



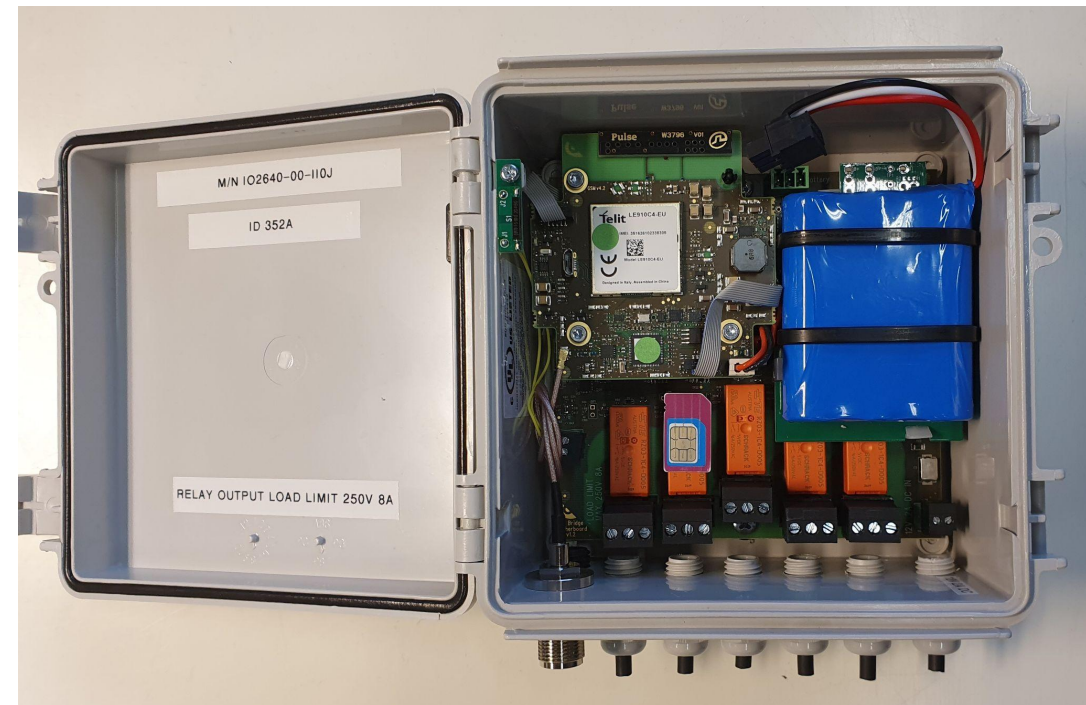
# Reconeyez

**BRIDGE IO 4G (EU)**  
**M/N: IO2640—00—II0J**

[support@reconeyez.com](mailto:support@reconeyez.com)

# BRIDGE IO 4G OVERVIEW

Bridge IO 4G is an expansion of the regular Reconeyez 4G Bridge. It consists of a 4G module, IO module and a backup battery. IO Bridge is powered by an external 12V DC source. This can be an AC/DC adapter, PoE splitter or an external battery. When the external power fails Bridge IO switches seamlessly to operate on the internal backup battery. The IO module includes 5 relay outputs to control external devices.





# BRIDGE IO 4G INCLUDED ACCESSORIES

Bridge IO includes the following accessories:

1. Stainless steel mounting brackets
2. External 2.4GHz dipole antenna
3. M12x1.5 cable glands (qty 6)



2



3



# BRIDGE IO 4G OPTIONAL ACCESSORIES

Optional accessories can be ordered for Bridge IO:

