

# LegitFix

## Quick Start Guide

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Telemetry concentrator for up to 1,000 meters.  
Everything you need for a proper field installation, in 5 simple steps.

### ATTENTION

This guide is for quick field execution. For detailed planning and advanced diagnostics, refer to the *Installation and Configuration Manual*.

DOCUMENT

QS-LegitFix v1.21

APPLICATION

Telemetry

AVERAGE TIME

30 to 60 min

# Contents

What you will find in this guide

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## How to read this guide

Throughout the document you will see notices that help identify the importance of the information:



### **DANGER**

Risk of electric shock or severe damage. **Must always be followed.**



### **WARNING**

Critical procedure for the equipment to operate correctly.



### **INFORMATION**

Useful technical data or recommended best practices.



### **SUCCESS**

Confirmation that a step has been completed correctly.

# 1

## PRELIMINARY STAGE

# Before You Start

Before starting the physical installation, carefully read the safety warnings and gather all the necessary tools. **Taking 5 minutes to prepare saves 30 minutes of rework in the field.**

## Safety first



### **DANGER — RISK OF ELECTRIC SHOCK**

Keep the circuit breaker **OFF** during the entire installation. Before any connection, **confirm the absence of voltage** with a multimeter on the Live, Neutral, and Ground terminals.

### **WHY DOES THIS MATTER?**

*Even if the circuit breaker appears to be off, wires may be energized from another source (parallel feed, load backfeed). A multimeter costs little and can save your life.*

## Required tools and materials

### **Gather these items before going to the installation site**

- Multimeter (AC voltage function)
- Phillips and flathead screwdrivers
- Smartphone/laptop with Wi-Fi
- LegitFix device with antenna
- Drill with compatible bit
- Self-amalgamating tape (outdoor)
- Access to the WiserMeter platform
- PPE: safety glasses, insulating gloves



### **PREPARATION TIP**

Before going to the field, make sure you have an **active login on the WiserMeter platform** and the **LegitFix serial number**. This information will be required in Step 5.

# Installation in 5 Steps

Follow the steps **in the order they appear**. Each one depends on the completion of the previous step. Do not skip steps, even if they seem simple.

## 1

## STEP 1 OF 5 · PHYSICAL INSTALLATION

## Mount the Enclosure

Position the LegitFix at the chosen location, with the **cable gland facing downward**. Mark the points where the screws will go, drill the holes with a compatible bit, and screw in *without applying excessive torque*.

### WHY DOES THE CABLE GLAND FACE DOWNWARD?

Water drains away from the equipment in case of rain. If it faces upward, water enters and damages the board.



### DO NOT OPEN OR DRILL THE ENCLOSURE

Drilling or opening the enclosure **voids the warranty** and compromises the **IP54** protection rating.



Mount the enclosure using the two side mounting holes indicated. Use screws compatible with the surface.

## 2

### STEP 2 OF 5 · COMMUNICATION

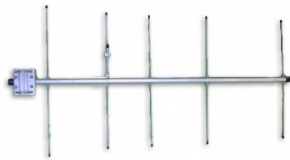
## Install the External Antenna

The antenna is what allows the LegitFix to **communicate with the meters**. Its correct position is essential.

1. Mount the antenna **preferably in a vertical position**, with line of sight toward the meters.
2. Connect the antenna cable to the **external connector** of the LegitFix.
3. For outdoor installations, **seal the connection with self-amalgamating tape**.

### Available antenna types

#### Directional



Directional Antenna with SMA Male connector

#### Omnidirectional



Omnidirectional Antenna

## 3

### STEP 3 OF 5 · POWER SUPPLY

## Connect the Power Supply

1. Run the power cable through the **cable gland**.
2. Connect the wires to the identified terminals: **Live, Neutral, and Ground**.
3. Tighten the cable gland until firm.

## 4

STEP 4 OF 5 · POWER-UP

## Power Up and Wait for Boot

Turn on the circuit breaker and wait for the **complete boot**. The LEDs indicate status:

### During boot (first seconds)

- LED 1** **POWER**  
Steady on — confirming power.
- LEDs 2, 3, 4** **SELF-TEST**  
**Blink together 2 times** simultaneously.

### After boot (normal operation)

- LED 2** **NETWORK**  
Mobile Network connection active.
- LED 3** **DATA**  
Blinks when receiving telegrams from meters.
- LED 4** **STORAGE**  
Blinks when sending data to the platform.



*LegitFix front panel.*

## OPTIONAL LOCAL CONFIGURATION

### Configuration Mode (Local Wi-Fi)

Creates a temporary Wi-Fi network on the LegitFix itself for adjustments.

#### How to activate

Perform **5 ON/OFF cycles** on the circuit breaker (10 to 20s intervals):



Repeat 5 consecutive times

#### How to access

1. Connect to the Wi-Fi network: `TODO[DEFAULT_SSID]`
2. Password: `TODO[DEFAULT_PASSWORD]`
3. Open in browser: `TODO[LOCAL_CONFIG_URL]`

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STEP 5 OF 5 · FINAL VALIDATION

### Validate and Finish

Confirm that everything works by observing the LEDs:

- **LED 2:** On steady for at least 10 minutes (stable connection).
- **LED 3:** Blinking according to the number of meters.
- **LED 4:** Blinking during the transmission of reading data.



#### INSTALLATION COMPLETE

If the three LEDs operate as described, the LegitFix is commissioned.

# Common Issues

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If something is not working as expected, check the scenarios below before contacting technical support. **Each issue includes the recommended corrective action.**

## ! LED 1 (Power) is off

**Action:** Confirm that the circuit breaker is on, measure the voltage, retighten the wires, and turn it back on.

## ! LED 2 inactive for a long time

**Action:** Validate the signal at the site, review APN/Wi-Fi parameters, and restart.

## ! LED 3 never blinks

**Action:** Check antenna position, confirm the meter protocol, and wait.

## ! LED 4 does not blink / Data not arriving

**Action:** Restore connectivity (LED 2) and wait for synchronization.

## ! Configuration mode not activating

**Action:** Repeat the 5 ON/OFF cycles keeping intervals strictly between 10 and 20 seconds.

# B

## APPENDIX B

# Technical Support

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For questions or issues not resolved by Appendix A, please use the channels below.

## Contact Channels

### E-MAIL

[contact@wisermeter.com](mailto:contact@wisermeter.com)



### BEFORE CONTACTING US, HAVE READY

Serial number, IMEI, observed symptom, and LED behavior.

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**ANATEL Certification: 04456-23-14750**

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