

# ASHTECH TECHNICAL APPLICATION NOTE

## PROMARK 100/200 & MOBILEMAPPER 100 (PM5)

### CONNECTING EXTERNAL PHONE VIA BLUETOOTH

Bluetooth (BT) usage in PM5 mostly concerns 2 profiles:

- SPP : Serial Port Profile
- DUN : DialUp Network

SPP is used to create a serial port over the air while DUN is used to connect an external BT cell phone.

Hidden to the user, the DUN profile uses the Windows Mobile **COM7** port. It cannot work if this port is already used, or locked.

There are some use cases where SPP and DUN are used simultaneously. In this case, SPP shall not use the COM7 port.

When establishing a SPP connection, the user is prompted to select among 3 COM ports. He should select:

- **COM9** for SPP
- **COM1** if he doesn't want to use FTP profile simultaneously
- **COM7** if he doesn't want to use DUN profile simultaneously

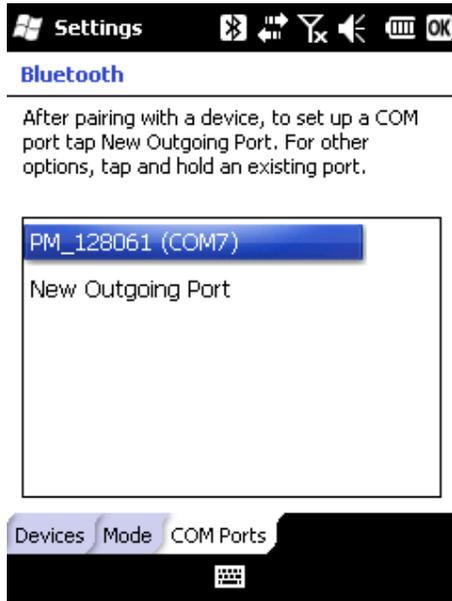
To check the Outgoing port locked by an active or closed SPP connexion, go to the Bluetooth Manager, and check the tab "COM Ports".

Here is an example where no SPP connexion has been done, so no outgoing ports are defined. So DialUp Network can be established without problem.



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Here is an example where one SPP connexion has been done using COM7, then the outgoing port COM7 is defined. So DialUp Network cannot be established anymore.



You need to tap and hold on the COM7 line and delete this Outgoing port.

Then you will be able to establish a DUN connection with the BT phone.