1. AC/DC power supply (LPF-25-12)
2. PoE splitter IEEE 802.3bt (IPOE-175S)

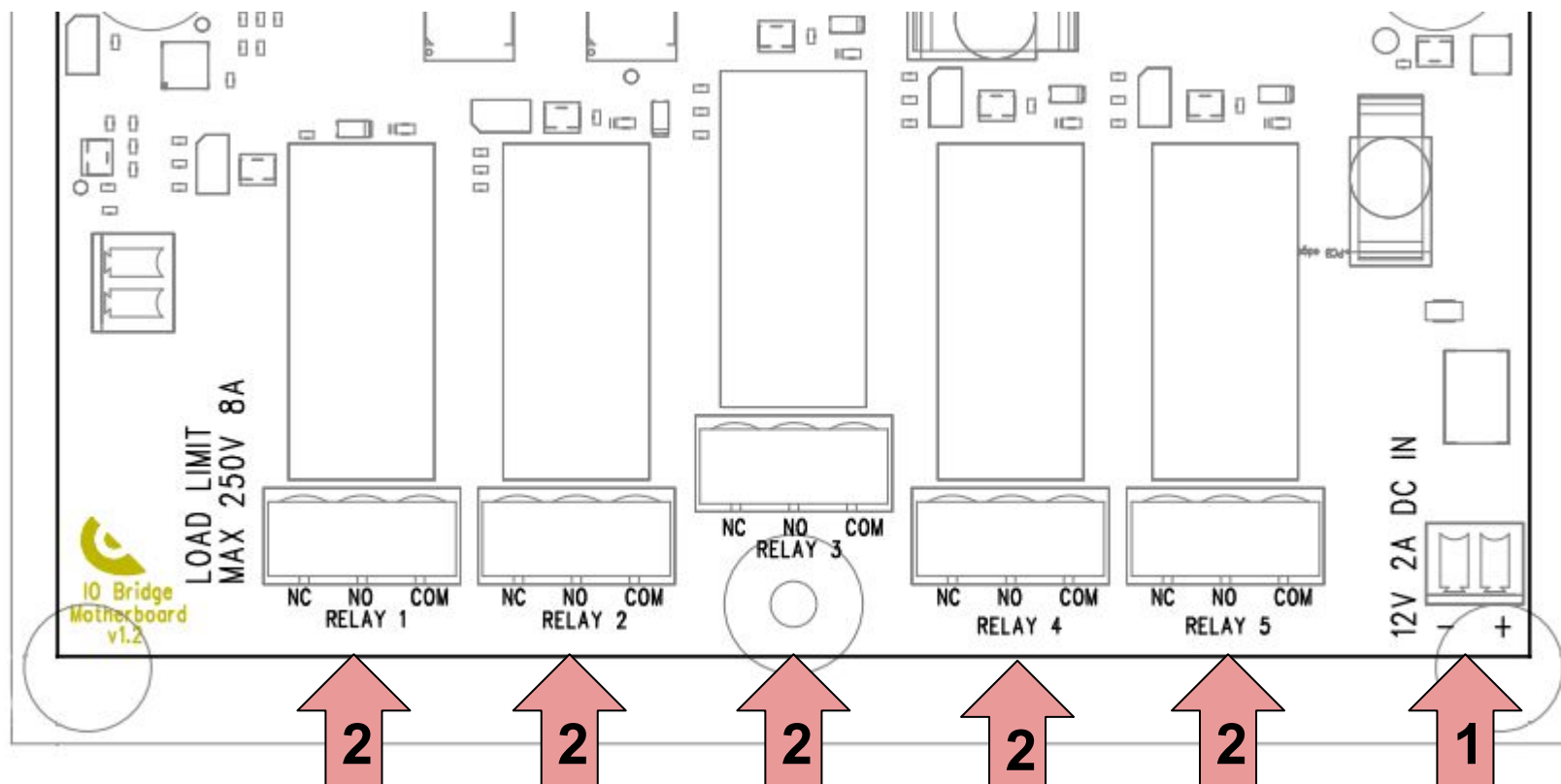


# BRIDGE IO 4G

## POWER INPUT & RELAY OUTPUTS

Cables for power input and relay outputs can be connected to pluggable terminal blocks on the PCB as shown on the image below. Each of these inputs and outputs has a M12 cable gland hole for sealing the cable entry.

