

Using MobileMapper CE Network Generation Bluetooth with ZMax.NET

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The Bluetooth driver in Network Generation is dependable, easy to setup, reconnects automatically if you move out of range, is more dependable than a cable and faster than a cable to boot!

The new driver is a great improvement over the previous Bluetooth stack.

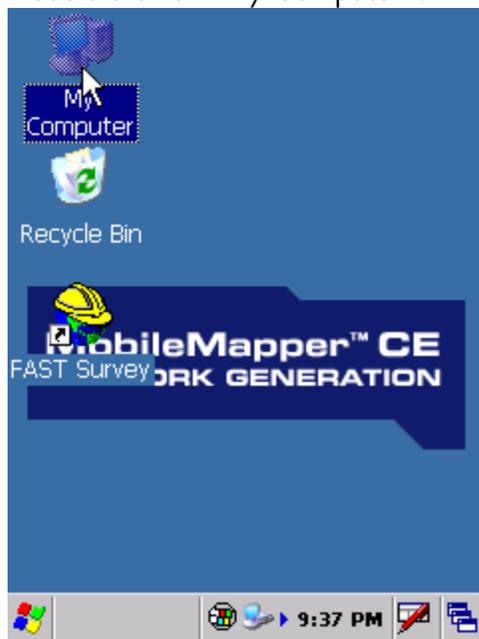
This FAQ describes:

1. How to place a shortcut to the Bluetooth Manger on the desktop
2. How to bond the CE with a ZMax the first time and store as a favorite
3. How to re-bond after power cycle

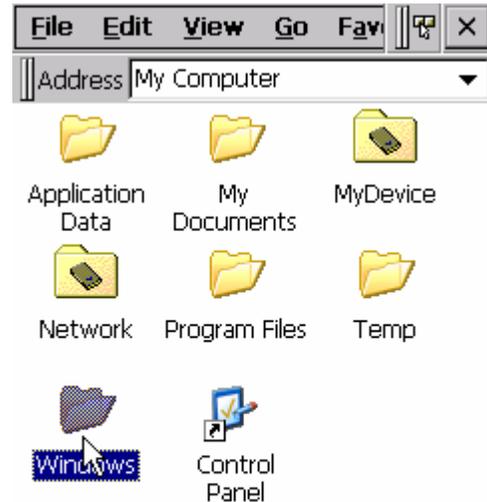
Step 1: Add Desktop Shortcut to Bluetooth Manager

If there is already a shortcut to the Bluetooth manager on your CE Desktop, proceed to step 2. Make a Shortcut to 'Bluetooth Manager' on your desktop.

- A. Double-click on "My Computer":



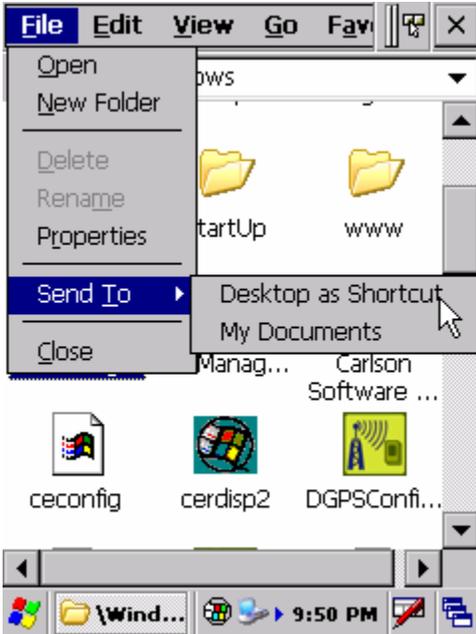
- B. Double-click on "Windows":



- C. Drag down and find "BthManager", click on it once to select:



- D. Select “File: Send To: Desktop as Shortcut”



- E. Click the “X” in the upper right corner to return to the desktop.

