



Power Solutions To Thermal Measurement

- Loosen the Antenna plug and rotate the antenna to a different orientation. Retighten the plug after.
- Move the position of the RF ThermaData Logger a little at a time until the signal improves.

PLEASE NOTE: Radio frequency waves travel in straight lines so ideally the base-station and the ThermaData Logger should not have any large metal object in a direct line between them.

To monitor temperatures in chambers, fridges and freezers a RF ThermaData Logger with a remote probe should be used. Place the logger on the outside of the device on the side nearest the base-station or on the top. Place the probe inside the chamber, fridge or freezer.

Brick, block and stud walls will reduce the signal strength depending on their density. The signal should travel through two or three walls without severe degradation of the signal.

ATTENTION - This logger is fitted with a SL-750 1/2 AA 3.6V Tadiran battery. Failure to use the same type of battery will result in an error with the logger.

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

PLEASE NOTE: Due to regular software updates, please visit the download page on our website [ELITD.com/downloads](http://www.ELITD.com/downloads) to ensure you have the latest version.



RF ThermaData® loggers

wireless temperature monitoring



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Quick Start Guide



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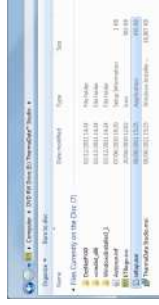
QUICK START GUIDE FOR THERMADATA® RF LOGGERS

Models: WTB, WTB1F, WTB1F/3, WTB1C, WTB1C, WTB1C, WTB2F, WTB2F/3, WTB2C, WTB2C

- Remove old versions of ThermoData Studio software prior to installing new version (your data files will not be removed or lost).
- Install the software by following on-screen instructions BEFORE plugging the base-station into PC (see below for more information).
- Open the ThermoData Studio programme using the desktop icon.

PC SOFTWARE INSTALLATION

- Place the CD in the CD drive. The CD will autorun. (If it does not, click 'Start', 'Run...' and browse to the CD drive and click 'Setup.exe'.



or double click the 'My Computer' icon on the Desktop and double click the CD drive.



- ThermoData Studio Software requires Microsoft .Net Framework to be installed on the PC. Some PCs will already have this installed but if not it will be installed from the CD. Click the 'Accept' button in the 'Microsoft License window'. (This may take a few minutes to install). When installed, the ThermoData Studio software installation will resume.

- The program files will be installed by default to... "C:\Program Files\ETI Ltd\ThermoData Studio\". (Recommended). The 'Browse' button can be used to install to an alternate location (Advanced Users). The 'Disk Cost' button will show the space on available drives and the amount required.

- The software may be installed for the current user or all users of the PC. The default installation is 'Everyone'. Select the alternate button for 'Just me' (Advanced Users).
- The final installation dialogue box gives a last opportunity to go back and revise the installation settings. Click the 'Next' button to install the software. A moving bar will show the installation progress.
- Click the 'Close' button to exit the installation procedure.
- An icon for the ThermoData Studio software will be placed on the desktop. ThermoData Studio and Help shortcuts will be placed in 'Start' - 'Programs' - 'ETI Ltd' - 'ThermoData Studio'.

SETTING UP THE BASE-STATION

- Attach the antenna to the rear of the base-station by screwing the antenna plug onto the base-station socket until finger tight. Start with the antenna pointing vertically up from the base-station.
- Plug one end of the USB cable into the USB socket on the back of the base-station and the other end to a USB socket on the PC. The base-station will automatically be recognised and a new summary document will open on the ThermoData Studio software.
- If any RF ThermoData loggers are within range of the base-station they will automatically be recognised and they will appear in the summary document. This is real-time data being transmitted from the loggers.
- 'View' readings using data window or graph window.



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SETTING UP THE LOGGER TO LOG TEMPERATURES

- Click the RF ThermoData Logger tab on the software and click the 'Logger Settings' icon in the 'Control' icon group. Enter a name for the logger in the Title (User ID) box.
- Select temperature settings for 'over' or 'under' alarm using the drop-down menu boxes.
- Select the data storage method – 'Stop when full' or 'Overwrite oldest data'.
- Select a 'Start Delay' (note: for immediate start enter 0 hours, 0 minutes).
- Select the logging interval (note: the total time the log will last is shown below the drop-down box).
- Click the 'Send Settings' button.
- Start the logger by clicking the 'Start button' on the PC screen or using the magnet key fob (supplied with the base-station) until the LEDs flash.

READING THE TEMPERATURES STORED IN THE LOGGER

- Click the RF ThermoData Logger tab on the software and click the 'New Document' icon in the 'Download' icon group.

TESTING SIGNAL STRENGTH

- Place the ThermoData Loggers in position for the measurements you require.
- Click the RF ThermoData Logger tab on the software and click the 'signal strength' icon in the 'Advanced' icon group. The more green showing in the signal strength bar the better the signal.

If the signal strength is weak:-

- Move the base-station to a different location away from any metal objects but still keeping it plugged into the PC.
- Raise the base-station up high to achieve a more uninterrupted 'line of sight' to the RF ThermoData Loggers.
- Move the antenna from vertical to horizontal orientation by using the adjustable hinge near its base.