

SMeter-RS06

User Manual

P1 / HAN Smart Meter Reader with 2.4 GHz Wi-Fi

QUICK START

Connect to the meter's P1 port - add the device in EnergyLink - connect it to 2.4 GHz Wi-Fi

1. Product overview

The SMeter-RS06 is a smart meter reader designed to add Wi-Fi data communication to compatible electricity meters with a P1/HAN interface. It connects the meter to a cloud-based IoT platform for remote energy monitoring and related energy-management functions.

The device supports remote data monitoring, remote upgrades and maintenance, local debugging, multi-unit wireless networking and parallel operation with backflow-prevention control. The manual specifies a data response time of up to 500 ms per transaction.

2. Installation preparation

2.1 Compatibility

- Electricity meter: must be equipped with an active P1 data port.
- Network: 2.4 GHz Wi-Fi only. 5 GHz Wi-Fi is not supported.
- Older meters: a separate 5 V / 1 A USB Type-C power adapter may be required.

2.2 Package contents

Part	Quantity	Description
SMeter-RS06	1	Smart meter reader with integrated P1 interface plug
Quick Guide	1	Includes app download information
Wi-Fi rod antenna	1	2.4 GHz antenna

3. Safety and hardware installation

3.1 Safety precautions

- Confirm that data output from the electricity meter's P1 port is activated. If P1 output is disabled, the SMeter-RS06 cannot collect data.
- Some smart meters require the energy provider to activate the P1 port remotely. This may apply in countries such as Belgium, Denmark, Sweden and Switzerland.
- Do not handle the device with wet hands while it is operating.
- Do not modify the P1 interface or power circuit.
- Keep the area around the electricity meter dry and well ventilated, and keep the device away from heat sources.

3.2 Hardware connection

Basic installation: insert the SMeter-RS06 P1 plug into the electricity meter's P1 port. This is normally an RJ12-type connection marked P1 or DATA.

DSMR 5.0 or newer: the P1 port can normally power the device directly. The status LED should illuminate after connection.

DSMR 4.0 or older: connect a 5 V / 1 A power adapter to the device's USB Type-C DC power port. The LED should illuminate when power is supplied.

The manual lists common P1 support in Austria, Belgium, Denmark, Finland, Hungary, Lithuania, Luxembourg, the Netherlands, Sweden and Switzerland.

4. EnergyLink app setup

4.1 Download and registration

Download the EnergyLink app using the QR code supplied with the product documentation. Open the app, go to the registration page, enter the requested account information and select Register.

4.2 Create a system

- Select Create System.
- Enter the household or system name.
- Select country and city.
- Set the electricity price and currency.
- Select the electricity company / grid operator where applicable.
- Save the system.

4.3 Add the SMeter-RS06

- Open the Home or Devices page and tap the + icon.
- Choose Add Device. The EnergyLink app will search for the P1 SMeter-RS06.
- When the device appears, connect to it via Bluetooth.
- Select the Wi-Fi network for the device and enter the Wi-Fi password.

Important: the SMeter-RS06 supports 2.4 GHz Wi-Fi only.

4.4 If configuration fails

- Check that the wireless router is operating correctly.
- Move the router closer to the SMeter-RS06 if necessary.
- Confirm that the Wi-Fi password is correct.
- Confirm that the selected Wi-Fi network is 2.4 GHz.

5. Checking device status

After successful binding, the SMeter-RS06 appears on the Devices page. Select it to view basic information.

On the Home page, a green Wi-Fi icon on the smart meter indicates that the device is online. A gray icon indicates that it is offline.

6. Device layout

Location	Function
Front	Status / indicator LED
Back	Serial number, QR code, product parameters and manufacturer information
Bottom	Reset button, Wi-Fi antenna mounting port and USB Type-C DC power port. A LoRa antenna mounting position is reserved and closed by default.

7. Indicator light

Condition	LED behaviour
Meter not connected - Wi-Fi connecting	Green: fast flashing, approx. 200 ms

Condition	LED behaviour
Meter not connected - Wi-Fi connected, server offline	Green: slow flashing, approx. 1 second
Meter not connected - Wi-Fi and server connected	Green: continuously on
Meter linked - Wi-Fi not connected	Blue: fast flashing, approx. 200 ms
Meter linked - Wi-Fi connected, server offline	Blue: slow flashing, approx. 1 second
Meter linked - Wi-Fi and server connected	Blue: continuously on
P1 fault	Red: continuously on

8. Troubleshooting

Problem	What to check
Status light / power issue	Check that the P1 plug is fully inserted. For an older meter, connect USB Type-C power. If necessary, test another compatible 5 V / 1 A power adapter.
App cannot find the device	Confirm 2.4 GHz Wi-Fi, restart the router and reset the SMeter-RS06 by holding the reset button for about 5 seconds.
Data updates stop	Check whether the meter's P1 port has been disabled by the grid company. Also update the EnergyLink app to the latest version.
Electricity price calculation is wrong	Check Set Electricity Price under Smart Mode / Green Electricity Plan and update the regional electricity price if necessary.

9. Maintenance and precautions

- Install firmware updates when prompted by the app. Do not interrupt power during a firmware update.
- If the electricity meter is replaced, add the SMeter-RS06 again in the app and synchronize the relevant grid-company information.
- According to the supplied manual, data storage complies with EU GDPR requirements and data permissions can be managed in the app's Privacy Settings.

SMeter-RS06 - Cleaned and reformatted user manual based on the supplied manufacturer documentation.