Instructions to Install and Run Bluetooth on PC

1. Installation

- 1. Insert CD and copy across the self-extracting archive file v51012T_20070531.exe to the desktop.
- 2. Run the file from the desktop, the following window will show:

| Bidecooth Stack for finitions by roshiba instalishicia fizita | | |
|---|--|--|
| | Welcome to the InstallShield Wizard for Bluetooth Stack for Windows by Toshiba | |
| | The InstallShield(R) Wizard will install Bluetooth Stack for Windows by Toshiba on your computer. To continue, click Next. | |
| WARNING: This program is protected by copyright law and international treaties. | | |
| | < <u>B</u> ack <u>Next</u> Cancel | |

3. Press 'Next'. The following window will then show:

| Bluetooth Stack for Windows by Toshiba - InstallShield Wizard 🛛 🛛 🔀 |
|---|
| License Agreement Please read the following license agreement carefully. |
| |
| TOSHIBA CORPORATION |
| End User License Agreement |
| This End User License Agreement ("EULA") is a legal agreement between you and TOSHIBA CORPORATION ("TOSHIBA") with regard to the copyrighted Software provided with this EULA |
| |
| I_accept the terms in the license agreement Print |
| O I do not accept the terms in the license agreement |
| nstallShield |
| < <u>B</u> ack <u>N</u> ext > Cancel |

4. Select 'I accept' then press 'Next'. The following window will show:



- 5. Press 'Install' and wait.
- 6. When prompted, insert the bluetooth adapter into the USB port and press 'OK'.

| Bluetooth | × |
|-----------|--|
| ٩ | Please plug in the Bluetooth device and click OK button. |
| | Cancel |

7. Press 'Finish' when prompted with the following:

| 🚏 Bluetooth Stack for Windows by Toshiba - InstallShield Wizard | | | | |
|---|-------------------------------------|--|--|--|
| Insta | llShield Wizard Completed | | | |
| InstallShield Wizard Completed The InstallShield Wizard has successfully installed Bluetooth Stack for Windows by Toshiba. Click Finish to exit the wizard. | | | | |
| | < <u>B</u> ack Finish Cancel | | | |

8. The PC must be rebooted before the Bluetooth adapter can be used.

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| 👘 Blueto | oth Stack for Windows by T | oshiba Installer Infor 🔰 |
|----------|---|---|
| i | You must restart your system changes made to Bluetooth St Toshiba to take effect. Click Y you plan to restart later. | for the configuration .ack for Windows by 'es to restart now or No if |
| | Yes | No |

2. To run the Bluetooth adapter with a Tag

1. Place a magnet against the glass reed-switch near the +ve battery terminal. A green LED on a small PCB near the back of the tag should flash periodically.



2. Run the bluetooth manager (icon located in start-up list in bottom right corner of the screen.



3. Press 'New Connection', the following window appears:

| Add New Connection Wizard | | |
|---------------------------|--|--|
| This wizard will create | e the settings for Bluetooth device connection. | |
| | Please ensure your Bluetooth devices are on and set to discoverable. In order to certify Bluetooth, there are times when the security setting is modified temporarily. When setup ends, it returns to the original setting automatically. © Express Mode (Recommended) © Custom Mode This allows you to set the details for the connection. | |
| | < <u>B</u> ack <u>N</u> ext > Cancel | |

4. Press 'Next', the following window appears when the bluetooth adapter is located:

| Add New Connection Wiza | rd | \times |
|-------------------------|---|----------|
| Select a device | | |
| | Please choose the Bluetooth device you wish to use. Bluetooth device Device Name SMRU Bluetooth | |
| | < <u>B</u> ack <u>N</u> ext > Cancel | |

5. Press 'Next', the following window will appear:

| Add New Connection Wizard | | × |
|---------------------------|--|-----|
| COM port setting | | |
| | Setup of COM40 complete. Setup application software and driver if needed. | |
| | < <u>B</u> ack <u>Next></u> Can | cel |

