RENESAS

BIG IDEAS FOR EVERY SPACE

OB1203SD-BT2-EVK
QUICK START GUIDE

Evaluation kit for Heart Rate, SpO2, and Respiration Rate

① Battery ON position

② Battery ON position = toward battery connector
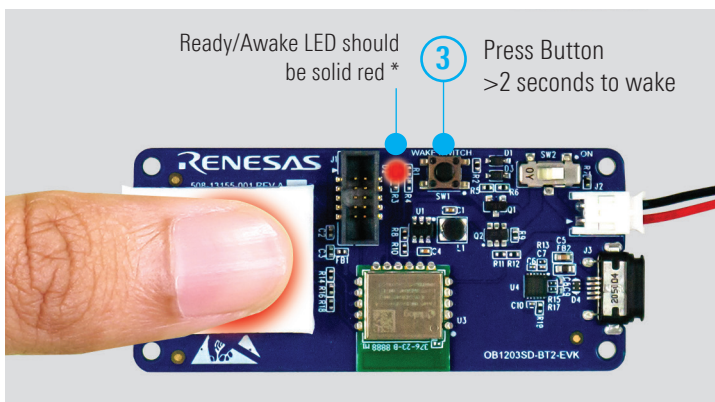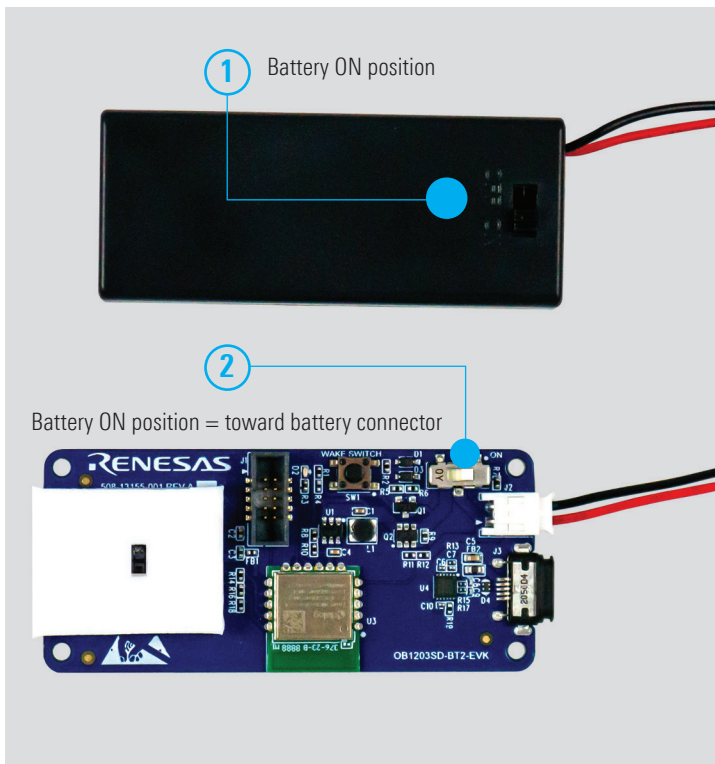
Go to: **renesas.com/ob1203sd-bt2-evk/dashboard.html**

Note: The Web Application runs on Microsoft Edge or Google Chrome using a Windows PC (V10 or above). It uses the computer's built in Bluetooth (BLE) capability to connect to the EVK. PC's Bluetooth must be enabled.

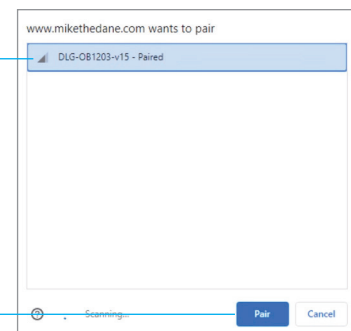Compatible browsers are listed here: **caniuse.com/web-bluetooth**

*OB1203SD-BT2-EVK will time out after ~30s without a finger on the sensor to extend battery life.
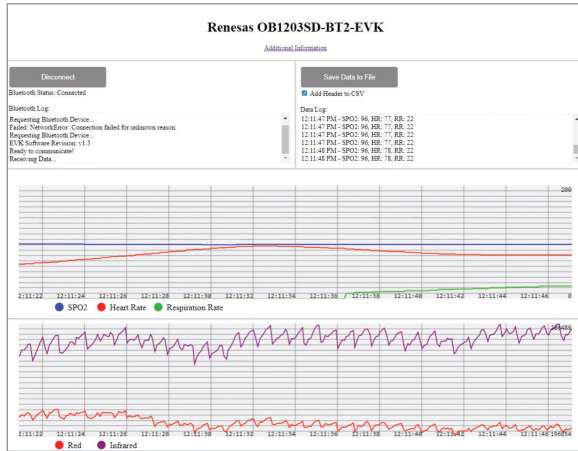
④ Click connect

