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ETURBEV ET605

ETURBEV ET605 LAN Network Cable Tester User Manual

Model: ET605
Brand: ETURBEV

1. Introduction

This manual provides detailed instructions for the safe and effective use of the ETURBEV ET605 LAN Network Cable Tester. This device integrates network routing, crystal head crimping testing, alignment, POE measurement, and switch port flashing functions. It is designed as a multi-purpose line positioning tool for laboratory, wiring, and various communication line installation and engineering maintenance personnel.
The ET605 consists of a main body (transmitter) and a wire aligner (receiver), making it a practical tool for the construction and daily maintenance of various metal lines such as computer network cables and telecommunications network communication cables.

2. Safety Information

- Read all instructions thoroughly before operating the device.
- Do not expose the device to moisture, rain, or extreme temperatures.
- Use only the specified power source: one 9V battery (not included) for the main body.
- Avoid testing live circuits beyond the specified POE withstand voltage of 60V.
- Keep the device out of reach of children.
- Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage or injury.

3. Product Overview

The ETURBEV ET605 is a versatile tool for network and telephone cable testing. Below is an overview of its components and key features.

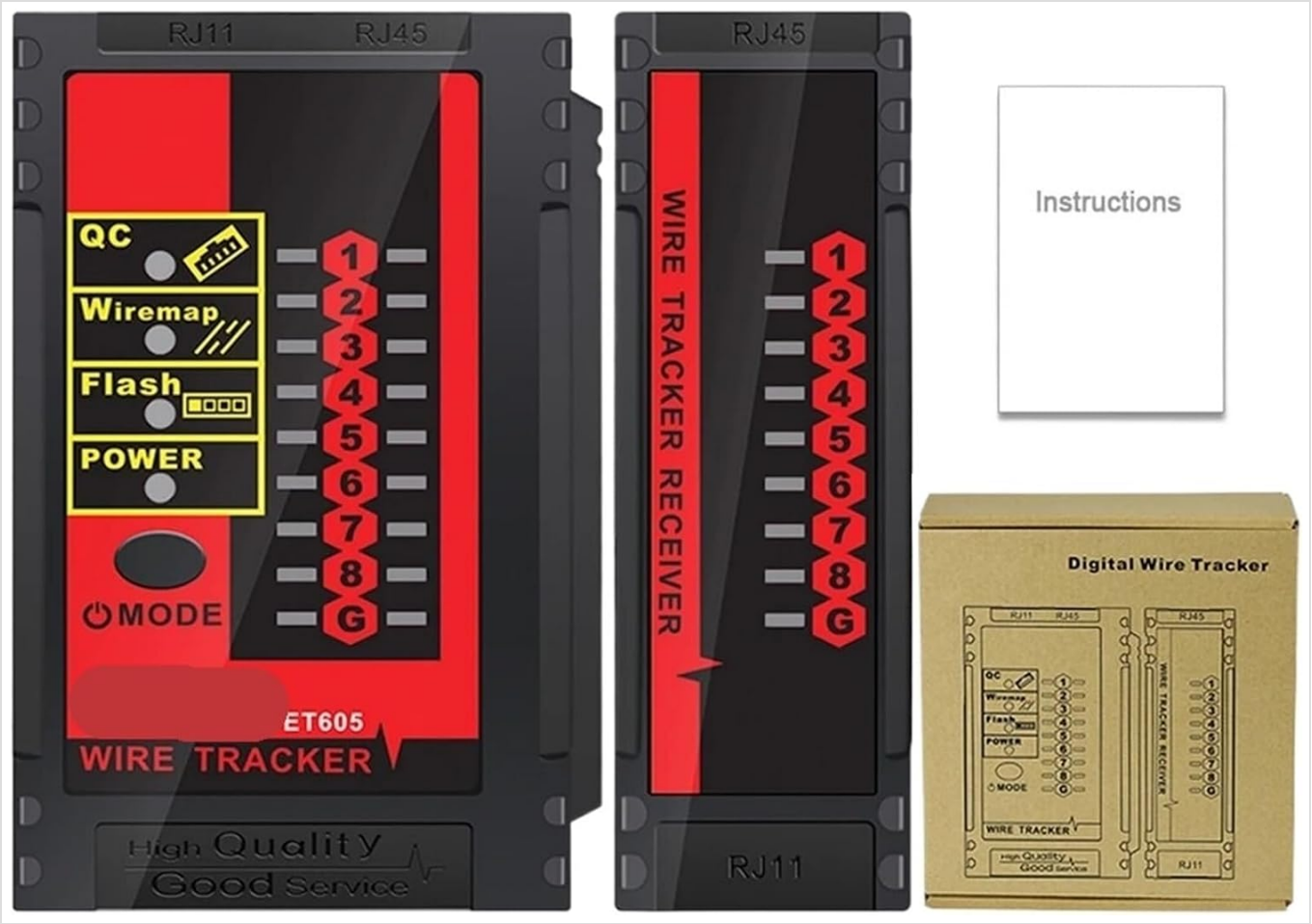

Image: The ETURBEV ET605 LAN Network Cable Tester, showing the main unit, receiver, included instruction manual, and storage box.

