

Red-M Blade
Bluetooth Clip-on for Palm Vx
User Guide

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Introduction

About the Red-M Blade

The Red-M Blade is a simple and innovative accessory that adds a new level of flexibility to your Palm™ Vx handheld. Whether you are in the office or on the road you can enjoy hassle-free, wireless connection to personal, corporate and public data.

With a Red-M Blade and a Bluetooth™ enabled mobile phone, you can access the Internet, and send and receive email. The connection is cable-free and there is no longer any need to carefully line up your Palm Vx handheld with your mobile phone or PC to achieve a line-of-sight, infrared connection.

You can perform a wireless HotSync® operation to your laptop via your Red-M Blade instead of the usual Palm cradle. When away from the office, you can perform a remote HotSync operation via your mobile phone. The Red-M Blade also enables you to interact with other Bluetooth-enabled Palm Vx handhelds.

If your office has Bluetooth infrastructure installed, you can use your Palm Vx with the Red-M Blade attached in meeting rooms and other Bluetooth enabled areas to maintain connection to the corporate intranet or Internet, to send and receive emails, and to update your calendar.

Getting started

To use your Red-M Blade, do the following:

1. Install the software

For instructions on how to install Red-M Blade software on your Palm Vx, see *Installing the Red-M Blade software on page 11*.

2. Attach the Red-M Blade

For instructions on how to attach the Red-M Blade, see *Attaching the Red-M Blade on page 12*.

3. Configure your Palm Vx for Bluetooth services

Configure the software to connect with any or all of the following Bluetooth-enabled devices:

- a mobile phone for access to the Internet or to perform remote HotSync operations with your computer via your corporate network (where you have a remote access dial-up facility). For instructions, see *Configuring a connection to the Internet via a mobile phone on page 14* and *Configuring a remote HotSync operation via a mobile phone on page 27*.
- a laptop computer or PC to perform HotSync operations. For instructions, see *Configuring a HotSync operation with a computer on page 23*.
- an Access Point on your local area network (LAN) for connection to LAN intranet and Internet services and to perform HotSync operations with a designated computer. For instructions, see *Configuring a Bluetooth-enabled LAN connection on page 21* and *Configuring a HotSync operation via a Bluetooth-enabled LAN on page 25*.
- another Bluetooth enabled Palm Vx handheld for playing games. There are games and associated documentation included on the Red-M CD.

Red-M Blade overview

This section lists the Bluetooth services provided by the Red-M Blade. It describes the additional options and menu items that you will find on your Palm Vx handheld following installation of the Red-M Blade software. It also explains how to use device categories and the information used when you connect to the Internet.

Bluetooth services

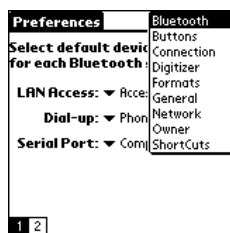
To enable the Red-M Blade to connect to a number of different types of devices, Red-M software supports three Bluetooth services:

- LAN Access
Use this service to connect to Bluetooth network infrastructure.
- Dial-up Networking
Use this service to connect to a Bluetooth-enabled mobile phone.
- Serial
Use this service to perform a HotSync operation with a computer or to connect to another Palm Vx handheld to play games.

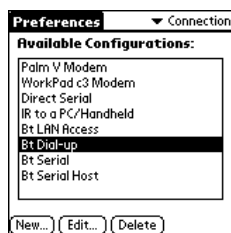
Additions to Palm Vx menus

When you have completed the software installation, you will find some additional items on your Palm Vx handheld *System, Prefs* menus.

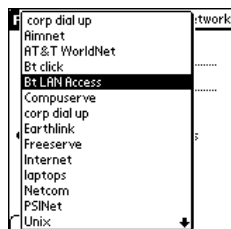
- the option *Bluetooth* has been added to the pick list in the upper-right corner of the *System, Prefs* screen. From the Bluetooth preferences screen you can set the default device categories for each Bluetooth service which enables you to automate your Bluetooth connections (see *Managing Bluetooth devices* below).



- four Bluetooth connection configurations (Bt LAN Access, Bt Dial-up, Bt Serial and Bt Serial Host) have been added to the *Available Configurations* list on the *System, Prefs, Connections* screen. Choose *Connections* from the pick list described above to access this screen.



- a new network service called *Bt LAN Access* on the *System, Prefs, Network* screen (choose *Network* from the pick list). This is the service that is used to connect to a Bluetooth-enabled local area network.



Managing Bluetooth devices

Before your Red-M Blade can connect to any other Bluetooth device it must first discover other Bluetooth devices within range.

You can discover all Bluetooth-enabled devices within range of your Red-M Blade by performing a 'device discovery'. Once discovered, you can move devices into categories such as *Phones*, *Computers* and *Access Points*, for easy management and automated connection to each Bluetooth service.

Using categories

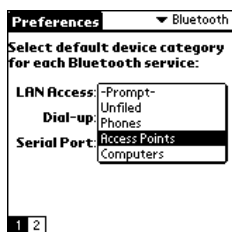
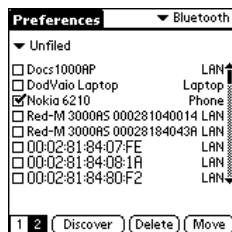
Each Bluetooth service (Dial-up, LAN access and Serial) has a default device category assigned to it. Whenever a Bluetooth connection is requested, your Palm Vx handheld will automatically connect to a device in the Bluetooth service's default category. For example, if you place your mobile phone into the *Phones* category, you can specify that each time you make a Bluetooth Dial-up networking connection, your Palm Vx handheld should connect to a device in the *Phones* category. Similarly, if you put a Red-M Access Point into the *Access Points* category, you can specify that each time your Palm Vx handheld makes a LAN Access connection, it should connect to a device from the *Access Points* category.

