

Pidion BM-170 Handheld Configuration Manual

Overview

This document includes configuration information related to features available with the purchase of the Pidion BM-170 handheld and its expansion modules. This will also reference the BM-170 User Manual.

Two Model Variations:

- Bluetooth/Wifi Only (Windows Mobile 6.5 Classic)
- BlueTooth, WiFi, GPS, GPRS, Camera (Windows Mobile 6.5 Pro)

Introduction

Use this document to configure the following options:

- Finding the Route Manager Shortcut
- Resetting the Device
- Wireless GPRS connection (Automatic and Manual)
- GPS Configuration

If you are not sure which features are available with your handheld, please contact your reseller or ARS.

Route Manager Shortcut

On Windows Mobile 6.5 Pro handheld devices they no longer have a Start “Menu” like previous versions, but instead have a Start “Screen” with all the programs listed in it. So the initial installing of the RM Shortcut, as well as they day to day launching of the RM program will be slightly different than previous versions of Windows Mobile handhelds.

Please follow the instructions in the Handheld User Guide for setting up handheld options and preparing a card for this handheld. You will need to choose the Pidion BM-170 option from the menus.

Installing RM for the first time

After you have prepared your card, place the card in the handheld. The slot for it is under the SIM Card Slot, but entry into the slot is from the right side where the battery is. The MicroSD card slides in from the RIGHT under the SIM Card.

First, turn the unit on and follow any setup instructions necessary. Once you make it to the main screen, locate the Start button on the bottom left:



Next, you will need to scroll down the list of applications until you find the File Explorer option:

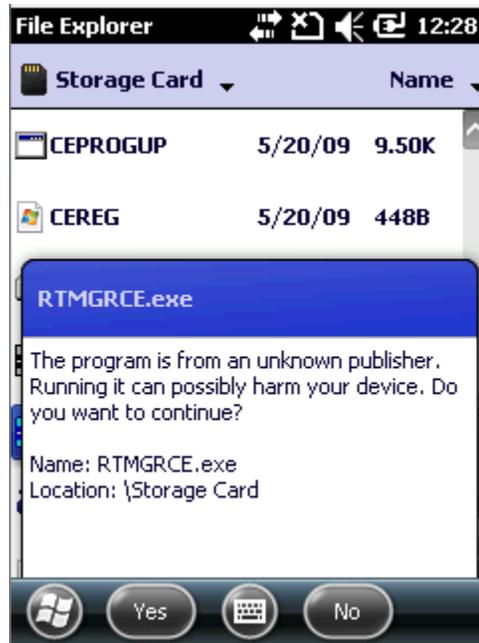


Now the rest of the steps are the same as other standard Windows Mobile devices:

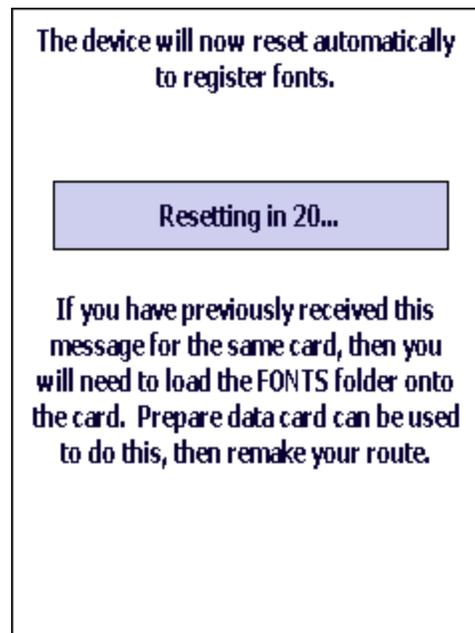
1. Change the “My Documents” option at the top, and choose “Storage Card” instead.



2. Scroll down and find the RTMGRCE option and tap on it to launch the Route Manager Software.
3. If prompted about the program being from an Unknown Publisher, press the YES button to continue.



4. Next, the system will automatically restart the device after the 20 second countdown to install the fonts required for Route Manager:



5. This completes the initial setup. Follow on to the next section for launching Route Manager from the new Start Menu shortcut.

Finding the RM Shortcut

After you launch Route Manager the first time (from the RTMGRCE.exe found on the card itself) it will create a Shortcut at the bottom of this new Start Screen.

To launch Route Manager, Select the Windows/Start button in the lower left corner:



This will then open the Start “Screen” with a list of all the programs installed on the device:



Scroll down to the bottom of this screen to find the Route Manager shortcut:



Note: You can also *Tap and Hold* the Route Manager icon, and drag it to the TOP of the programs list screen.

Resetting the Device

Cold Reset

The handheld has a small reset button on the right side of the unit. You will need to use the tip of the stylus or other small pointed device to press the reset button.

Hard Reset

A hard reset (resetting the handheld back to factory settings) is performed by holding down the [OK] button (round button on front of handheld) for 5 seconds after the Reset button is pressed with the tip of the stylus.

GPRS Configuration – Automatic

A wireless GPRS connection is required if you will be using wireless data transfers from a remote location. This type of transfer is typically used with the *Advanced Communications* and *RMLive Modules* in RMA.

Note: Not all handhelds include GPRS functionality. If you are not sure which features are available with your handheld, please contact your reseller or ARS.

Automatic Configuration (Cingular/AT&T SIM card)

Follow the steps below to successfully configure your Pidion BM-170 handheld for GPRS transfer.

1. Following the Pidion User Manual (Page 9), insert your SIM Card into the back of the device. Then RESET the device (Page 16).