Step 2: 1st Time: Find and Bond to ZMax

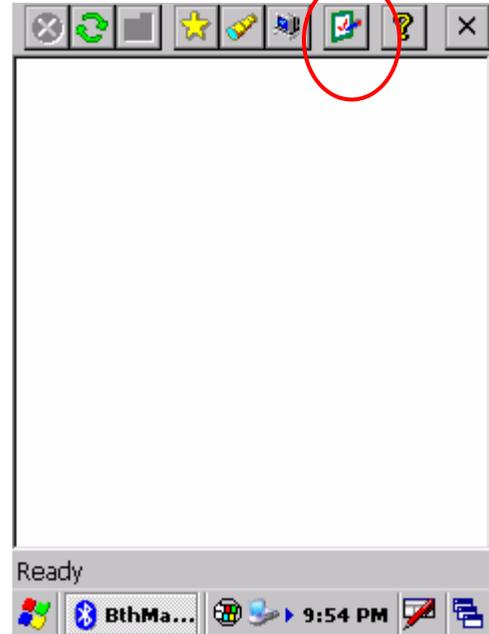
- A. Double-click on “Shortcut to BthManager”:



- B. Wait a while (~30 seconds) for the Bluetooth Manager to load.



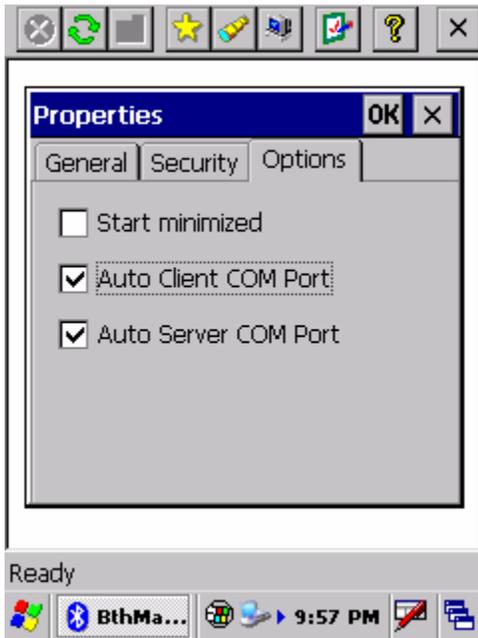
- C. Click on the green picture frame with a red checkmark:



- D. Make sure the Properties: Security tab looks like this:



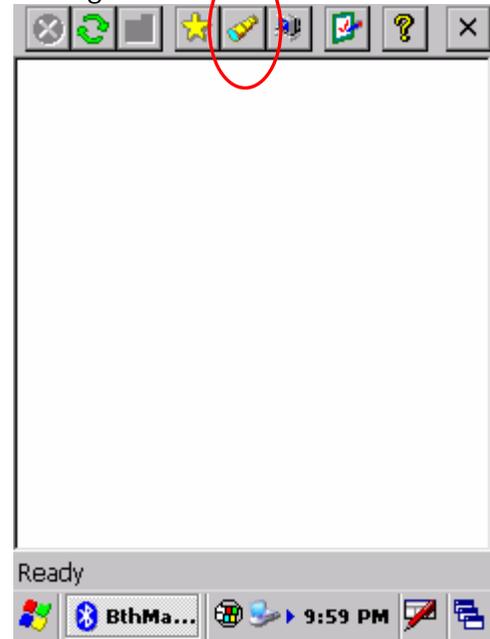
- E. Select the “Options” tab and check “Auto Client COM Port” and “Auto Server COM Port”:



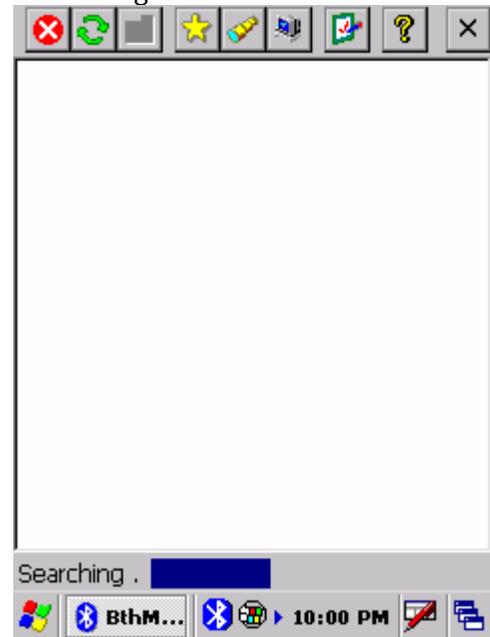
Finally click on OK to close the “Properties” dialog.