1. 12V DC power input
2. 5 Relay outputs



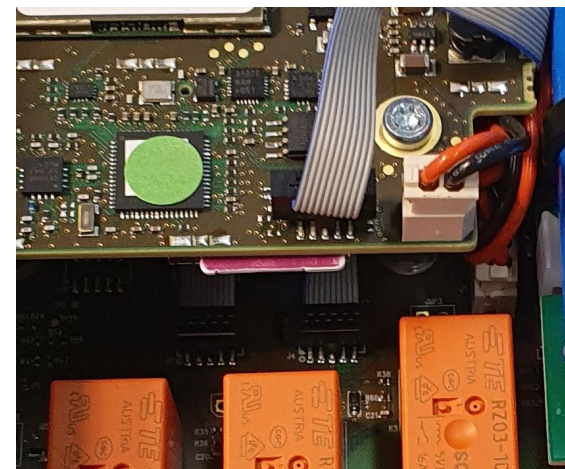
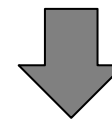
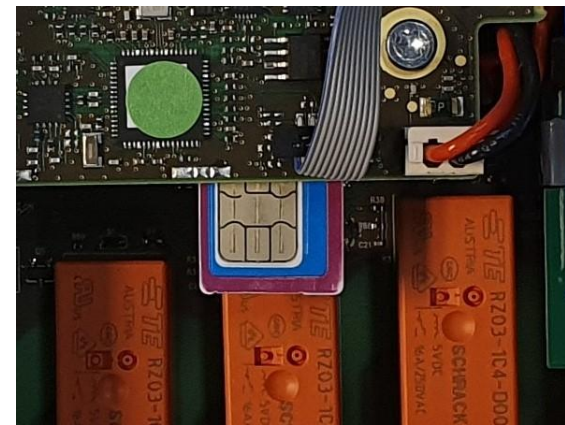
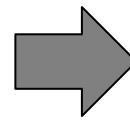
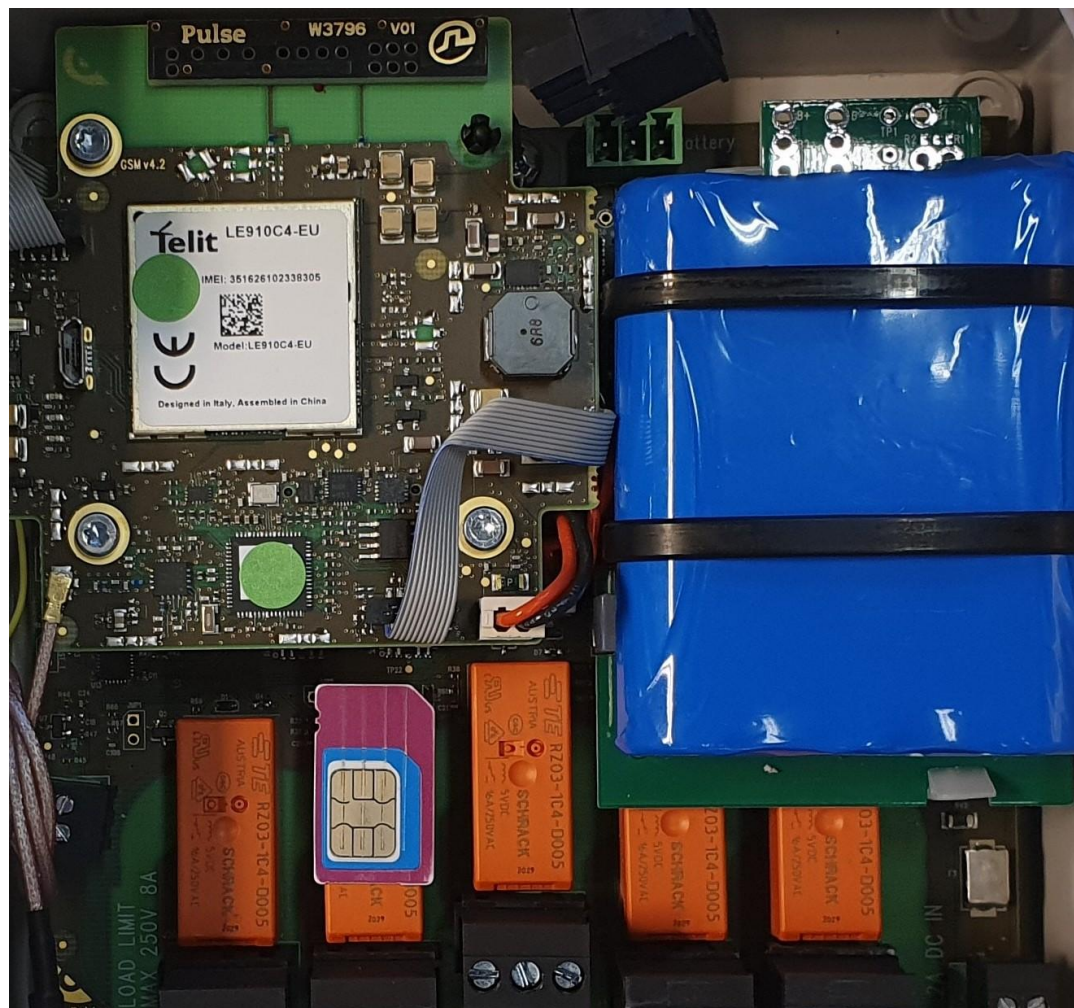


