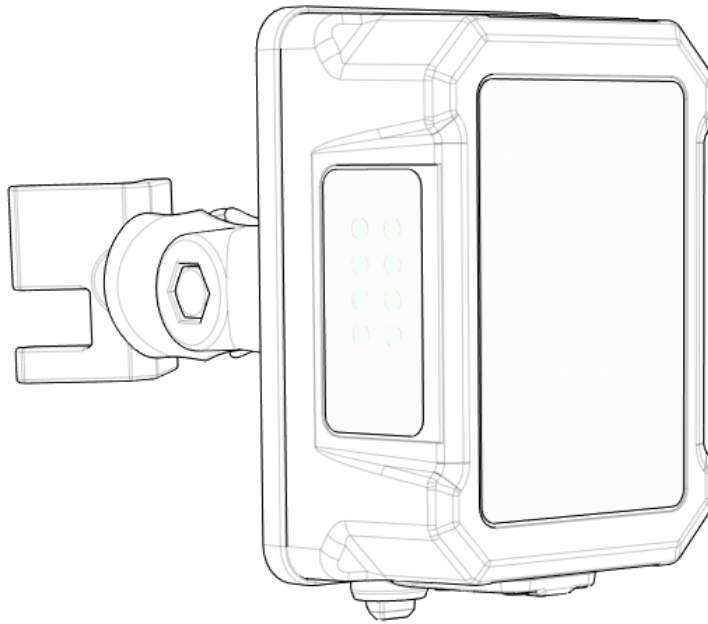


QUICK START GUIDE



SB1 Sensor Bridge



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INTRODUCTION

Thank you for choosing the ReVibe SB1 Sensor Bridge.

The SB1 is a Power-over-Ethernet (PoE) sensor bridge that receives wireless vibration data from up to eight ANURA wireless vibration sensors and forwards it over Modbus TCP to your monitoring and analysis applications. Designed for fast deployment on standard Ethernet infrastructure, the SB1 lets you bring wireless vibration sensors onto your existing network — no additional gateway or software install required.

SYSTEM PARTS

Depending on the purchased configuration, the number of included components may vary. A complete SB1 installation typically includes the following parts:

Name	Part no
System components	
SB1 Sensor Bridge	10083
Mounting accessories	
Mounting Ball Adapter	40008
Double Socket Arm	40007
Hose Clamp Mount	40006

BEFORE YOU BEGIN

Make sure you have:

- - A computer with an Ethernet port (or USB-to-Ethernet adapter) and a web browser
- - An IEEE 802.3af-compliant PoE switch or injector
- - An RJ45-to-Neutrik-etherCON cable
- - Up to 8 ANURA wireless vibration sensors, with each sensor's BLE address noted

QUICK START INSTALLATION

A. Mount the Sensor Bridge

Use the mounting ball adapter, double socket arm, and hose clamp mount to secure the SB1 to a pole, rail, or flat surface near your sensors. The enclosure is rated IP65, so it can be mounted outdoors or in washdown areas. Where possible, keep a clear line of sight to the sensors for the best 2.4 GHz wireless range.

B. Connect to Network

Connect the sensor bridge to a PoE port on your Ethernet switch (or a PoE injector) using the RJ45-to-Neutrik-etherCON cable. The etherCON port supplies both data and 48V PoE power (802.3af) to the SB1 — no separate power connection is needed.

C. Configure Your Computer's IP Address

Set your computer's network adapter to a static IP address on the same subnet as the sensor bridge, for example:

IP address	192.168.0.101
Subnet mask	255.255.255.0

1. Open your network adapter settings and edit the IP assignment.
2. Switch IP assignment from Automatic (DHCP) to **Manual**, and turn on **IPv4**.
3. Enter the IP address and subnet mask above.
4. Save the settings and confirm the adapter shows the new address.

D. Configure the Sensor Bridge's IP Address

Out of the box, the SB1 uses:

Setting	Value
Default IP address	192.168.0.100
Default netmask	255.255.255.0
Default gateway	192.168.0.1

With your computer set up as described in step C, open a web browser and go to `http://192.168.0.100` to reach the sensor bridge's built-in configuration page, where you can change the IP address to match your network.

Note: The sensor bridge can also be found via mDNS at ``anura-aabbccddeeff.local``, where ``aabbccddeeff`` is its MAC address.

E. Register the Sensors

To assign sensors using your PLC management software, follow these steps for each sensor:

1. **Write the BLE address** (converted to UINT16 values) to holding registers **40500–40531**.
2. **Set the address type register** to **0** for a public address or **1** for a private address.
3. **Write 2 to register 40600** to execute the registration.

Once registered, the sensor bridge forwards measurement data via Modbus TCP on port **502** (Unit/Device ID **1**).

F. Sensor Status LEDs

Color	Status
Blue	Connection established, protocol initialization in progress
Green	Connected and fully operational
Green (blinking)	Active data transmission to/from sensor
Orange (all 8)	Device reset in progress

G. Verify the Installation

Confirm each connected sensor's status LED is solid green, then read a few Modbus registers from your host application to confirm live data is arriving before leaving the site.

TIPS

- - Label each sensor bridge with its IP address and MAC address before mounting.
- - Keep the default address (192.168.0.100) noted down until commissioning is complete.
- - If you move the SB1 off its default address, record the new address in your network/DHCP documentation.

PRODUCT CARE

To ensure long-term performance and reliability, follow the guidelines below.

A. General use

Do not drop, throw, or subject the product to excessive force, as this could damage the enclosure or internal components.

It can be a good idea to put a piece of scotch tape to cover the USB-C charging connector. It is waterproof. But typically the environments can be very dusty and thus cause troubles with the USB-C connector.

B. Cleaning

Clean the enclosure using a soft, damp cloth. Do not use abrasive materials or harsh cleaning agents, as these may damage the surface finish.

SUPPORT, WARRANTY & RMA ASSISTANCE

For product support, warranty claims, or to initiate an RMA (Return Merchandise Authorization), please visit the ReVibe Energy website for up-to-date resources and instructions.

<https://revibeenergy.com/>

RECYCLING

This product is marked with the crossed-out wheeled bin symbol, indicating that it must not be disposed of with household waste. The product should be delivered to an authorized collection point for recycling of electrical and electronic equipment.

Proper recycling helps reduce environmental impact, protects human health, and promotes sustainable reuse of materials. For additional information, contact your local authority or the retailer where the product was purchased.

CONTACT

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