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PROFESSIONAL

Connecting MMCE and FAST Survey to Z-Max via Bluetooth

31 May 2007

Step 1: Add a Shortcut to the Bluetooth Manager on the Desktop

A. Double-tap **My Computer** on the MMCE Desktop
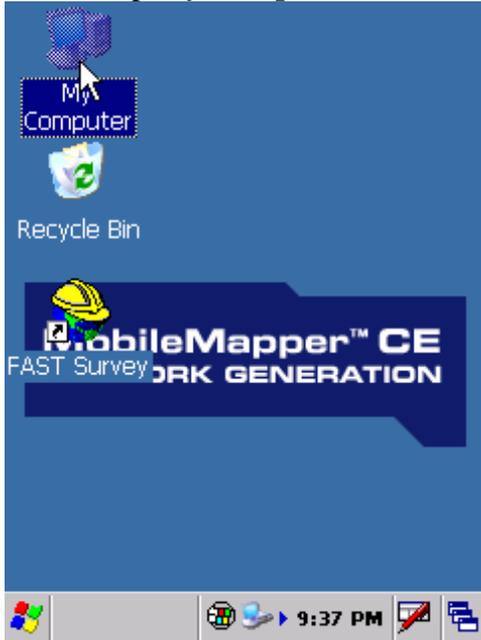
B. Double-tap the **Windows** folder
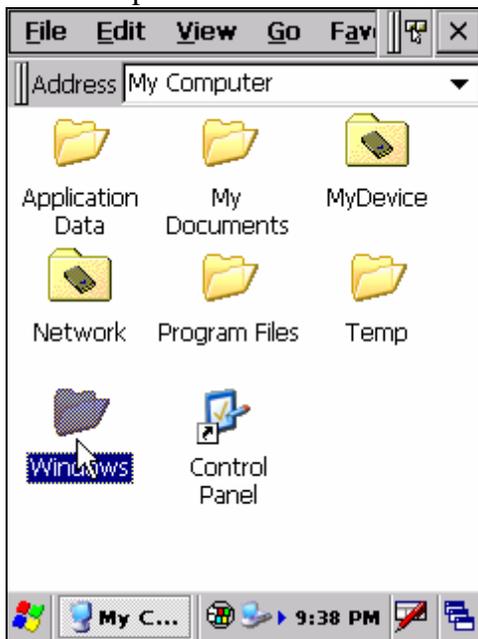
C. Tap **BthManager** once to highlight it

D. Tap **File > Send To > Desktop as Shortcut**
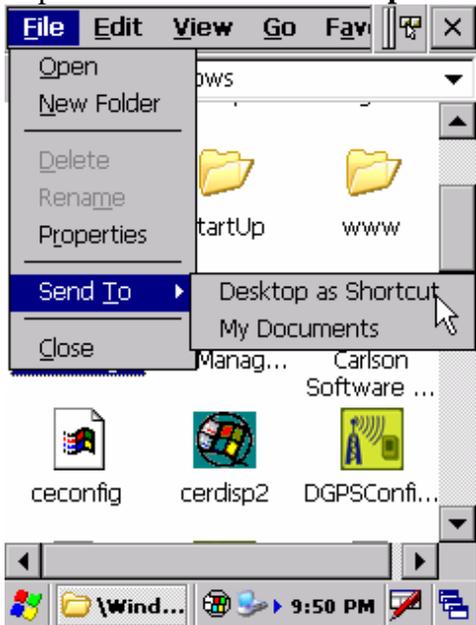
If you do not see the word "File" in the menu bar, tap the File icon in the upper left.