# BRIDGE IO 4G

## Setup guide - SIM card

To enable the data connection of the 4G module, a suitable SIM must be inserted into the SIM socket as shown in the images below. The SIM socket is placed on the bottom side of the 4G module.

Configuration of the SIM settings is the same as for regular 4G bridge. Refer to the “Reconeyez Installation Manual (4G Bridge)”

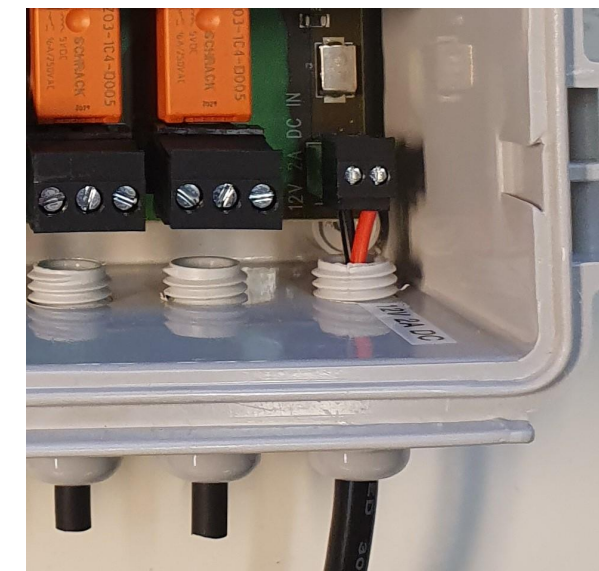
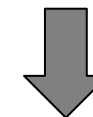
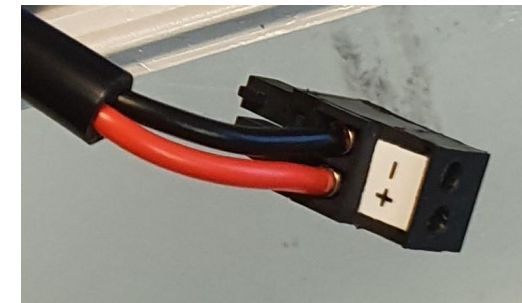
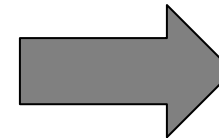
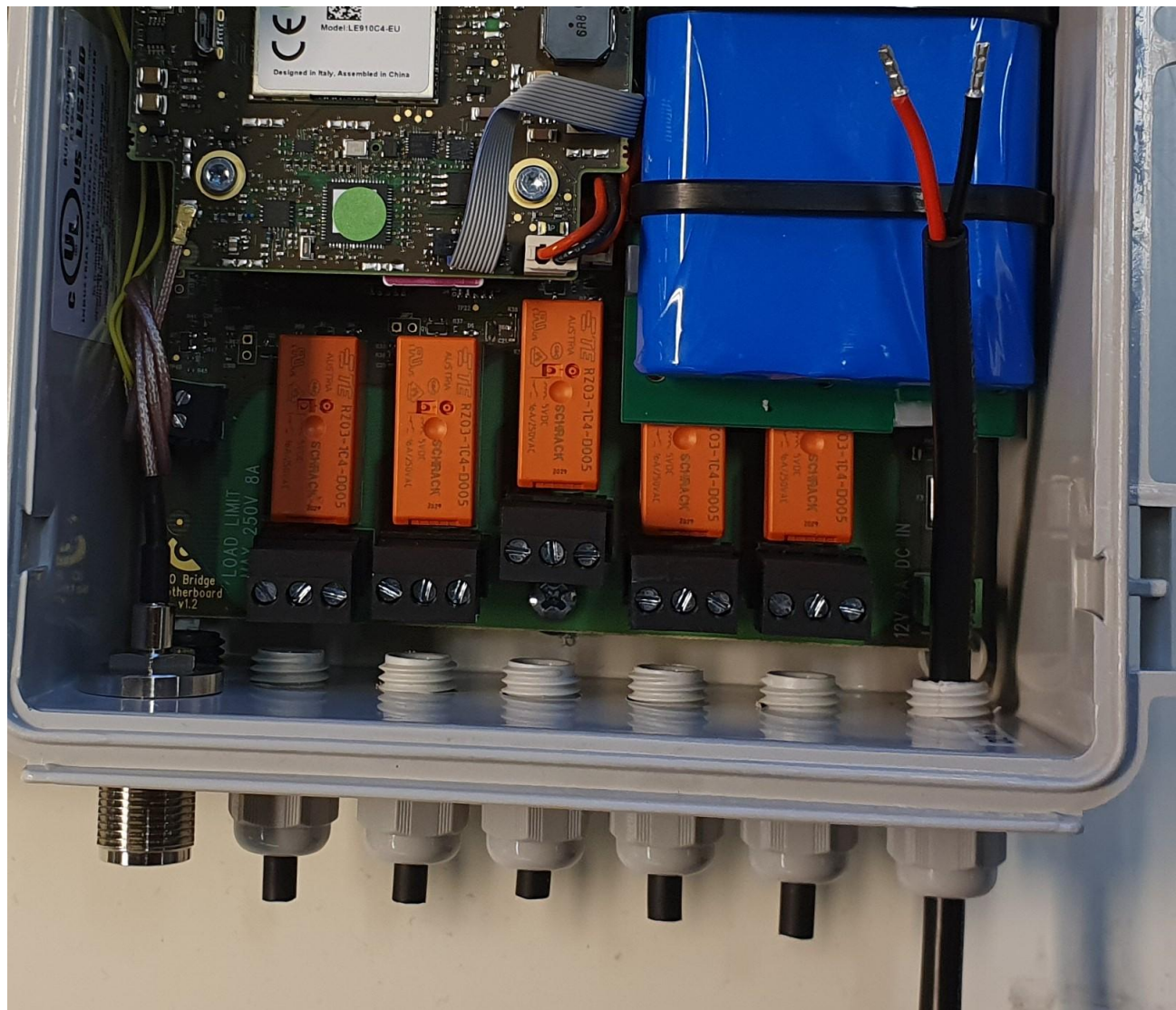




