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1.0 Getting started

1.1 Package includes

You should have in your possession a BlueM and a CD containing all the software you will need to take full advantage of this Bluetooth device. This manual should be sufficient help to get you up and running with your new BlueM.

1.2 Setting up the hardware

The BlueM is to be connected to the base of the Palm. You will hear a clicking sound when it snaps on successfully. It uses power from the Palm, so you do not need an external cable of any kind.

2.0 Installing the software

Make sure you have the Palm desktop installed and working on your computer. Then place your Palm in the cradle. The software needed for the BlueM is located on the CD labelled Installation Disk. Put it in your CD-player and the Installation program will start automatically (if not, press the Start-menu and choose Run. Type the letter of your drive e.g d: and click on Autostart). Follow the installation instructions, and the installation should proceed without any problems.

2.1 Check the installation

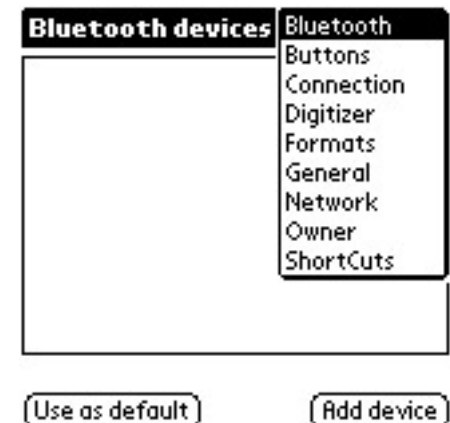
After the installation you will find a new menu choice, on your Palm, in Prefs called Bluetooth preference screen. To find it, click the Application button followed by the Prefs icon. This application (as described in 3.0) is the main one you need for using the Bluetooth link. Tap on it and proceed to the next step in this manual.

3.0 Bluetooth preference screen

The Bluetooth preference screen is the link to hook up your Palm with other Bluetooth devices. It is a user-friendly way to find, add and keep track of your Bluetooth devices. The process of linking up other Bluetooth devices is called Pairing, and will be referred to as that from now on. Continue to 3.1 Pairing basics for the pairing basics.

3.1 Pairing basics

From here you can connect your Palm to a Bluetooth device of your choice: To do this you must have your Bluetooth plug connected on your Palm. For the moment, the BlueT supports pairing with mobile phones, computers (requires Bluetooth enabled computer) and other Palms (require BlueM on both Palm's).



3.2.1 Connecting to your phone

Start by clicking on Add device in the Bluetooth Preference Screen. Now make sure that your phone is in *Discoverable mode before you select Phone from the type list and click Search on the Palm. Now the Palm will search for a Bluetooth-enabled phone, and when it finds one, it will be presented to you in a list. If it finds more than one you will see them all in this list. Choose the right one and click OK. Now it's time to set a passkey. Simply type in a number or a combination of numbers on your Palm and click OK. After this you must enter the same code on the phone. If the codes match, the devices are successfully paired. A new list will appear, with all the services available on this phone. To connect to the Internet, you need Dial-up, so select that option and click OK. Now you're back at the main page of the Bluetooth preference screen and you should see a device on the list.



3.2.2 Connecting to a computer

This is the only way to enable HotSync over Bluetooth (see 5.1 HotSync over Bluetooth). First you need to make sure that the Bluetooth device on your computer is working correctly. Please refer to the device's user manual for assistance. Turn on your Palm and enter the Bluetooth preference screen in the top-right menu in Prefs. Click Add device and choose Computer from the type-menu. Now you need to put your computer in a *Discoverable Mode: If you don't know how to do this please refer to the device's user manual.

The Palm should now prompt for the passkey. Simply type in a number or a combination of numbers on your Palm and click OK. After this you need to enter the same code on the computer. If the codes match you have successfully paired the devices. A new list will appear, with all the services available on this computer. Choose COM-port (one should be listed in the Service list) and click OK.



3.2.3 Connecting to another Palm

This procedure is identical to 3.1.2. However, on one of the Palms you need to start Discoverable mode before you follow the steps in 3.2.2. Just press the menu button, choose Incoming and press Discoverable mode. The passkey procedure is similar to both 3.2.1 and 3.2.2.

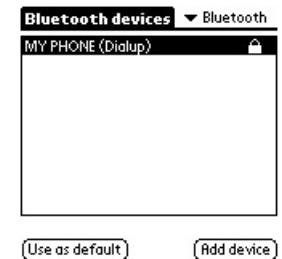
*See 6.4 on how to set your phone in Discoverable mode.



3.2.4 Settings

Make sure you have checked Use French frequency hopping when you are using the BlueM in France, since it is against the law to use the BlueM default frequency range there. When you check this button it becomes legal there, without any loss of speed or function. However you will have to make sure that your other Bluetooth devices use the same frequency range, else you will not be able to communicate with them.

Powersave mode disables the LED (the blinking button), and will save some battery time. How much depends on how you use the Bluetooth link. (By disabling the feature you will not be able to see when you are connected.)