- F. Make sure the ZMax you want to bond with is turned on. Click on the ‘Yellow

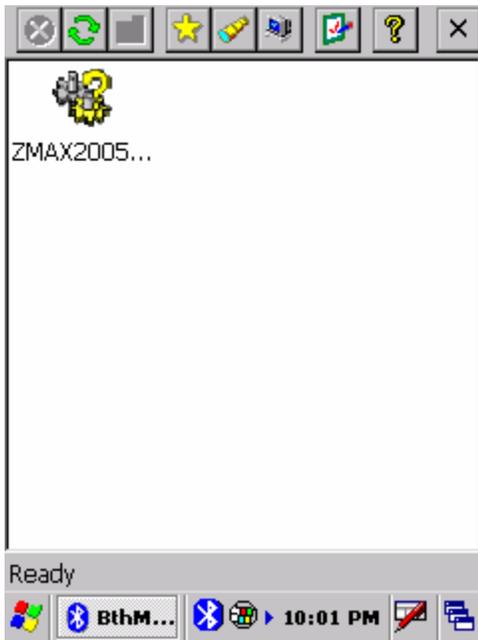
Flashlight’ icon:



- G. The bottom status line will show “Searching”:



- H. Wait for the bottom line to show “Ready”. Your ZMax receiver should be listed:



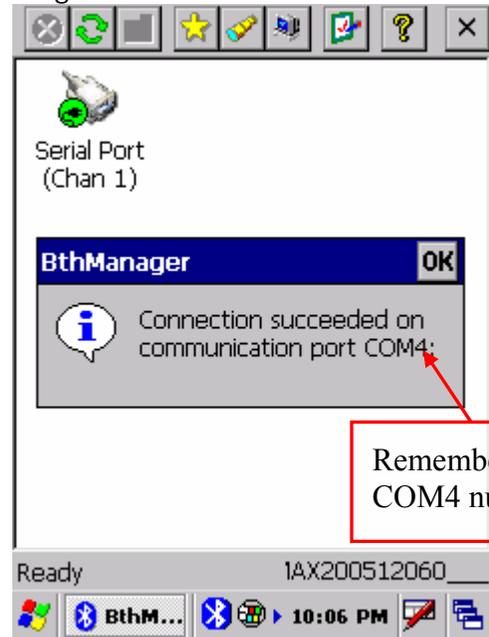
Note: You won't be able to see enough of the ZMax serial number to figure out which receiver is which if two receivers are turned on and within Bluetooth range. You can click-and-hold, then select properties to see the full serial number.

- I. Now double-click on the ZMAX icon. After two seconds the status screen will show the full serial number and a "Serial Port (Chan 1)" icon will be shown:



- J. Double-click on the "Serial Port (Chan 1)" icon, a green 'plug' will appear over the serial port icon and a notification box will describe the virtual com port number

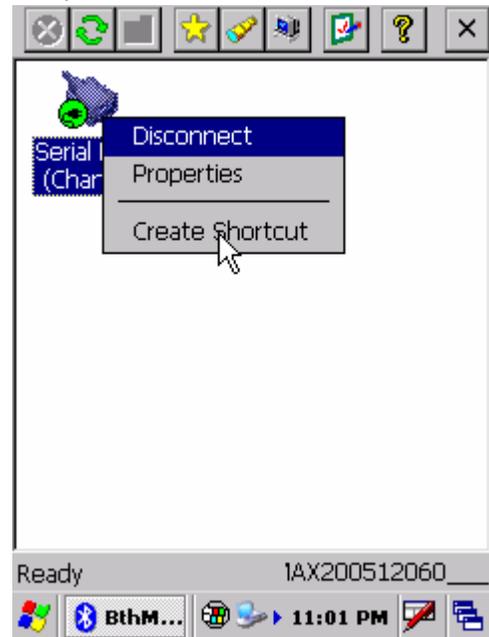
assigned to the ZMax receiver:



Remember the COM port number displayed on this dialog.

- K. Click on "OK" to close the notification box.