# BRIDGE IO 4G

## Setup guide - external power connection

The main power source for the Bridge IO 4G is external 12V 2A DC supply. The external power cable is connected to the pluggable terminal block, through a M12 cable gland as shown on the images below. Suitable cable external diameter is 3-6.5mm and recommended minimum wire size is 0.75mm<sup>2</sup> / AWG 18.



# BRIDGE IO 4G

## Setup guide - relay output connection

Up to 5 external devices can be controlled via the relay outputs. Each relay output has a M12 cable gland and pluggable terminal block with 3 screw terminals:

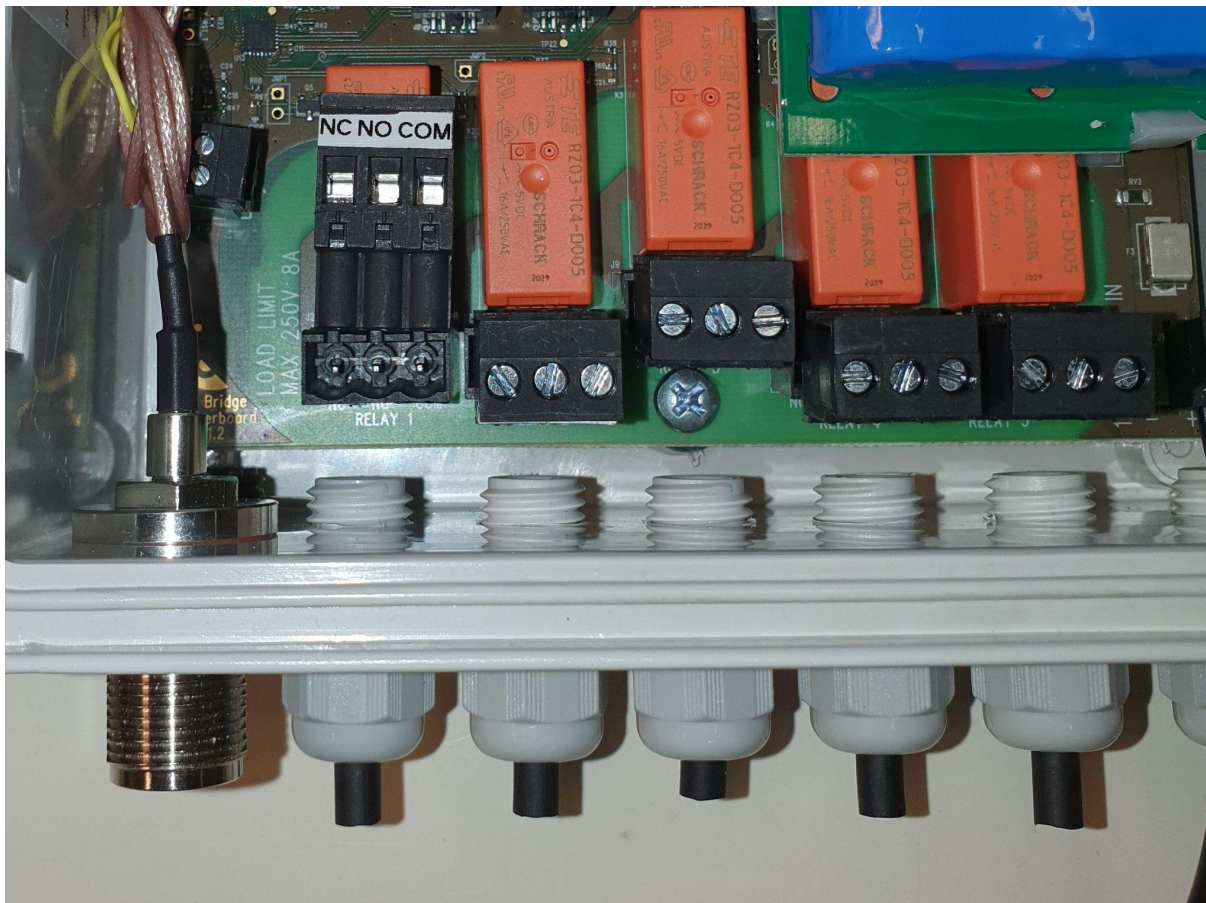
NC - normally closed,

NO - normally open,

COM - common

Recommended minimum wire size for the relay output is 1.3mm<sup>2</sup> / AWG 16

Connect the relay outputs in the same way as external power.