3.1 Key Features

- **Cable Pairing Check (Wiremap)**: Tests for straight-through, open circuit, cross, and short circuit conditions in network (RJ45) and telephone (RJ11) cables.
- **QC Cable Port (Quality Verify)**: Assesses the quality of crimped RJ45/RJ11 crystal connectors.
- **Switch Flash (Hub Blink)**: Helps locate network ports by causing the corresponding port light on a Hub/Switch to flash. Compatible with 10M or 100M network devices.
- **PoE Test**: Detects voltage output from Power over Ethernet (PoE) devices and identifies the wiring pairs carrying the voltage. Withstands up to 60V.
- **Automatic Shutdown**: An energy-saving feature that powers off the device after a period of inactivity.
- **Low Battery Indicator**: Provides a visual alert when the battery power is low, indicating it's time for replacement.

3.2 Package Contents

- 1 x ETURBEV ET605 Main Body (Transmitter)
- 1 x ETURBEV ET605 Receiver (Wire Aligner)
- 1 x Storage Box
- 1 x English User Manual

4. Setup

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the main body unit.

2. Slide or unclip the cover to open the compartment.
3. Insert one 9V battery (not included), ensuring that the positive (+) and negative (-) terminals align correctly with the markings inside the compartment.
4. Close the battery compartment cover securely.

4.2 Initial Power On

Press the **POWER** button located on the main unit. The power indicator light will illuminate, indicating the device is ready for use.

5. Operating Instructions

5.1 Cable Pairing Check (Wiremap)

This function tests the continuity and configuration of network (RJ45) and telephone (RJ11) cables.

1. Connect one end of the network cable (RJ45) or telephone cable (RJ11) to the corresponding port on the main body.
2. Connect the other end of the cable to the corresponding port on the receiver unit.
3. Press the **MODE** button repeatedly until the **Wiremap** indicator light is illuminated.
4. Observe the LED indicators (1-8, G for ground) on both the main body and receiver.
5. **Normal Connection**: LEDs on both units will light up sequentially from 1 to 8, and G (if present), indicating a correct straight-through connection.
6. **Open Circuit**: If an LED does not light up on either unit, that specific wire is open or broken.
7. **Short Circuit**: If multiple LEDs light up simultaneously or in an incorrect sequence, a short circuit is present between wires.
8. **Cross Connection**: If the sequence of LEDs is different between the main unit and receiver (e.g., main shows 1-2-3-6, receiver shows 1-2-6-3), a cross connection is detected.

