SENQUIP Quarterly Update

Welcome to the first Senquip quarterly update. If you would like to be added to the distribution list, please send us a message at support@senquip.com.

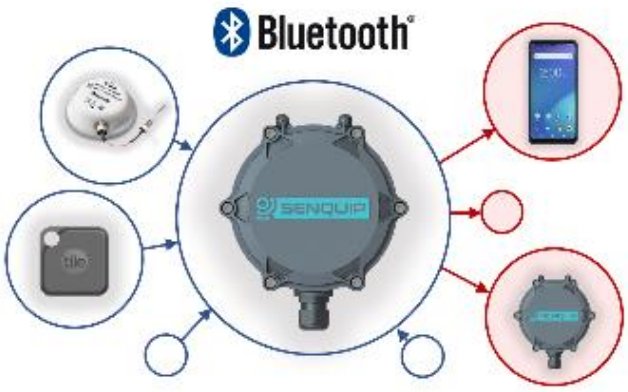
Solar panel accessory

Macquarrie Corporation have released a solar panel kit to compliment the ORB. The ORB has a built-in solar regulator and backup battery, making the solar kit plug-and-play.

The ORB can power an external sensor day and night by boosting the internal battery to provide a 12V power source.

For more information on the solar kit, please visit Macquarrie's website or contact them on +61 3 9358 5555.

Bluetooth now enabled on all Senquip devices



Senquip devices can now read data from Bluetooth beacons and can act as beacons itself, sending data to a phone or tablet.

Create a wireless network of sensors from companies like ELA and measure temperature, humidity, voltage, pitch, roll, vibration and more.

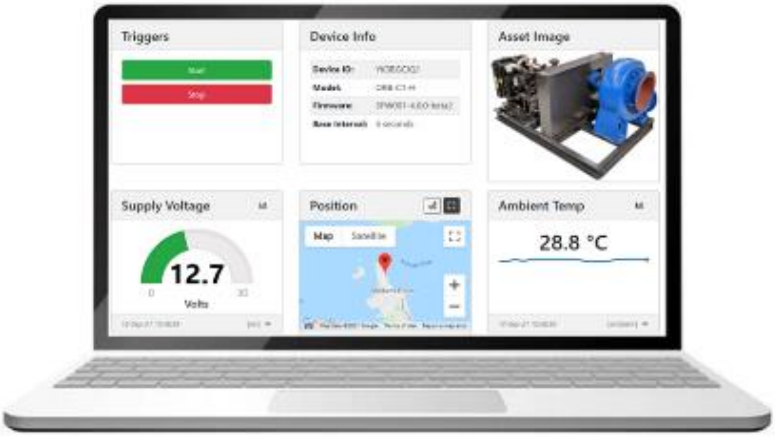
All Senquip devices support Bluetooth, to enable it on your device, please update to the latest firmware.

Triggering remote actions from the Senquip Portal

Control remote devices by adding trigger buttons to the Senquip Portal.

Pressing the button will activate a user written script that will run remotely on the Senquip device.

Turn on an output, take a measurement, send a serial or CAN bus message, or more.



Senquip software partners

Senquip devices make it easy to send data to the platform of your choice

We are partnering with dashboard, AI, and integration platforms to test communications and interoperability. If there is a platform that you would like Senquip to integrated with, please let us know.

Support for CANopen

Senquip devices with CAN bus now support CANopen.

CANopen is widely used in off-road vehicles, maritime electronics, railway applications, and building automation.

Latest scripting features

```
load('senquip.js');
load('api_config.js');
load('api_endpoint.js');

SQ.set_data_handler(function(data) {
  let obj = JSON.parse(data);

  // Base 64 decode example:
  let b64 = "VGhpcyB0ZXh0IHdhcyBiYXNlNjQgZW5jb2
  let decoded = SQ.atob(b64);

  let DevModel = Cfg.get('device.model');
  let DevId = Cfg.get('device.id');
  let DevName = Cfg.get('device.name');

  // Publish data to MQTT connection
```

Senquip will continue to develop the scripting engine, adding new functions to simplify implementation.

- Functions for publishing custom MQTT messages to arbitrary brokers.
- New functions to simplify parsing of serial messages
- Cellular and device information now available within a script.
- HTTP post and UDP send functions added
- Automatic CRC creation function.
- Complete control of serial and current sources from with a script.

Find the latest firmware in the firmware release guide.

Interesting sensors

Check out this interesting oil property sensor from TE.

The FPS2800B12C4 is an oil property sensor that will directly and simultaneously measure the viscosity, density, dielectric constant and temperature of low conductivity fluids.