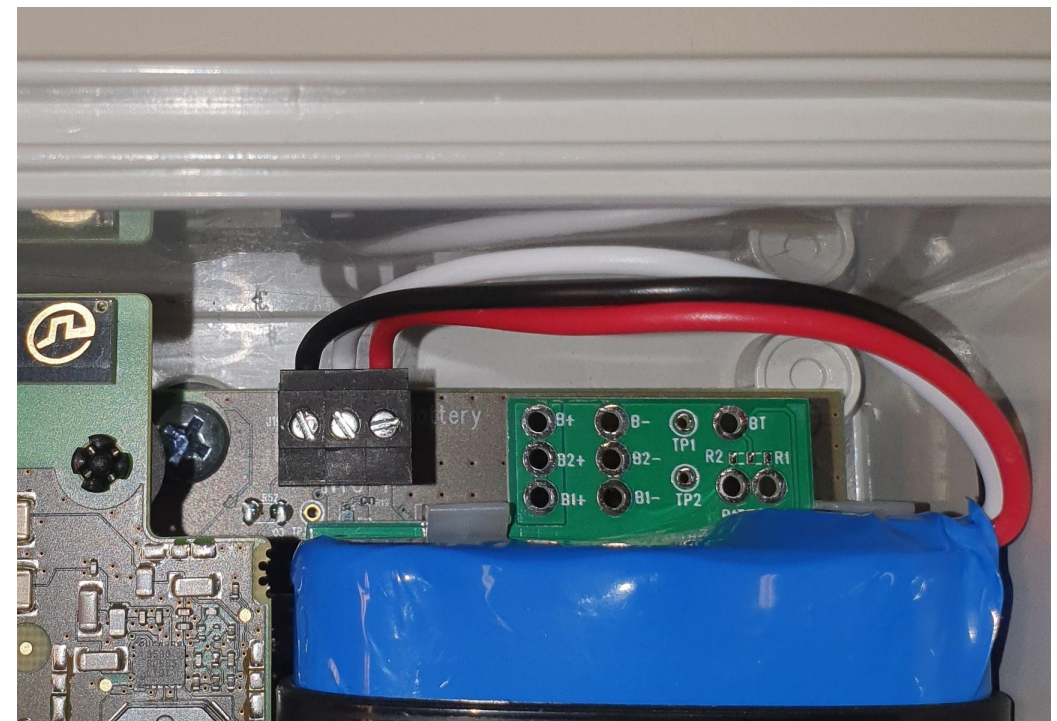
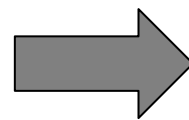
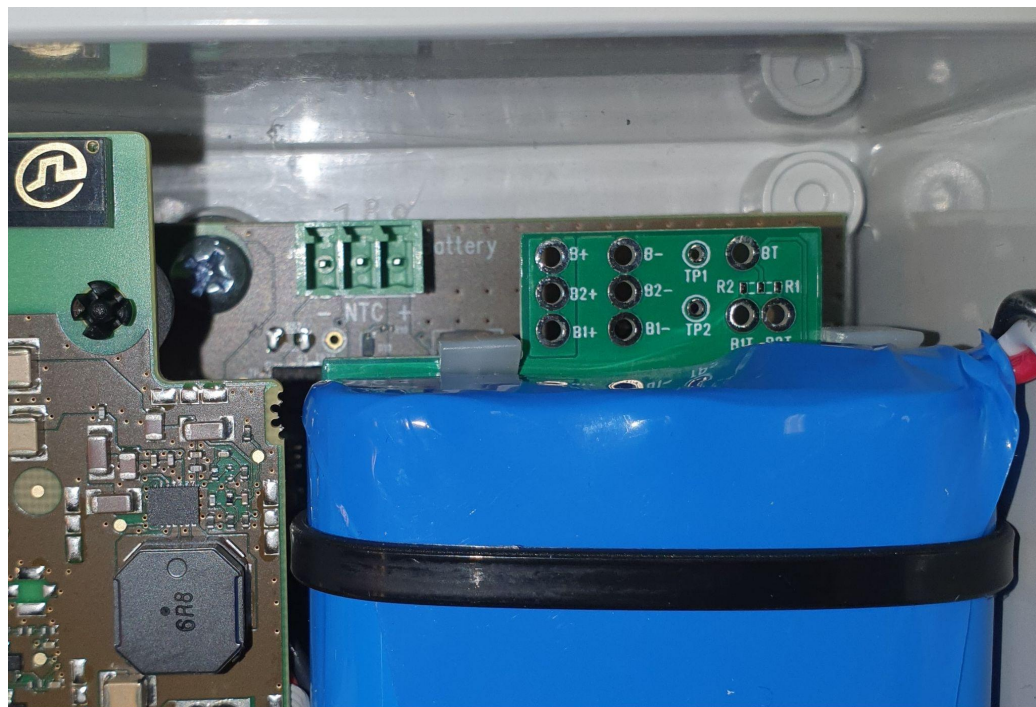




# BRIDGE IO 4G

## Setup guide - backup battery connection

Bridge IO has an internal backup battery. When the external 12V power fails, the device switches to internal backup battery. When the device is not operational, the backup battery must be disconnected. When the device is connected for operation, the backup battery should be reconnected to the board as shown in the images below. Connect the battery as the last step before closing the lid and applying external power. When battery is connected the device is operational.







Thank you!