2. Once the handheld boots back up, it should recognize a SIM card was inserted and ask if you would like to let the handheld choose the connection for the SIM card. Select the “YES” button at the bottom.
 - a. Note: You will likely see a handful of screens open/close during this process.
 - b. Once this process is complete, another message will show on the screen stating it’s been completed and to select the OK button in the lower right corner.
3. To confirm your GPRS Connection works, make sure WiFi is disabled, then open internet explorer and enter a web page to load (ie. msn.com)
 - a. If the page loads then all the settings are working correctly.
 - b. If the page fails to load, then reset the handheld.

Manual Configuration (Non Cingular/AT&T)

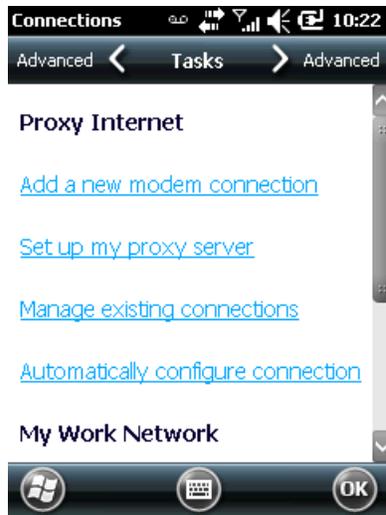
Follow the steps below to manually configure your Pidion BM-170 handheld for GPRS transfer.

1. On the handheld, Click the Start button (Windows Logo) in the lower left of screen. Navigate to *Settings > Connections* and tap on **Connections**.

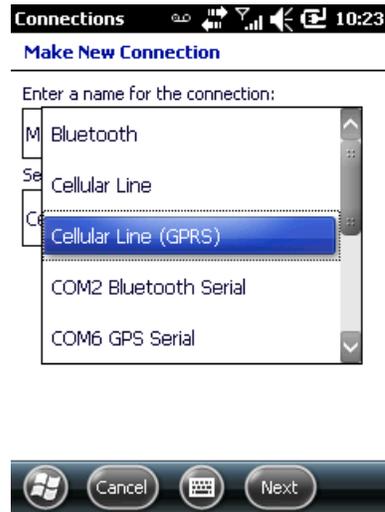
Note: The screenshots below were taken from an older Windows Operating system, but the screens on your handheld will look very similar.



2. Tap **Add a new modem connection**.

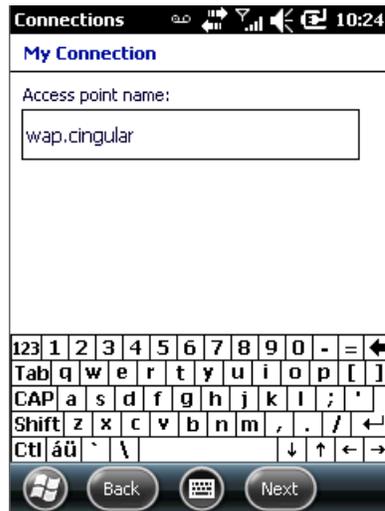


3. Select **Cellular Line (GPRS)** in the *Select a Modem* drop down and tap **Next**.

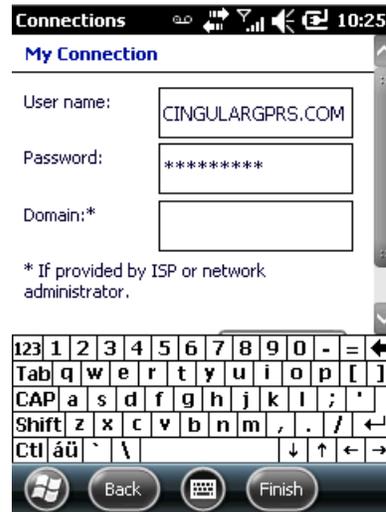


NOTE: Enter a unique name for the connection, if desired.

4. Enter the *Access point name* field. This should be provided by your GPRS Plan provider.



5. Enter the following information in the *Username* and *Password* fields:
- **User name:** This should be provided by your GPRS Plan provider
 - **Password:** This should be provided by your GPRS Plan provider
 - **Domain:** This should be provided by your GPRS Plan provider
- Click **Finish** to save the connection settings.



Your handheld is now configured for wireless GPRS transfers.

6. Confirm it is ready by confirming WiFi is disabled, then launching Internet Explorer and opening a website (such as msn.com).

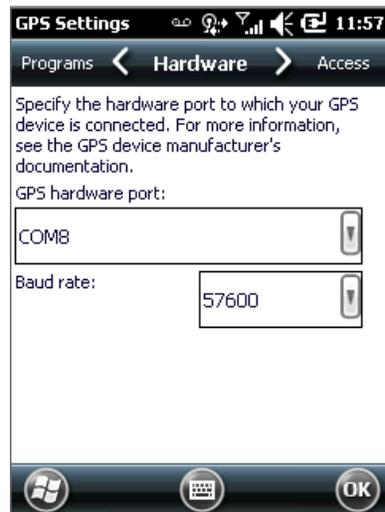
GPS Logging

The Pidion BM-170 handheld also has the capability of capturing GPS Coordinates (by stop) or logging the drivers GPS coordinates throughout the day (for review later).

The handhelds default COM Port is 8, and the Baud Rate is 57600. You can verify these settings by going to *Start > Settings > System* and then choosing the *External GPS* option:



Select the *Hardware* option on the top of the screen:



These settings will need to be matched in the Handheld Class settings located in Route Manager:

