

USBTTX CONFIG USER GUIDE

ATEX / UKEX APPROVED MODULE FOR TTR200X, TTC200X,
SEM1801XR, SEM1802XR, SEM1801XTC, SEM1802XTC
FOR USE IN SAFE AREA ONLY.



Important - Please read this document before any installing.

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 – CE, UKCA & SAFETY REQUIREMENTS

Product must be used inside a suitable safe area.

The product contains no serviceable parts, or internal adjustments. No attempt must be made to repair this product. Faulty units must be returned to supplier for repair.

This product must be used by a qualified person.

ABSOLUTE MAXIMUM CONDITIONS (To exceed may cause damage to the unit) :-

Ambient Temperature (0 to 40) °C Humidity (10 to 95) % RH (Non condensing)



1.0 DESCRIPTION

1.1 The USBTTX ATEX / UKEX approved module in conjunction with the USB-CONFIG-MKII configuration unit provides a USB powered interface between a Windows computer and Status Instruments TTR200X, TTC200X, SEM1801XR, SEM1802XR, SEM1801XTC, SEM1802XTC configurable temperature and process instruments.

1.2 Using a standard PC USB port the module enables the user to interrogate their equipment. The transmitter or any connections to it must be located in the safe area. Including re-ranging and re-configuration using a Windows based interface.



2.0 RECEIVING AND UNPACKING

2.1 Please inspect the packaging and instrument thoroughly for any signs of transit damage. If the instrument has been damaged, please notify your supplier immediately



3.0 PRECAUTIONS

3.1 **Do not** allow the two terminal/crocodile clip connections on the output of the USBTTX to short together, the module provides 24V DC across these terminals in order to power the unit under configuration. Whilst the USBTTX Config is protected by a self-resetting circuit, certain models of PC are not protected against high current draw from their USB ports and damage could be caused if the user is not careful.

3.2 **Do not** attempt to configure anything but approved configurable equipment; doing so could damage the USB Configuration equipment as well as the host computer.

3.3 Connecting the USBTTX configuration module to powered equipment incorrectly can **permanently damage** the USB configuration equipment or the TTR200X, TTC200X, SEM1801XR, SEM1802XR, SEM1801XTC or SEM1802XTC.

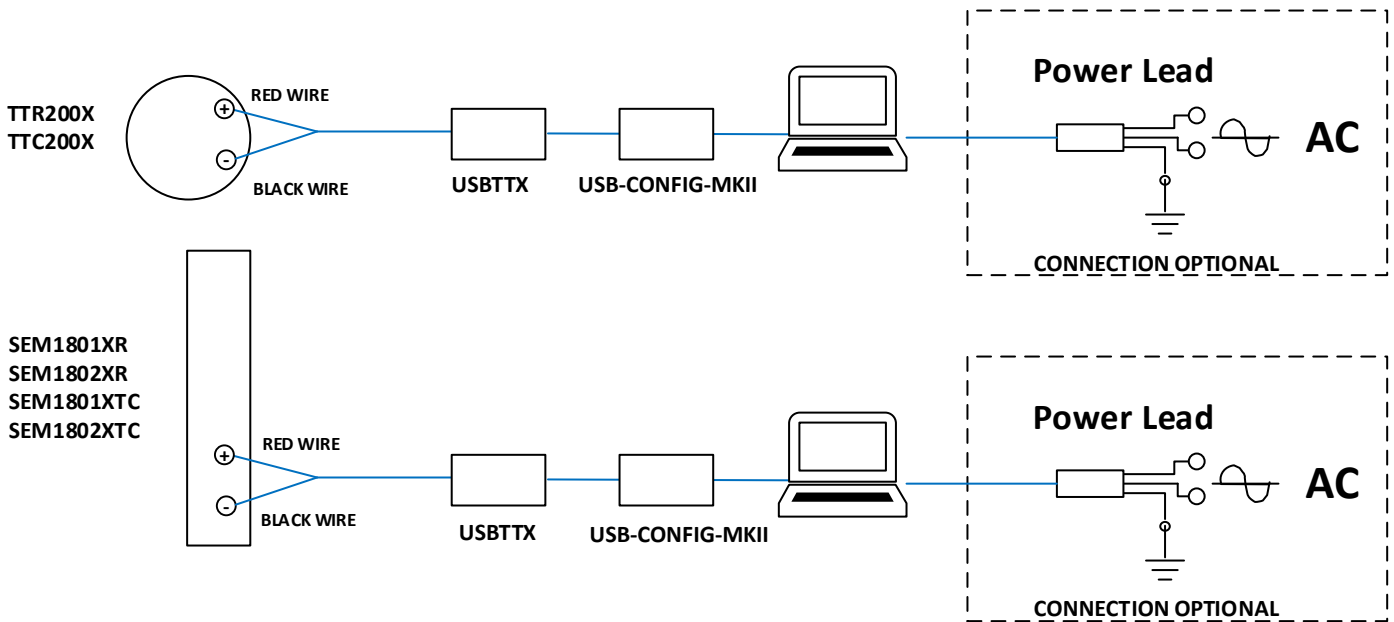
3.4 **Do not** use the USB Configuration equipment as a power supply, and ensure that it is not (accidentally or intentionally) used to power a process loop or any other instrument.



Configuration – Only to be performed in the safe area

The TTR200X, TTC200X, SEM1801XR, SEM1802XR, SEM1801XTC, and SEM1802XTC can only be configured whilst connected to the USBTTX and USB-CONFIG-MKII, powered by a Windows computer. This may only be performed in the safe area.

Note:- The instructions contained in this document supercede any information or documentation supplied with the USB-CONFIG-MKII module when it is used with the USBTTX.



4.0 OPERATION

- 4.1 To use your USBTTX configuration equipment you will first need to install USB Speedlink software, which is available as a free download from <http://www.status.co.uk/software.html>. You will also need a Status Instruments USB-CONFIG-MKII configuration module.
- 4.2 Connect the USB-CONFIG-MKII module to a Windows computer using the integral USB lead, connect the USB-CONFIG-MKII module to the USBTTX ATEX/UKEX unit with the jack plug and socket connection.
- 4.3 Use either the crocodile clips or the ferrule connectors to attach the USBTTX module via its jack plug connection to the (4 to 20) mA loop connection pins on the TTR200X, TTC200X, SEM1801XR, SEM1802XR, SEM1801XTC or SEM1802XTC.
- 4.4 Connect the unit you wish to configure to the USBTTX module via the appropriate leads, refer to the instruments user guide for the connection details.
- 4.5 The software will recognise when the USB-CONFIG-MKII module is attached. This may take a few minutes the first time the USB-CONFIG-MKII Module is attached while the software drivers are loaded.
- 4.6 In the USB Speedlink software select the type of instrument to be configured, the USB equipment will now communicate with the instrument and present the correct screen for configuring the instrument.
- 4.7 Note:- For SEM1802XR and SEM1802XTC each channel will need to be connected to and configured individually.

5.0 SPECIAL CONDITIONS FOR USE

- 5.1 The USBTTX is only to be connected to a Windows personal computer or Windows laptop type computer via a Status Instruments USB-CONFIG-MKII module
- 5.2 The USBTTX with USB-CONFIG-MKII and connected computer are only to be used in the safe area
- 5.3 Indoor use only. The temperature sensor must be located in the safe area when being used with the USBTTX Config. For use with TTC200X, TTR200X, SEM1801XTC – SEM1802XTC and SEM1801XR- SEM1802XR temperature sensors certified under IECEx TRC 10.0008X, TRAC09ATEX11232X and CML21UKEX2528X.

6.0 MARKING



7.0 GENERAL INFORMATION

7.1 The ATEX/UKEX USBTTX module is powered completely from the USB port on your computer via the Status Instruments USB-CONFIG-MKII; you do not require an external power supply for configuration. The USBTTX module will power the instrument connected to it during the configuration process for configuration and can also take live readings and perform certain adjustments.

It is not recommended to leave the module plugged into a laptop computer for long periods of time when the laptop is running on batteries as this will affect battery life adversely, especially if an instrument is left connected to the configurator.

7.2 If you have any questions regarding the configuration of Status Instruments equipment please contact your supplier.

7.3 Please see the Status Instruments website – <http://www.status.co.uk> for a wide range of temperature and process equipment with direct PC to instrument USB configuration, removing the need for a configuration module altogether.