ZROBO FOR ANDROID

Datasheet

The meter reading app for REDZ optical probes. ZRobo 3.0.0, the version on Google Play.

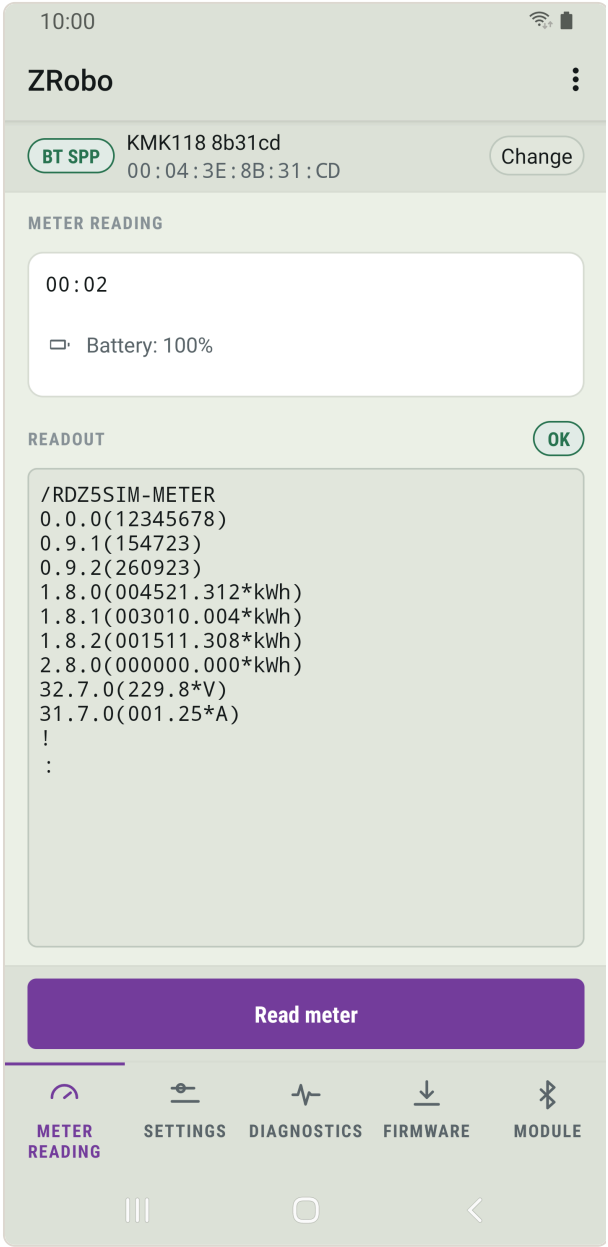
ZRobo reads electricity meters through REDZ optical probes.

What it does

- Reads electricity meters through REDZ optical probes, over IEC 62056-21 mode C, and shows every line as it arrives.
- Saves each reading as a plain .txt file you can share or export.
- Reconnects by itself to the probe you used last.

Connection

- Bluetooth SPP, Bluetooth Low Energy, and USB (OTG).
- Over USB, ZRobo reads the meter; the probe's settings, diagnostics, firmware and Bluetooth module need a Bluetooth connection.



A correct reading. SIM-METER is a simulated meter we use for this manual.

Working on the probe

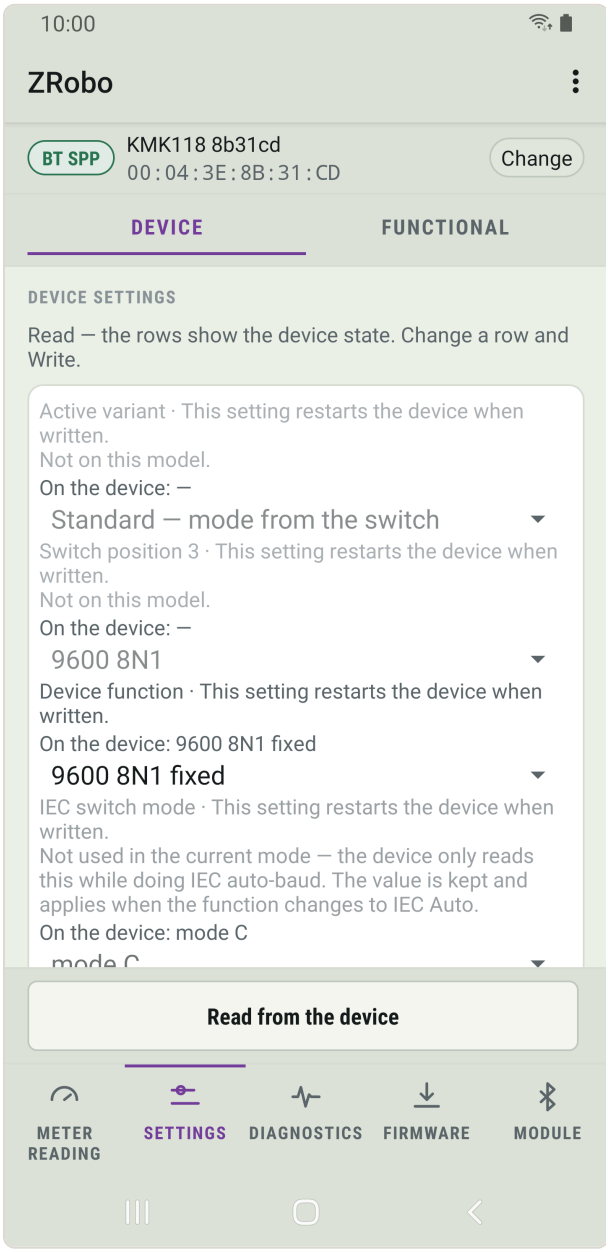
- Device settings: read the probe's full status and write settings back.
- Meter line control: baud rate, framing, break, and the power-on default.
- Module configuration: 38 Bluetooth module parameters, compared against REDZ standard values.
- Diagnostics: every row is what the device itself reported, with a note saying what it means.
- Battery level.
- Firmware update over the air, with a battery check and a recovery path for a probe left in its bootloader.

Requirements

- Android 9 or newer.
- A REDZ optical probe: KMK118 or KMK119.
- Bluetooth, or a USB OTG cable for the wired probe.
- On Android 9 to 11, Android requires location permission for Bluetooth scanning; ZRobo does not collect or transmit location.

Languages

- English, Turkish, Italian.



The Device tab after Read from the device: under each setting, what the probe reports.

ZRobo is made by REDZ Smart Communication. REDZ optical probes: https://probeformeters.com