E. Tap **X** in the upper right corner to return to the Desktop.

Step 2: Connect the MMCE and Z-Max with Bluetooth

A. Double-tap the **Shortcut to BthManager** and wait ~15 seconds for it to load

When the Bluetooth Manager is ready, you will see the following screen
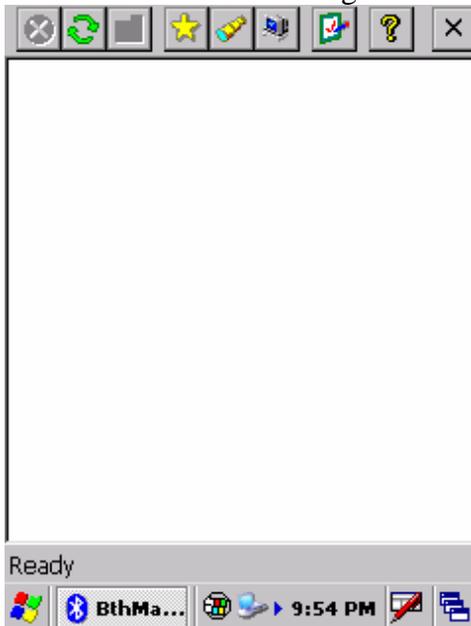
B. Tap the icon of a green picture frame with a red checkmark
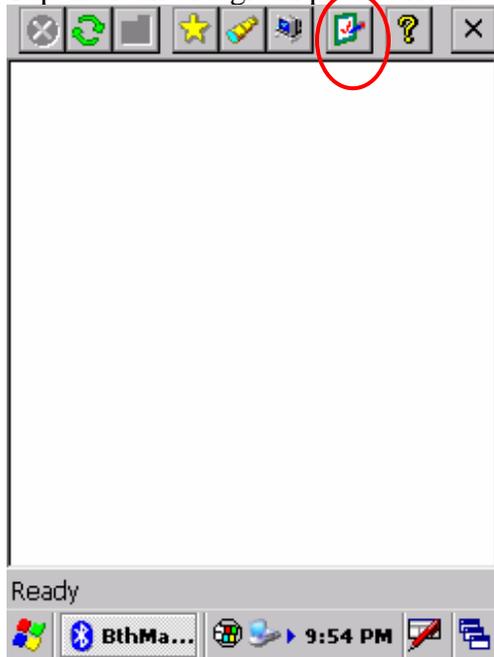
C. Make sure the **Properties > Security** tab looks like this:
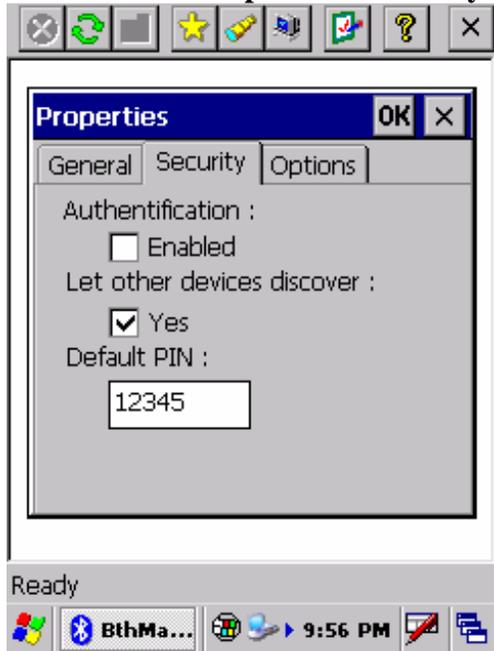
D. Tap the **Options** tab and check both "Auto Client COM Port" and "Auto Server COM Port"