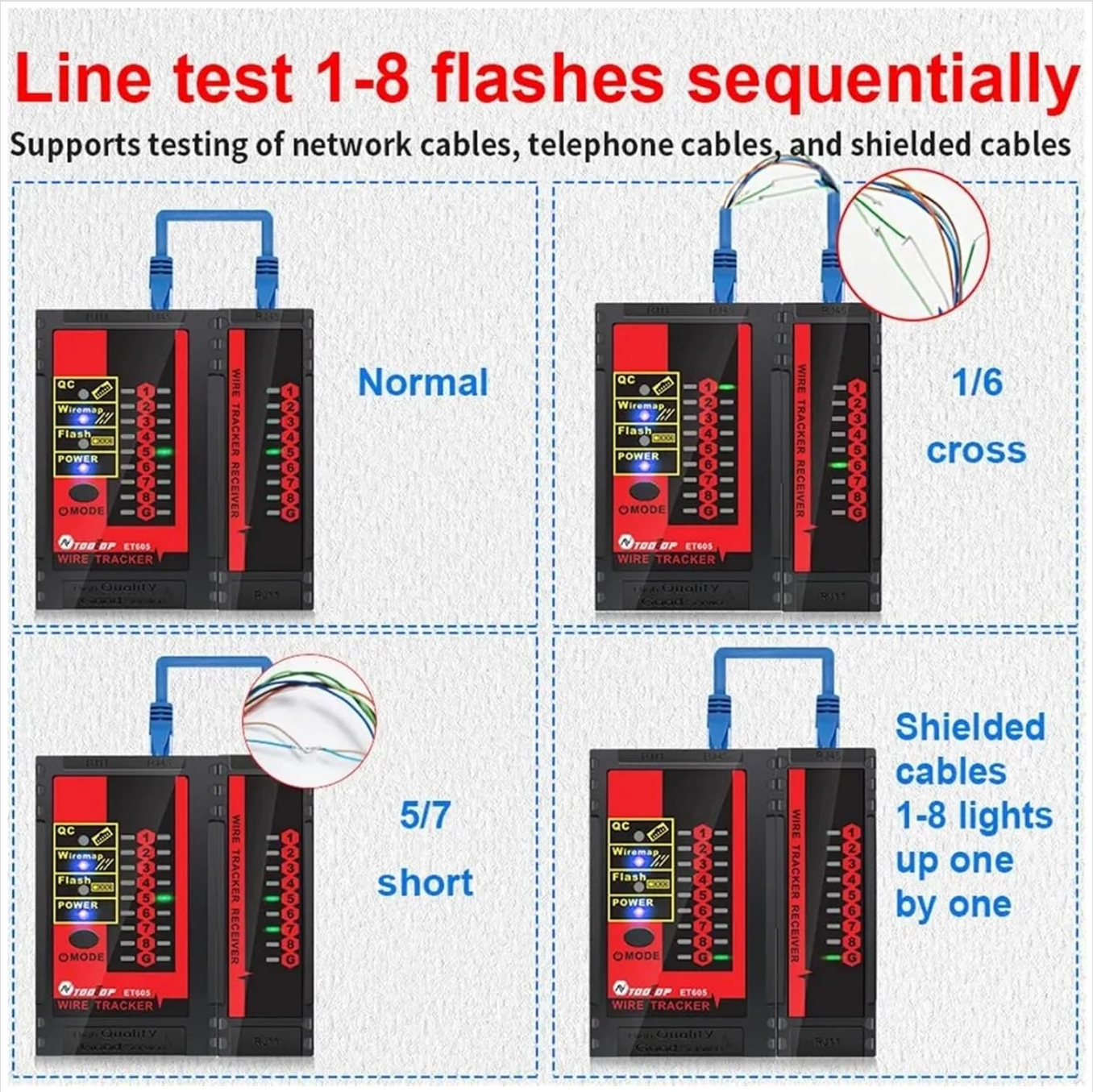

Image: Visual representation of cable test results, including normal, cross, short, and shielded cable configurations.

5.2 QC Cable Port (Crystal Head Crimp Test)

This function verifies the quality of crimped RJ45 or RJ11 connectors.

1. Insert the crimped RJ45 or RJ11 connector into the dedicated **QC** port on the main body.
2. Press the **MODE** button until the **QC** indicator light is illuminated.
3. The device will analyze the crimp quality. Refer to the specific LED patterns for pass/fail indications (e.g., all LEDs lighting up correctly for a good crimp).

5.3 Switch Flash (Hub Blink)

This feature helps in identifying a specific port on a network switch or hub.

1. Connect one end of a network cable to the RJ45 port on the main body.
2. Connect the other end of the network cable to a port on a network switch or hub.
3. Press the **MODE** button until the **Flash** indicator light is illuminated.

4. The device will send a signal to the connected switch/hub port, causing its indicator light to flash, allowing for easy visual identification of the connected port.
5. This function is compatible with 10M or 100M network devices.

5.4 PoE Test

This function detects the presence of Power over Ethernet (PoE) voltage and identifies the powered pairs.

1. Connect a network cable from a PoE device (e.g., PoE switch, PoE injector) to the RJ45 port on the main body.
2. Press the **MODE** button until the **POE** indicator light is illuminated.
3. The device will detect if voltage is present and which pins are carrying the power. The corresponding LED indicators (1-8) will illuminate to show the powered pairs.
4. The ET605 is designed to withstand up to 60V for PoE testing.

6. Maintenance

6.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the casing or internal components.

6.2 Storage

Store the ET605 in a cool, dry place, away from direct sunlight, high humidity, and extreme temperatures. If the device will not be used for an extended period, remove the 9V battery to prevent leakage and potential damage.

6.3 Battery Replacement

Replace the 9V battery when the low battery indicator illuminates or if the device fails to power on or operate correctly. Follow the battery installation steps outlined in Section 4.1.

7. Troubleshooting

7.1 Device does not power on.

- Check if the 9V battery is installed correctly with the right polarity.
- Replace the 9V battery with a new one.

7.2 Inconsistent or no LED indications during cable test.

- Ensure both ends of the cable are securely connected to the main body and receiver.
- Verify the cable itself is not damaged. Try testing with a known good cable.
- Check the battery level; replace if low.

7.3 Switch Flash function does not work.

- Ensure the connected switch/hub is 10M or 100M compatible.
- Verify the network cable connection is secure at both ends.

8. Specifications

Feature	Description

Feature	Description
Model	ET605
Functions	Cable Pairing Check (Wiremap), Crystal Head Crimp Test (QC), Switch Flash (10M/100M), PoE Test
PoE Withstand Voltage	Up to 60V
Power Source (Main Body)	9V Battery (not included)
Other Functions	Low Battery Indicator, Energy Saving, Auto Power Off
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces (50 Grams)
Manufacturer	ETURBEV

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided by your retailer or visit the official ETURBEV website. It is recommended to retain your purchase receipt as proof of purchase for warranty claims.

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