

USB SpeedLink OTG (USB-OTG) USER GUIDE

IMPORTANT - Please read this document before using the USB-OTG software. Every effort has been taken to ensure the accuracy of this document; however, we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.

IMPORTANT - SAFETY

If using the USB-OTG software for configuration, be aware instrument output states (analogue and relay) may change to non-defined conditions **during** the write command. Ensure any application is protected against this until any new configuration has been sent and the instrument has returned to normal operation. While passively connected and during read commands the instrument will operate normally.

IMPORTANT - REQUIREMENTS

An Android phone or tablet running Android operating system 6 or later.
The latest version of USB SpeedLink OTG software can be downloaded from the Google Play Store or www.status.co.uk.
A USB "On the Go" (OTG) lead suitable for the USB port type on the Android phone or tablet.
A USB lead to connect the OTG lead to the instrument, this will typically be a USB A to mini-B type but may differ for some products please refer to datasheets for more information.

NOTE 1– Connection to a compatible Status Instruments Product will add an additional drain to the battery of the Android phone/tablet. Extended connection may cause the phone's/tablet's battery to completely discharge.

NOTE 2 – The connected instrument does not need to be powered for configuration operations. However, to read and display live data within the USB-OTG software the instrument will need to be powered.

1~LIMITATIONS.

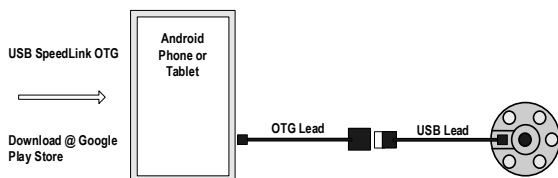
Some Status Instruments products will have limited functionality within the USB-OTG software. Extended sensor lists, user non-linearisation tables, and some other advanced options may not be available (refer to product datasheets). For full functionality it may be necessary to use USB SpeedLink the PC based version of configuration software, downloaded from <https://www.status.co.uk/product/usb-speedlink/>

2~CONNECTION.

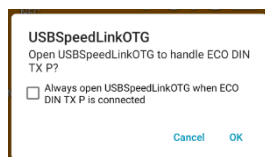
2~1 SOFTWARE START

Run the USB-OTG app on the Android phone/tablet.

2~2 PHYSICAL CONNECTION



Connect the OTG lead to the Android phone/tablet, connect the USB lead to the OTG lead.
Connect the free end of the USB lead to the instrument to be read/configured.

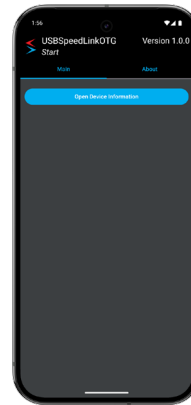


The first time an instrument of a previously unconnected type is connected a message box will appear. Tick and OK the message box to acknowledge.

When next connected an instrument of an acknowledged type the software will automatically launch.

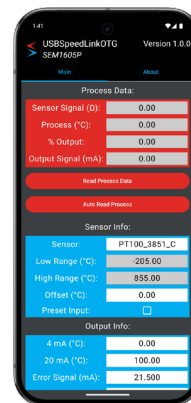
The Instrument should now be recognised by the USB-OTG software and be ready for communication commands.
The home screen will open.

2~3 HOME SCREEN



From the home screen press the "Open Device Information" button.
The Device Information screen for the instrument type will open

2~4 DEVICE INFORMATION SCREEN



Instrument type information will be displayed at the top of the screen.

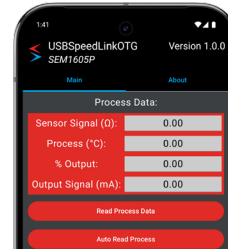
Live data can be shown in the red section.

Configuration data can be shown in the blue section

Note: A default configuration will be shown that may not be the current configuration stored on the instrument (see 4.1).

3~READ DATA

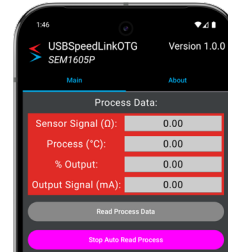
3~1 LIVE DATA READ



Press the red "Read Process Data" button.
Live data values for the input and output conditions will be read and displayed, if the instrument is not powered the values may show incorrect data (See NOTE 2).

The data available will vary between instruments depending on type.

3~2 LIVE DATA AUTO READ



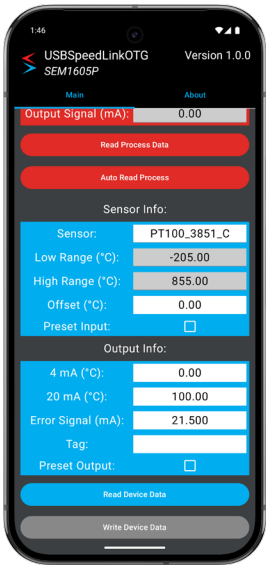
Press the red "Auto Read Process" button.
Live data values for the input and output conditions will be displayed and will refresh every few seconds, if the instrument is not powered the values may show incorrect data (See NOTE 2).

The button will turn pink. Press again to stop the auto read function.

4~CONFIGURATION.

4~1 READ CONFIGURATION

Scroll down to display the blue configuration data section of the screen display.
Initially this section will display a default configuration.

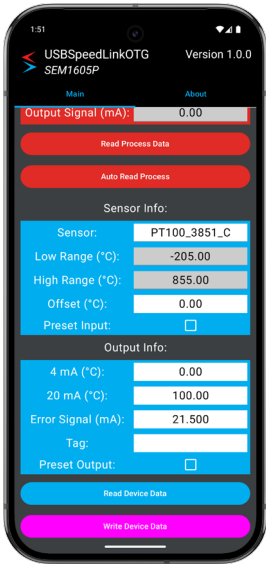


Until the configuration has been read for the first time a new configuration cannot be sent to the instrument.
Press the blue “Read Device Data” button.

An acknowledgement on successful read should show briefly.

The instrument configuration will be displayed.

4~2 WRITE CONFIGURATION



The instrument configuration can now be edited as required.
The data available for configuration will vary between instruments depending on type.

Note: Values in Grey boxes cannot be altered

When the configuration has been entered as required press the pink “Write Device Data” button this will send the configuration to the instrument.

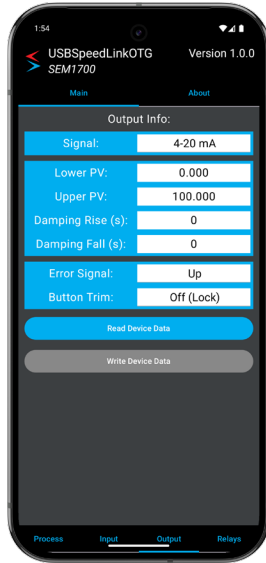
An acknowledgement on a successful write should show briefly.

Re-reading the configuration to confirm its successful transfer is recommended.

4~3 MULTI TAB CONFIGURATION



Some instrument types will have multiple tabs for configuration. To navigate between tabs swipe left or write as required.



Example of a multi tab instrument.

6~QUICK STEPS GUIDE

Configuration steps
Connect power, input sensor, and output as required
Connect Android phone/tablet to instrument, run USB-OTG software
Perform initial read of the instrument configuration.
Modify configuration as required
Write new configuration to instrument
Read live data to confirm correct operation of the instrument

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