E. Tap OK to close the **Properties** dialog

F. Turn on the Z-Max and tap the Bluetooth Manager's **Search** icon (a yellow flashlight)
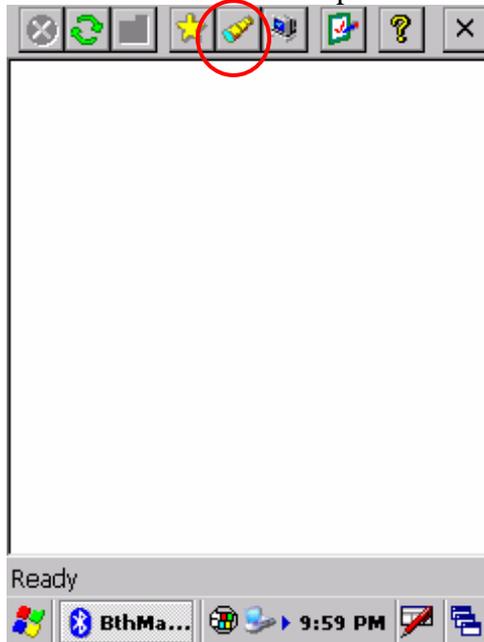
G. The bottom status line will display "Searching"
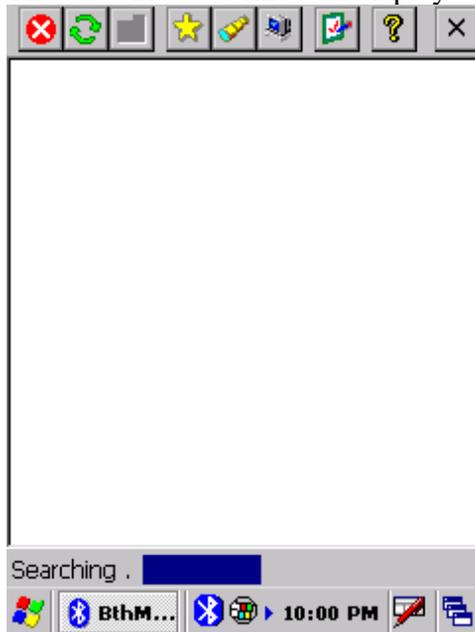
When it says "Ready," your Z-Max receiver should be listed in the main field
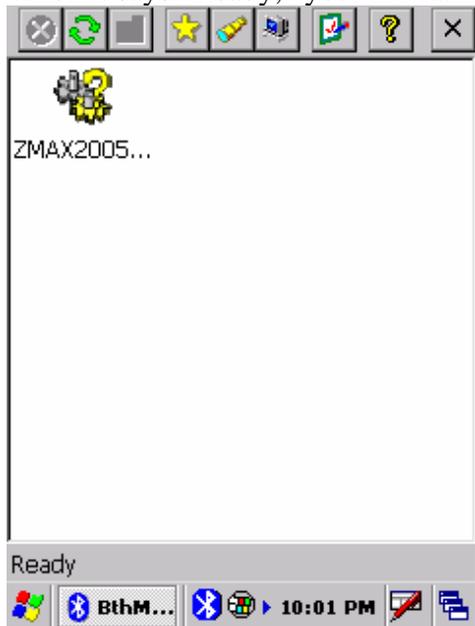
Note: You won't be able to see enough of the Z-Max serial number to distinguish it from any other Z-Max that may be turned on and within Bluetooth range. You can tap-and-hold on any displayed receiver and select **Properties** to see the full serial number.

H. Now double-tap the Z-Max icon. After two seconds the status screen will show the full serial number and display a **Serial Port (Chan 1)** icon. This is the channel opened by the MMCE's internal Bluetooth radio.
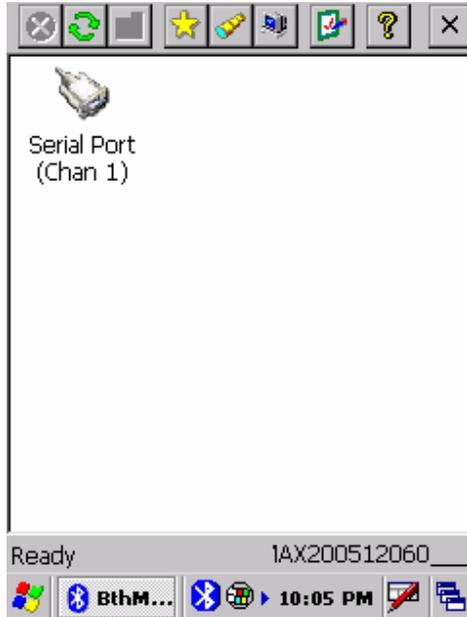
I. Double-tap the **Serial Port (Chan 1**) icon and a green electric plug will appear over the icon indicating that the opened radio channel has connected with one of the MMCE's comm. ports. A notification box will describe the MMCE COM port number connected to this Bluetooth radio channel. In this example, the MMCE's COM4 port is talking with the Z-Max on Bluetooth Channel 1.

IMPORTANT: Make a note of the MMCE COM port number displayed on this dialog box (in this example, COM4). Then tap **OK** to close the notification box.

J. Tap-and-hold on the Serial Port icon and tap **Create Shortcut**
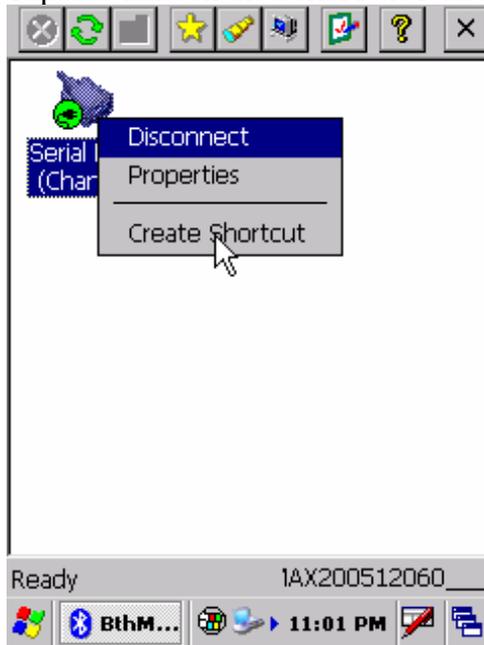
K. Tap **X** to minimize the Bluetooth Manager down to the system tray. (This does not close the Bluetooth Manager.)