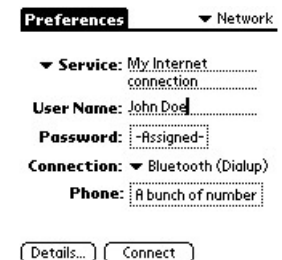


4.0 Palm Preferences

Now that you have installed a device link you will have to set up the Palm to use that selected link. Make sure you have your Internet information to hand (phone number, username and password) before you move on to the next step. Move back to the Application Launcher and tap on Prefs.

4.1 Network

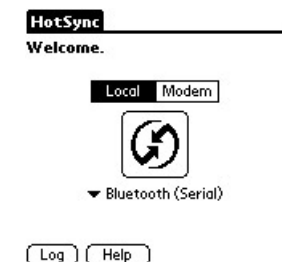
Select Network from the dropdown menu at your top-right. Type in the name of your service, user name, password and phone number. From the Connection list you select Bluetooth (Dialup) choice. Now you should be able to click on Connect and the Palm will initiate the phone call to the specified number and log on. If not, review the steps of this manual and ensure you have carried out all the instructions properly. If that doesn't help look further down in the 6.0 Troubleshooting.



5.0 Palm features

5.1 HotSync over Bluetooth

In order to access HotSync over Bluetooth you must have a Bluetooth device on the computer, and you must have carried out the procedures described above in chapter 3.1.2. Simply move to the Application Launcher and tap on HotSync. From the menu below the HotSync button you should now be able to select Bluetooth (Serial). On the computer, in the HotSync Manager, you must set up the correct COM-port that is Bluetooth-enabled. To do that you click your right mouse button on your HotSync Manager icon and choose Setup. Select local and change the Serial port to the right one followed by OK. Once this process





6.0 Troubleshooting

If your device does not connect or you are experiencing other problems, please read on. You might be able to get help from the flashing on the button read more about that in section 6.1 The Button.

6.1 The Button

The button on the BlueT will light up and blink rapidly for several seconds while you're connecting your BlueT to other Bluetooth devices. When you have a Bluetooth link up and running the button will blink once every 4 seconds, to show that you are connected. When you send and receive data the button will blink more rapidly.

6.2 Pairing problems

The pairing process is a crucial operation. If this doesn't work, you won't be able to connect or use any Bluetooth features. So make sure that your other Bluetooth enabled phone is in Discoverable mode when you're trying to connect. See 6.4 Discoverable mode for help on that.

6.3 HotSync problems

When using HotSync over a Bluetooth connection the largest problem usually isn't the Palm or the BlueT, but the computer's configuration. To make sure that the Bluetooth device on the computer is working correctly, please refer to the device's user manual.

6.4 Discoverable mode

The procedure to set your Bluetooth-enabled device into Discoverable mode is different with almost every Bluetooth device. This is why you need to refer to the manual for your specific Bluetooth device. The purpose of Discoverable mode is that you put the device in a finder's mode. It is sending out a signal that can be discovered by any Bluetooth device searching for one, e.g. the BlueM that you have just bought. The passkey is used as a security measure so that no one else can pair with your Palm or phone.



7.0 Limitations

The Palm Traveller 's kit will not work while you 've got the BlueM connected on your Palm. As mentioned in chapter 5.2, your Bluetooth connection will be lost when you cradle your Palm (unless you remove the serial cable from your computer).

8.0 BlueM regulatory information

This product complies with any mandatory product specification in any country where the product is sold. In addition, the product complies with the following.

8.1 FCC approval

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FDD Rules. Operation is subject to the following two conditions. (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio/TV technician for help.

NOTE! The radiated output power of BlueM is far below the FCC radio frequency exposure limits. Nevertheless, the BlueM shall be used in such a manner that the potential for human contact during normal operation is minimized.



8.2 Canadian RFI statement

This Class B digital apparatus meets all requirements of the Canadian Interference- Causing Equipment Regulations. The certification no Canada 4001104318A.

8.3 European Union (EU) and EFTA

This equipment complies with the R&TTE directive 1999/5/EC and the following standards: ETS 300 328, ETS 300 826, EN 60 950 and has been provided with the CE mark accordingly.



8.4 Bluetooth

This equipment is qualified according to Bluetooth specification Ver. 1.0B (Specification of the Bluetooth System, Core Specification Volume 1 and Profiles Specification Volume 2 V 1.0B, December 1st 1999 (Document number 1.C.47/1.0B) + Critical Errata) and supports DUN and Serial port profile.



9.0 Technical Data

Power consumption standby:	0.5mA
Power consumption established connection with data transfer:	35mA
Supply voltage:	3.2v -4.2v
Operating temperature:	0 -60 °C
Max RF output power:	2.5 mW (4 dBm)
Nominal RF output power:	1 mW (0 dBm)
Range:	Up to 10 meters, free sight.
Weight:	26 g
Size:	49.3 X 88.4 X 11.8mm (w X L X h)
Bluetooth power class:	2

Compliant with Bluetooth 1.0b (Document number 1.C.47/1.0 B)+C.e.

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