If the Midspan indicator (3) glows orange, it means that power is provided by midspan (4, 5 / 7, 8).
- If the Endspan indicator (4) glows green, it means is that power is provided by endspan (1, 2 / 3, 6).
- If the Midspan indicator (3) glows orange and at the same time the Endspan indicator (4) glows green, it means that the power is provided by both midspan and endspan (1, 2, 3, 6 and 4, 5, 7, 8).

Midspan indicator	Endspan indicator	Test result
Orange	X	Midspan (4, 5 / 7, 8)
X	Green	Endspan (1, 2 / 3, 6)

Orange	Green	4 pairs (1, 2, 3, 6 and 4, 5, 7, 8)

Specifications

Testing cable types	STP/UTP (CAT5, CAT6) network cable, telephone cable
Wire mapping	+
Midspan/endspan identification	+
PoE test	+
Operating temperature range	−10… +40°C / +14… 104°F
Power supply	1pc 9V battery

The manufacturer reserves the right to make changes to the product range and specifications without prior notice.

Care and maintenance

Do not use the device in a high voltage environment (e.g. 220V AC electric power supply). Do not use the device if it is not working properly. Protect the device from sudden impact and excessive mechanical force. Store the device in a dry cool place. Please note that the parameters of the power supply must comply with the technical characteristics of the device. Do not touch any bare conductor with your hand or skin. Do not try to disassemble the device on your own for any reason. For repairs and cleaning of any kind, please contact your local specialized service center. Only use accessories and spare parts for this device that comply with the technical specifications. Never attempt to operate a damaged device or a device with damaged electrical parts! If a part of the device or battery is swallowed, seek medical attention immediately.

Battery safety instructions

Always purchase the correct size and grade of battery most suitable for the intended use. Always replace the whole set of batteries at one time; taking care not to mix old and new ones, or batteries of different types. Clean the battery contacts and also those of the device prior to battery installation. Make sure the batteries are installed correctly with regard to polarity (+ and –). Remove batteries from equipment that is not to be used for an extended period of time. Remove used batteries promptly. Never short-circuit batteries as this may lead to high temperatures, leakage, or explosion. Never heat batteries in order to revive them. Do not disassemble batteries. Remember to switch off devices after use. Keep batteries out of the reach of children, to avoid risk of ingestion, suffocation, or poisoning. Utilize used batteries as prescribed by your country's laws.

Ermenrich Warranty

Ermenrich products, except for their accessories, carry a 5-year warranty against defects in materials and workmanship. All Ermenrich accessories are warranted to be free of defects in materials and workmanship for six months from the purchase date. The warranty entitles you to the free repair or replacement of the Ermenrich product in any country where a Levenhuk office is located if all the warranty conditions are met.

For further details, please visit: ermenrich.com
If warranty problems arise, or if you need assistance in using your product, contact the local Levenhuk branch.

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FAQ

1. **What is included in the kit?**
   The kit includes a transmitter, remote unit, user manual, and warranty.

2. **How do I know if the wires are connected correctly?**

   Use the wire mapping function by plugging cables into the RJ45 ports on both the transmitter and remote unit. The LEDs will indicate the connection status.

3. **How do I turn on/off the transmitter?**

   Use the three-position switch: middle position for ON, upper position for OFF, and lower position for LED indicator blinking.

Documents / Resources

Ermenrich NetGeeks NP10 Cable & PoE Tester	[ERMENRICH NP10 NetGeeks Cable and PoE Tester](#) [[pdf](#)] User Manual NP10, NP10 NetGeeks Cable and PoE Tester, NetGeeks Cable and PoE Tester, Cable and PoE Tester, PoE Tester, Tester

References

- [User Manual](#)

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Cable and Poe Tester, ERMENRICH, NetGeeks Cable and PoE Tester, NP10, NP10 NetGeeks Cable and PoE Tester, Poe Tester, Tester

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