L. Run FAST Survey by double-tapping on the hard hat icon on the MMCE Desktop
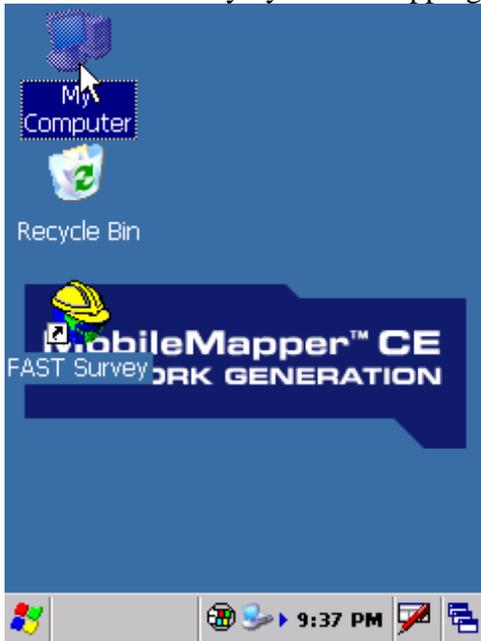
M. Select a new job, select a name and configure the job

N. Although data from the Z-Max is coming into the MMCE's COM4 port along Bluetooth Channel 1 (in this example), this data must now be directed to FAST Survey. Tap the **Equip** tab and tap Option 8 (**Comm Setup**)

O. On the **Comm Setup** screen:

    a. Set the **Port Number** to the same COM port number you noted in Step 2.I above

    b. Check the **This is a Bluetooth port** checkbox

    c. Set the **Bluetooth Driver** field to **Other**

    d. Tap **OK** on the **Comm Setup** screen
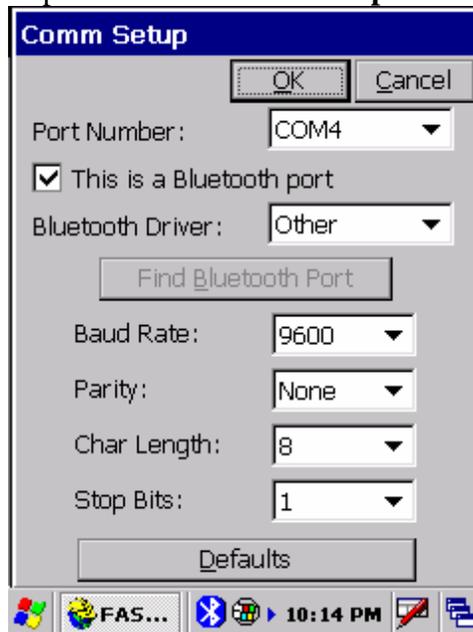
P. FAST Survey will connect to the Z-Max data streaming in on the MMCE's COM4 port and return a confirmation message:
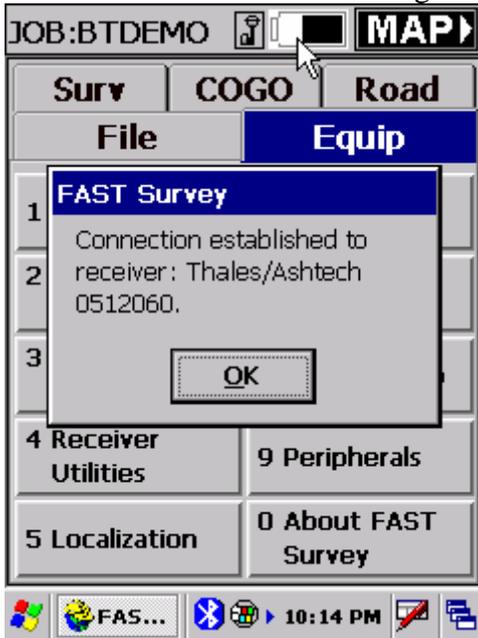
Tap **OK** and use FAST Survey normally.

