MQTT Guide for Ohmigo®

xxxxxx represents the last 6 digits of the DeviceID.

◆ Connection info

Server:	`192.168.7.193`
Port:	`1883`
Client ID:	`ohmonwifiplus-883252`
Base topic:	`ohmonwifiplus/883252/`

⚠️ **NOTE:** To stay connected, the device must receive at least one MQTT command to any of its set-topics every 15 minutes. If no such command is received from the broker, the relay will switch to bypass mode, and the device will automatically disconnect and reconnect to try to recover the connection.

This timeout default value is 900 seconds (15 minutes), but it can be adjusted from 0 (disabled) up to 99,999 seconds.

💡 **Recommended:** For best reliability, use an automation in your MQTT system (such as Home Assistant) to regularly confirm the connection. For example, publish a relay ON command every 5 minutes like this:

```
- alias: "MQTT heartbeat – relay/set"
  trigger:
    - platform: time_pattern
      minutes: "/5"
  action:
    - service: mqtt.publish
      data:
        topic: "ohmonwifiplus/883252/relay/set"
        payload: "ON"
```

◆ MQTT PUBLISH — outgoing data

These topics are published automatically when values change:

- `ohmonwifiplus/883252/temperature` — Temperature (°C)
- `ohmonwifiplus/883252/resistance` — Resistance (Ohms)
- `ohmonwifiplus/883252/relay` — `"ON"` or `"OFF"`
- `ohmonwifiplus/883252/boot` — Boot time
- `ohmonwifiplus/883252/firmware` — Firmware version
- `ohmonwifiplus/883252/status` — `"online"` or `"offline"`

◆ MQTT SUBSCRIBE — commands

Control the device via the following topics:

- `ohmonwifiplus/883252/temperature/set` — e.g. `23.5` (°C)
- `ohmonwifiplus/883252/resistance/set` — e.g. `1234.5` (Ohms)
- `ohmonwifiplus/883252/relay/set` — `"ON"` or `"OFF"`

When you send a temperature value, the corresponding resistance is automatically calculated and published — and vice versa. This ensures both Home Assistant entities stay in sync.

> ⚠️ **Important:** Use **only one control mode at a time** — either temperature *or* resistance.
> If both are sent, the most recent command applies. Avoid sending new values unnecessarily often; it increases flash wear.

◆ Clearing retained messages

On the first MQTT connection after boot, the device automatically clears any retained `temperature` and `resistance` values that may exist in the broker.

> ✅ This prevents old values from being delivered after a restart, which could cause unexpected control actions.

◆ Home Assistant integration

This device supports **automatic discovery** in Home Assistant via MQTT. No manual configuration is needed.

- Ensure MQTT is enabled and configured in Home Assistant.
- The device and all entities will appear automatically under `Ohmigo`.
- Entities include temperature, resistance, relay, firmware, and more.

◆ Useful external links

Examples of integrations with Home Assistant and real-world control setups:

- [PumpSteer – open-source heat pump automation project](#)

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