

Product description

The RFM-RBT2 Wireless M-Bus receiver is a device capable of receiving telegrams from compatible B Meters devices and retransmitting them to an Android tablet or smartphone via Bluetooth technology.

The B METERS Hydrolink Mobile app, which can be downloaded for free from the Google Play Store, allows you to view and download the data of individual users by saving it on the reading device or sending it to an e-mail address with extreme simplicity and speed.

Technical data

- › Dimensions (WxHxD) - Weight: 70 x 115 x 25 mm - 300 g
- › Working temperature: -10°C ↔ +55°C
- › Storage temperature range: -20 ↔ +25 °C max. 1 year / -20 ↔ +40 °C max. 3 months
- › Storage humidity Range: +45% ↔ +75%
- › Battery charging temperature: min. 0 °C / max. 40 °C
- › Power supply: LiPo 3.7V 3300mAh*
- › Battery duration: max. 2 days continuous operation
- › Full charging time: max. 6 hours*
- › Charging cycles: max. 500
- › Protection class: IP54
- › wM-Bus antenna: integrated or external (SMA connector)
- › Receive frequency: wMBUS Standard EN13757-4, T1(Rx), 867/ 868 / 921 MHz (in optimal environmental conditions)
- › wM-Bus signal coverage: up to 300 meters (In open field conditions)
- › Connection: USB Type-C (only battery recharging) 5 V 2Ah
- › Bluetooth specification: Bluetooth 5.1 Class 2
- › Compatible pairing devices: From Android OS 5, 4.3" display or greater

**Batteries are not replaceable. Do not attempt replacements of any kind. Any attempts will result in the loss of the warranty and irreparably damage the device.*

Packaging content

- › RFM-RBT2 device
- › Installation guide
- › Antenna SMA (optional, on request)

First use

To use the device, the first step is the pairing with the Android tablet or smartphone where the Hydrolink Mobile application has been installed. The following steps are only demonstrative and may somewhat differ depending on the type of device and the android version installed:

- › with the RFM-RBT2 device off, press and hold down the power button until entering the pairing mode (rapid flashing of the blue LED). Pairing mode will be active for a max. of 10 minutes and the device can be identified by its mac address (RFM-RBT-####);
- › carry out a bluetooth search and pairing as indicated by the manufacturer of the android device used (**PIN: 123456**);
- › continue following the instructions in the Hydrolink Mobile app manual.

Device behaviour description

- › ON (flashing green LED, flashing slowly if charging): active or on standby mode.
- › ON (flashing red LED, flashing slowly if charging): active or standby mode with less than 15% of battery charge remaining.
- › OFF (static red LED): device turned off and charging.
- › Bluetooth (flashing blue LED, flashing quickly whilst in pairing mode): device connected to a tablet/smartphone.
- › wM-Bus (white LED): flashes when receiving a wireless M-Bus telegram.
- › Short press of the power button (3 sec): powering on or turning off the device.
- › Long press of the power button (10 sec with the device turned off): device in bluetooth pairing mode.
- › Reading devices active: The device remains turned on as described above.
- › Device turned on with the reading deactivated: Standby mode (device turns off automatically after 1 hour of inactivity).

Safety precautions

- › During the installation process, handle the device with care, don't crush, don't bend, don't expose to electrostatic discharges which could permanently damage the device, do not install close to heat sources (radiators, conditioners, convectors etc.).
- › The device doesn't contain hazardous materials in accordance with European directives 2011/65/EU (RoHS) and subsequent changes. The device requires specific disposal at the end of its lifetime. Recycling is mandatory or recommended following the Directive RAEE inside European Union region, or anyway dispose in accordance with local laws and regulations. Do not burn or undergo high temperatures.
- › The RFM-RBT2 works reliably in the environmental conditions specified in this manual. Any unauthorized intervention and/or modification may cause malfunctions or total damaging of the product.

Support and warranty

For technical assistance, contact your dealer or contact the BMETERS after sales service at ticket@bmeters.com.

Dichiarazione di conformità

Hereby, B METERS, declares that this RFM-RBT2 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The complete declaration can be downloaded from the official website www.bmeters.com.



For a detailed guide and more information please refer to the product's user manual .



For the product warranty and further safety precautions refer to the general terms and conditions available on our website.