Then click-and-hold on the Serial Port icon, then click on "Create Shortcut":



- L. Click on the "X" to reduce the Bluetooth Manager down to the system tray. (This does not close the manager, it is just

reduced.):



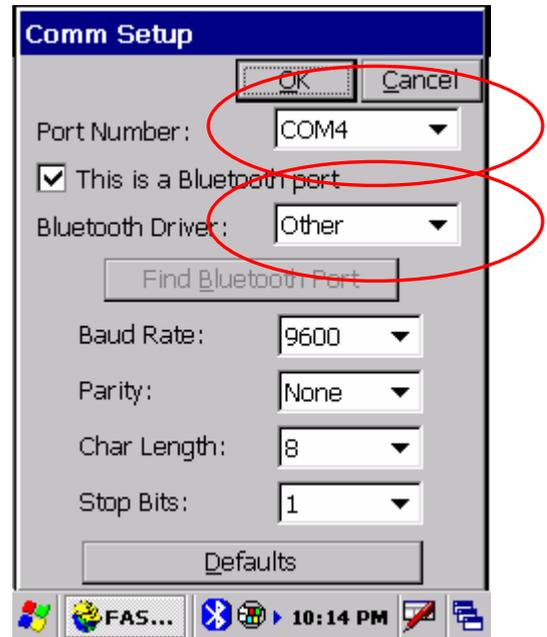
- M. Start “FAST Survey” by double-clicking on the hardhat icon:



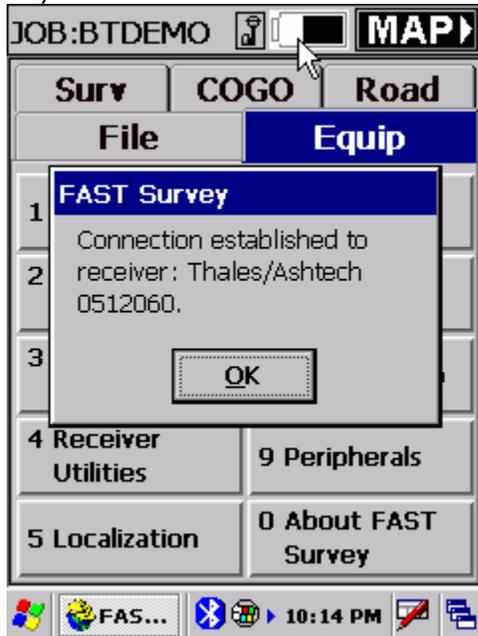
- N. Select a new job, select a name, configure the job and finally select the “Equip” tab:



- O. Click on “8 Comm Setup”, set the “Port Number:” to the same port number shown in step J above; check the “This is a Bluetooth port” checkbox; set the “Bluetooth Driver” to ‘Other’:



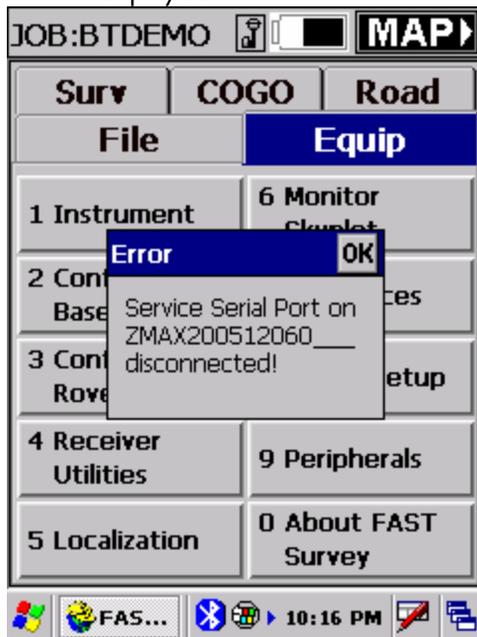
P. Press OK and FAST Survey will connect to your receiver:



Q. Press OK and use FAST Survey normally.

If you venture past Bluetooth range, the Bluetooth Manager will automatically reconnect you to the receiver when you get near the receiver.

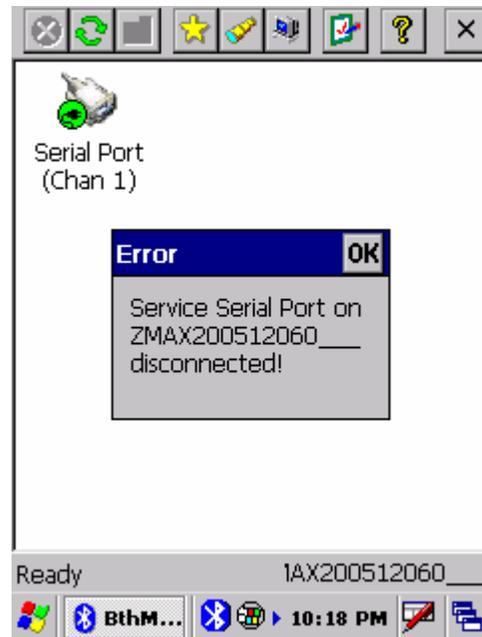
If you stay out-of-range too long, a message will be displayed:



This is not a big deal, just click (**once**) on the Bluetooth icon on the Status line:



Now click on "Show":



Acknowledge the "Error" by pressing OK:

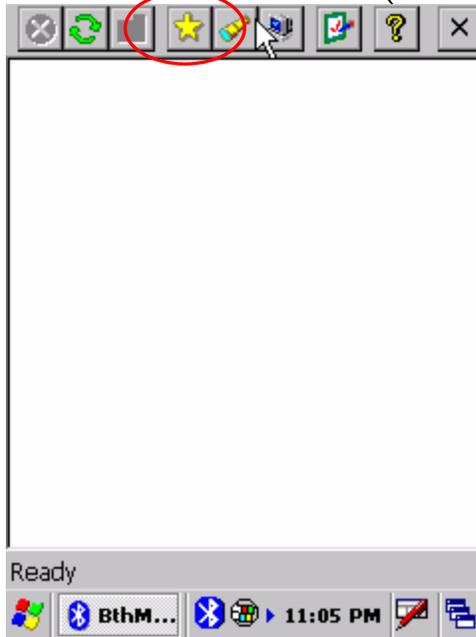
Typically, the Bluetooth Manager will automatically reconnect. If it does not, press the "Yellow Star" button, then double-click on the saved "Serial Port on COM4" icon.

3. Reconnecting After Power-Cycle

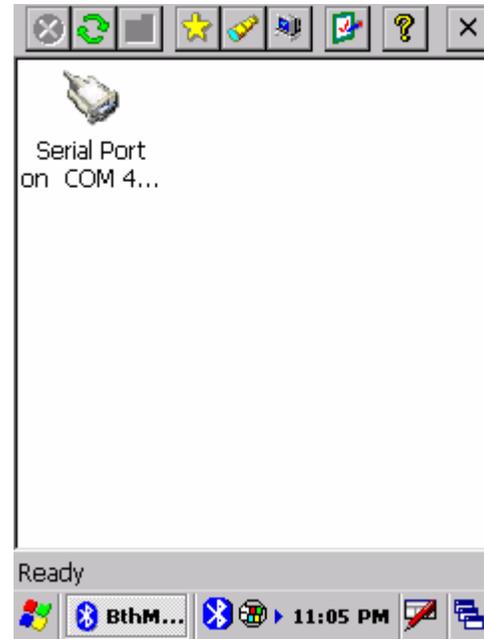
A. Double-click on “Shortcut to BthManager”, wait for Bluetooth Manger to load:



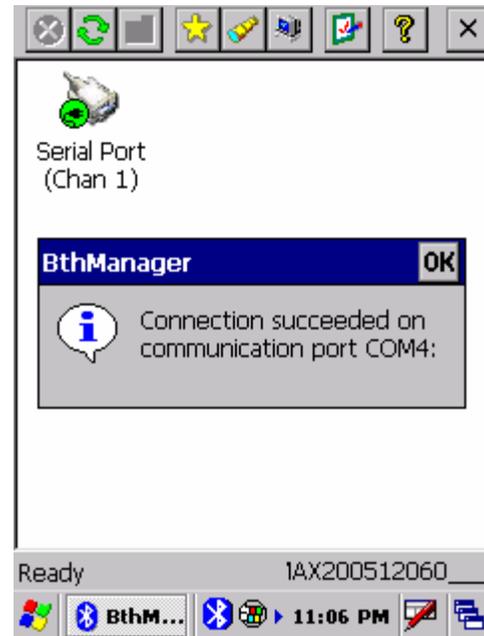
B. Click on the ‘Yellow Star’ (favorites):



C. The favorite we saved will be shown:



D. Double-click on “Serial Port on COM 4”:



Bluetooth will connect to the ZMax. Click on ‘OK’ to close the notification, then click on “X” to reduce the Bluetooth Manger to the task bar.

Startup FAST Survey and use normally.