Ready/Awake LED should be solid red *

③ Press Button >2 seconds to wake
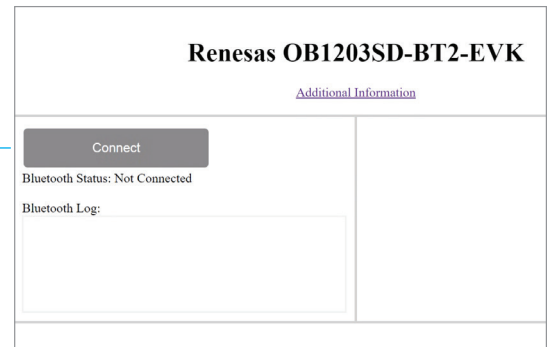
⑤ Select

⑥ Click pair

**renesas.com/OB1203SD-BT2-EVK**

⑦ Observe and evaluate

Optionally the measurements can be observed using a USB cable and SerialPlot.

hackaday.io/project/5334-serialplot-realtime-plotting-software/log/192838-serialplot-v012-release

Note: USB connection must be plugged in AFTER the board is powered up (red LED on).

Optionally the measurements can be observed using a USB cable and PuTTY

chiark.greenend.org.uk/~sgtatham/putty/latest.html

Note: USB connection must be plugged in AFTER the board is powered up (red LED on).
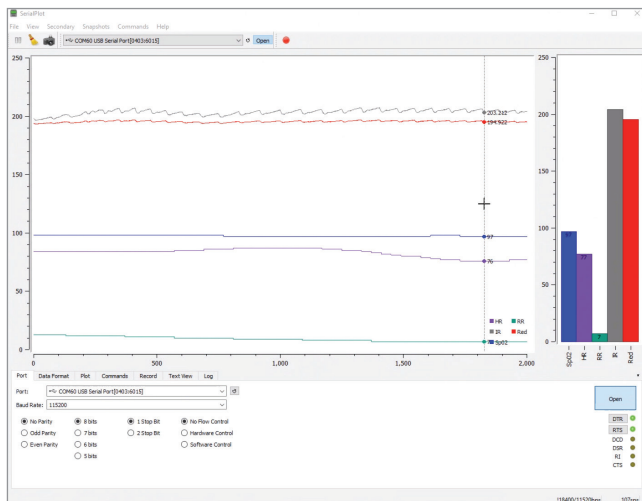
Port: Baud Rate 115200, No Parity, 8 bits, 1 Stop Bit, No Flow Control

Data Format: ASCII, Number of Channels: 5, Column Delimiter: comma
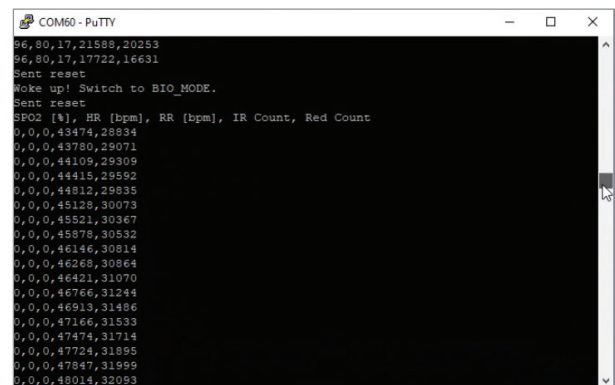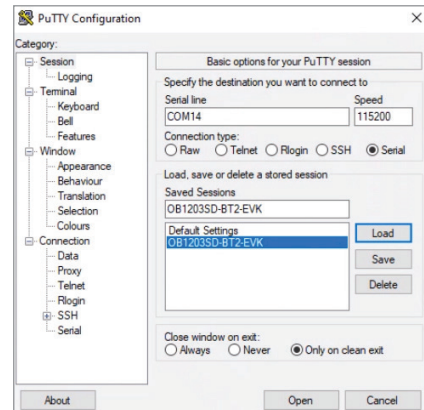
Notice and Disclaimer

The OB1203SD-BT2-EVK is provided for reference, demonstration, and/or evaluation. No performance is guaranteed or warranted, nor is fitness or suitability for any medical device application claimed. Renesas will not indemnify customers using any part of the provided reference code. OEM is responsible for performance of products made using any of the provided reference code. For general questions contact Renesas. In addition, for medical devices Renesas strongly recommends to consult a medical device regulatory compliance advisor