6. Note the number of the COM port selected (COM 40 in this case) and press 'Next'. The following window will appear:

| Bluetooth Settings _ □ × |
|------------------------------|
| товніва |
| SparkFun-BT |
| New Connection |

7. Double click on the SMRU Icon, the window should change to the following:

| 🔋 Blueto | oth Se | ttings | | × |
|-----------|------------|---------------|--------------------|---|
| Bluetooth | ⊻iew | Help | | |
| Spa | rkFun-B | T SMRU | | |
| |) Ne Co | w nnection | 🚺 Detail) 💢 Delete | J |

8. Run the file TagConfig.exe from the CD, the following window will open:

| STagConfig v24 | | |
|---|---|---|
| Body 10768 Read Body file Null settings | Clear form Retrieve from tag Save to tag | Test GPS Cricket C |
| Tag monitor PC time 03:Aug-2007 10:16:10 Set time Tag time 03:Aug-2007 10:16:12 Pause Depth 29:AD 1.75 m WetDry Temp. 30:AD 54.93 °C Odo 0 Battery 0 mV Calibrate 0 x | PTT numbers Serie Decimal He× Owner C 72775 ??????? C C Test program Proi C C Tx/sampling Offset Initial delay Serie 33 s 0 s 0 Serie Potting mode (disable transmissions) Stat Stat Stat | al ports COM 1 C COM 3 C COM 40 COM 2 C COM 4 Inection COM40: 19200 baud tocol: Normal C pre-2004 at: 4F Served: 20.12.1600.00.00 [26] tus: OK |
| Keller Bridge Z 3000 Resolution 0.0605478 m mV per bar 3 Max depth 3968 m | Wave sensor Flas Inter-sample On for Off for 500 /100 s 60 s 0 mins | h |
| Test resistors Offset 2740 ohm 2740 -3.69615e-12 4220 ohm 4220 Slope 6180 ohm 6180 1 | Thermistor calibration GSM 0 C 7000 H0 0.00247855 SMS 10C 5000 H1 7.20543e-07 FTP 25C 3000 H3 1.69457e-06 FTP | t offset 0 mins +447734286552 gprs:smruphones server 138.251.190.100 directory test |
| Valeport testing C D Single Continuous Sleep C TD C C TD | Delay: ms 🔽 CAL mode | CTD logging Min depth 0 dbar |
| Pressure = dbar | Gain/offset:ReadSet | Min duration 5 s |
| Temperature = °C | Gain/offset: Read Set | Tag software |
| Colib: Conductivity = mS/cm | Gain/offset: Read Set | Sealog v56 (built Aug 2 2007) Parameters TIDAL07A |
| Calib: | Read Set | Logged depth and transmitted TS |
| Body details retrieved OK | | TagConfig v24 (built Jul 27 2007) |

9. Enter the COM port from earlier, in the above example this is entered as 40. (Top-right of screen)

- 10. The TagConfig application should now be running, indicating tag time etc and the LED on the Bluetooth adapter should show a red LED rather than a flashing green one. **Note**: It may be necessary to select another com port in the TagConfig application and then re-selecting the required port in order for the TagConfig application to register the change.
- 11. FLASH data may be downloaded by pressing the 'Save to File' button. Once saved the data in FLASH should be deleted in order to prevent the memory from completely filling.

3. To Close Down an Established Link

- 1. Close TagConfig application and remove magnet.
- 2. Disconnect the Bluetooth link as shown below:



3. Press 'Yes' when prompted at the follwing:

| Bluetoot | h Settings | × |
|----------|--|----------|
| ? | SMRU cannot be used if disconnecte Are you sure you want to disconnec | d. t? |
| | Yes No | |

- 4. Press the 'Delete' button to remove the link (Note: this needs to be deleted as it won't work with the other tag it is necessary to follow the whole of Section 2 to interface to the other tag).
- 5. When prompted with the following, press 'Yes'.

| Bluetooth Settings | |
|--------------------|--|
| ? | SMRU cannot be used if deleted. To use it again, you must set it up using the Add New Connection Wizard. Are you sure you want to delete it? |
| | Yes |

6. Close the application