Q. If you move the MMCE beyond Bluetooth range of the Z-Max, the Bluetooth Manager will automatically reconnect you to the receiver when move back within range.

If you stay out-of-range too long, the following message will be displayed:
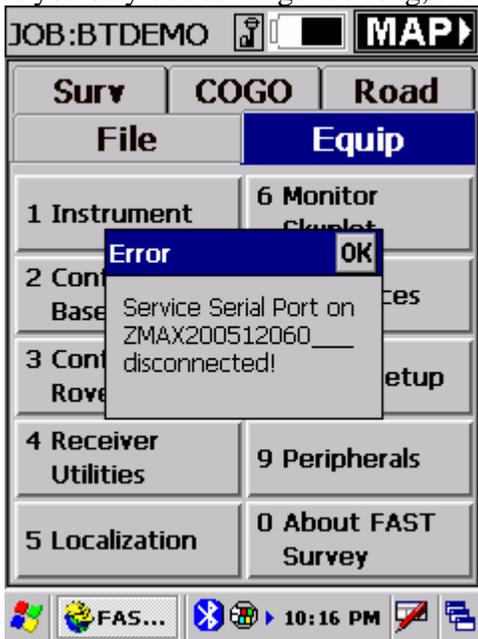
R. Tap (**once**) on the Bluetooth icon on the Status line and tap **Show** to maximize the Bluetooth Manager

S. Acknowledge the "Error" by tapping **OK**
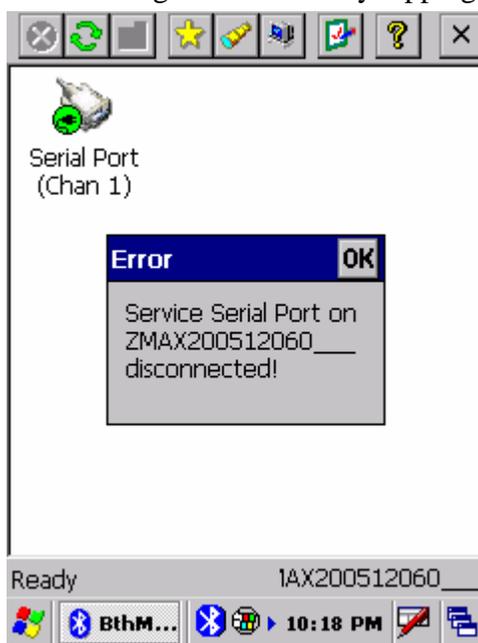
Typically, the Bluetooth Manager will automatically reconnect. If it does not, tap the yellow star icon, then double-tap the previously saved **Serial Port** icon.

Step 3: Reconnecting the next time

A. Double-tap "Shortcut to BthManager" and wait for Bluetooth Manager to load

B. Tap the **Favorites** icon (the yellow star)
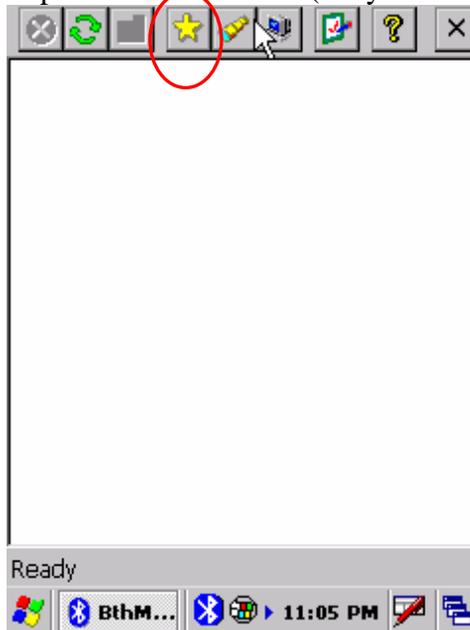
C. The connection to the original Z-Max that you saved earlier will be displayed. Double-tap the **Serial Port on COM X** icon to connect the MMCE to this Z-Max receiver via the same Bluetooth channel.

D. You will see a confirmation message. Tap **OK** to close the message and tap **X** to minimize the Bluetooth Manager to the task bar.

E. If you do not see this confirmation message, tap the Bluetooth Manager's yellow flashlight **Search** icon, i.e., return to Step 2.F.

F. Run FAST Survey and use normally.