



Pilo One

DALI DIAGNOSTIC TOOL



OVERVIEW

Pilo One is a professional, compact handheld DALI diagnostic tool and analyzer designed specifically for DALI installation verification, commissioning, and testing.

It allows building automation engineers and electrical technicians to instantly discover DALI devices, test bus communication, analyze DALI frames in real-time, and log traffic without changing the existing bus configuration.

KEY FEATURES

- **Instant Bus Broadcast Control:** Command and test the entire DALI bus instantly using broadcast signals.
- **Switchable DALI Bus Power:** Toggle between active mode (integrated 16V DC supply) and passive mode (sniffing an externally powered bus).
- **Instant Bus Scan:** Identifies all active DALI devices on the bus without configuration overrides.
- **Real-time Sniffer:** Records and decodes DALI traffic down to microsecond precision.
- **DiiA Registry Verify:** Cross-checks found devices against the official DiiA certification database.
- **Continuous Logging:** Stores up to 12 hours of continuous DALI bus traffic logs internally.
- **Bluetooth Connectivity:** Direct wireless link to the mobile app for live telemetry, diagnostics, and configuration on phones/tablets.
- **USB-C Powered:** Supports continuous operation directly from USB-C power sources.

COMPLIANCE



CE Compliant

TECHNICAL SPECIFICATIONS

- LED Indicators**
- **Power** - Device is powered on
 - **Status** - Device is running normally

- Battery Life**
- **Passive mode** - >16 hours of operation
 - **Active mode** - >8 hours of operation (at 230mA DALI load)

- Logging Storage** Up to 12 hours of continuous DALI bus logs

- DALI Interface** 2x 4mm safety sockets

- DALI Bus Power** 16 V DC (230 mA guaranteed, 250 mA max limit). Switchable active / passive modes

- USB-C Power** USB Power Delivery (USB-PD) required.

- Data Interface** Bluetooth Low Energy (BLE)

- Operating Temp.** 0°C to +50°C

- Dimensions** 165 mm x 80 mm x 27 mm

- Weight** 280 g (Device)

* Battery lifespan and capacity may degrade over time if exposed to temperatures outside the storage range or high charging cycles.

SAFETY WARNING

If the device temperature increases abnormally, immediately power off, disconnect from active lines, and allow to cool down.