

**Troubleshooting**

**Understanding the BTIF1000 LEDs.**

The LEDs on the BTIF1000 inform the user of the device's current state. LED modes fall into four main groups:

1. **All the LEDs off** - the device is asleep
2. **Green LEDs blinking** - the device is waking up and getting ready to communicate
3. **Blue LEDs blinking** - the device is awake and ready to be discovered
4. **BLUE LEDs constantly on** - a connection has been made to the device

**Nothing happens when I press the button on the BTIF1000 module.**

If nothing at all happens after a battery press, the batteries are depleted. Replace with a fresh 2/3AA lithium battery such as the Tadiran TL-5955.

**When I press the button on the BTIF1000 module, the green LED flashes slowly but nothing else happens.**

The green LED flashing pattern indicates that the battery voltage is too low to successfully boot the BTIF1000. The device has inhibited Bluetooth® operations until the battery is replaced.

**One or both of the LEDs on the BTIF1000 module are flashing randomly. When I press the button, nothing happens.**

Random LED patterns are often indicative of depleted batteries. The green LEDs will also flash to indicate data transfer across the Bluetooth® link. If a connection cannot be established, then the batteries need replacing.

**The software reports 'no devices in range'.**

There are many factors affecting the achievable range of the BTIF1000 module. The make and manufacturer of the Pocket PC is also a factor affecting range. If the software fails to recognise a BTIF1000 module, but the blue LEDs are still flashing (indicating a successful initialization) then try moving

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the Pocket PC closer to the BTIF1000 module. If this fails to work, press the button on the BTIF1000 to trigger a reset. Remember that the blue light must be flashing before the device can be discovered.

**The software reports 'no devices in range' but my Bluetooth® enabled cell phone is sitting next to it. Why is this?**

The Pocket software is designed to filter out most non-logger Bluetooth® targets. Cell phones, PCs and other Bluetooth® devices will not appear in the discovered devices box.

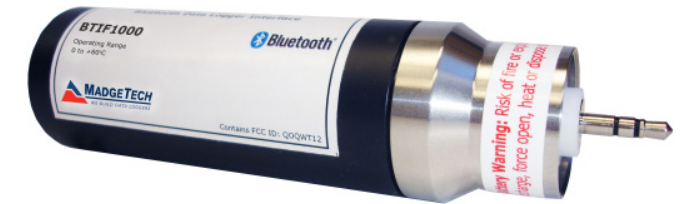
**My logger appears as 'BTIF1000 (No device found)'. Why is this?**

This message is received when the BTIF1000 module cannot connect to a data logger. Occasionally, this message is received in error - if the software can correctly identify your logger, then don't worry. If the software cannot identify a logger, then check the connection between the BTIF1000 and your data logger, or the battery in your data logger.

**The software discovers my logger, but when I click *Connect* it informs me that the connection failed.**

The BTIF1000 modules are designed to power down after two minutes of inactivity. If two minutes have elapsed between the module being activated and a connection attempt, the software will be unable to connect to the device. Activate the BTIF1000 module before trying to connect again.

BTIF1000



**BTIF1000**  
Bluetooth® Interface for 1000 Series Data Loggers

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## Product Operation



### Activating the Logger Interface

With the BTIF1000 Bluetooth® interface module connected to your logger, briefly press the rubber button on the top of the Bluetooth® module. After a short moment, the module should start to flash green. Once a logger has been correctly identified, the module will flash blue. When blue flashing is observed, the module is ready for connection.

### Searching for Available Loggers

When the BTIF1000 Bluetooth® module is ready for connection, tap the *discover devices* button on the MadgeTech Pocket main window. Search time can vary depending on the number of devices available; please be patient while the system searches. When the search is complete, available Bluetooth® devices can be found in the *Discovered Devices* box.

### Connecting

Before a logger can be identified, a connection must be made to the BTIF1000 Bluetooth® module. Highlight a discovered device and tap the *Connect* button.

Once a connection is established, the logger can be identified, started, stopped and downloaded.

The flashing blue light on the module will turn a steady blue if a successful connection is made. Now the system is ready for start, stop and download operations.

### Identify Device

Information on the device status, such as reading rate and serial number can be obtained by tapping the *Device Status* button. Your logger must be activated, discovered and connected. Tap OK to return to the main screen. Values on the Device Status screen are for information only and cannot be modified.

### Start Device

The *Start Device* function will attempt to initialise and activate the logging process. The logger must be discovered and connected before it can be started. Tapping the *Start Device* button will present a warning screen and a choice of reading rates. Features such as *device ID* and *start delay* cannot be modified using this version of MadgeTech Pocket.

Tapping *OK* will start the logger; *cancel* will return to the main screen.

### Stop Device

The stop function will stop the logger from collecting data. The logger must be discovered and connected before it can be stopped. Tap the *Stop Device* button to halt the logger.

### Read Data

The read data function downloads all current readings from the logger. The logger must be discovered and connected before download, but does not need to be stopped. Tap the *Read Data* button to start data download. The bar at the bottom of the screen will indicate the progress of the download.

Once the data is successfully downloaded it will be stored in the documents folder of the Pocket PC and can be emailed, bluetoothed or transferred using the Windows Mobile operating system.

### Load Data to MadgeTech Software

Click the *File* menu, *Load Pocket PC Data*. Choose the .xml file and click *Open*.

### Checking Battery Life

The battery condition can be checked at any time by pressing and holding the button on the Bluetooth® interface module. After a second, the green status light will illuminate. The following table illustrates the battery flash codes.

Flash	Battery Status
Continuous Long Flash	Battery Good
Three Short Flashed	Battery Low
One Short Flash	Battery empty - replace soon

Releasing the button cancels the battery check mode. Please note that battery status reports are affected by a number of factors including temperature and load, battery life may vary depending on operating environment. It is important that the BTIF1000 batteries are not allowed to deplete fully or the battery life of the connected data logger may be reduced.

### Technical Support

Visit [www.madgetech.com](http://www.madgetech.com), or call (603) 456-2011. Technical support is also available by e-mailing [support@madgetech.com](mailto:support@madgetech.com)

Additional product information is available by e-mailing [info@madgetech.com](mailto:info@madgetech.com).