If a category contains multiple devices, the Red-M Blade will connect to the first available device. This is useful if, for example, there are several LAN Access Points in your office to which you can connect.

File devices into categories using *Bluetooth preferences screen 2*.

When you have installed the Red-M Blade software, the *Phones*, *Access Points* and *Computers* categories will already be available for you to use. You can add, delete and merge categories as required using the *Edit categories* option from the pick list on this screen.

Set the default device category for each Bluetooth service by using *Bluetooth preferences screen 1*. You can also set the default device category to *Prompt*. If you do this, when the Palm Vx handheld needs to make a Bluetooth connection, you will be asked which category and/or device to which you want to connect.



Palm network service settings

When an application (for example, a WAP browser) on the Palm Vx handheld wants to use the network, the network service that will be used to make the connection will be the service that is displayed on the *System, Prefs, Network* screen.

Each network service has a *Connection* setting, which determines the physical network connection used. Connections are managed through the *System, Prefs, Connection* screen.

Red-M Blade software adds a network service setting called *Bt LAN Access*, with *Connection* set to *Bt LAN Access*. This is the network service that is used when you connect to Bluetooth LAN Access Points.

If you are connecting to an intranet or the Internet via a Bluetooth-enabled mobile phone, you must add a new network service and set *Connection* to *Bt Dial-up*. For more information, see *Configuring a connection to the Internet via a mobile phone* on page 14.

When a network service using *Bt LAN Access* or *Bt Dial-up* connection is used, the device used to make the connection will

be one that is stored in the default device category for LAN Access or Dial-up respectively.

Your *System, Prefs* settings determine which Bluetooth-enabled device and which network service will be used to make the connection. The diagram below illustrates how the information on the *Bluetooth* and *Network* screens from *System, Prefs* settings is used when internet connection is made.

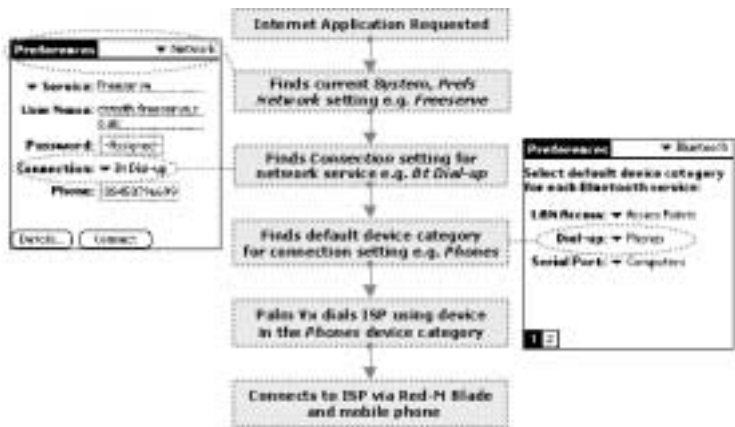


Figure 1: Use of Network and Bluetooth preferences when making an Internet connection

Installing the Red-M Blade software

Before you begin

Before you begin, you will need:

- a Palm Vx handheld running Palm OS® 3.5.x or later. To find out which version of the Palm OS you are running, tap the *Applications* icon  then the *menu* icon , and from the *App* menu choose *Info*, then tap *Version*. Upgrades for earlier Palm OS versions are available from the Palm web site at www.palm.com. Red-M Blade software is not compatible with Palm V models.
- a PC running Microsoft Windows 95, 98, NT4, ME or 2000 Professional with a CD-ROM drive (for software installation). Your PC must have Palm Vx Desktop software installed and have the Palm cradle connected.
- a Red-M CD (supplied).

To install the Red-M Blade software

1. Insert the Red-M CD into your PC; the Red-M Blade install menu is displayed.
2. Click on *Install Software for Red-M Blade*. If more than one Palm Vx user is installed on your PC, you will also need to specify which user you wish to receive the files.
3. Click *OK* to exit the install menu.
4. Install the Red-M Blade software on your Palm Vx by mounting the Palm Vx in its cradle (without the Red-M Blade attached) and performing a HotSync operation.
5. When the HotSync operation completes, you will be asked to reset your Palm Vx handheld. Do so.

Additional software on the Red-M Blade CD

Some additional Palm Vx applications have been included on the Red-M Blade CD which you may wish to install on your Palm Vx handheld to enhance your Bluetooth functionality and ease of connection. Adobe Acrobat Reader is also included, which is a PC application required to read the documentation that is on the CD.

To install any or all of these applications, select 'Other Software' on the Red-M Blade install menu, select your application and then follow the on-screen instructions. Documentation for these applications is included on the CD.

Attaching the Red-M Blade

Before attaching the Red-M Blade, note down its Bluetooth address, which is printed on its front. Depending on your Bluetooth security settings, this may be required to identify the Red-M Blade when connecting to Bluetooth services.

The Red-M Blade has a 10-pin connector at the bottom, which is identical to the one on your Palm handheld serial cradle. To attach the Red-M Blade, simply slide your Palm handheld onto the Red-M Blade's connector as you would for mounting in its serial cradle. Once connected, push the Palm handheld back towards the Blade until you hear a 'click'.

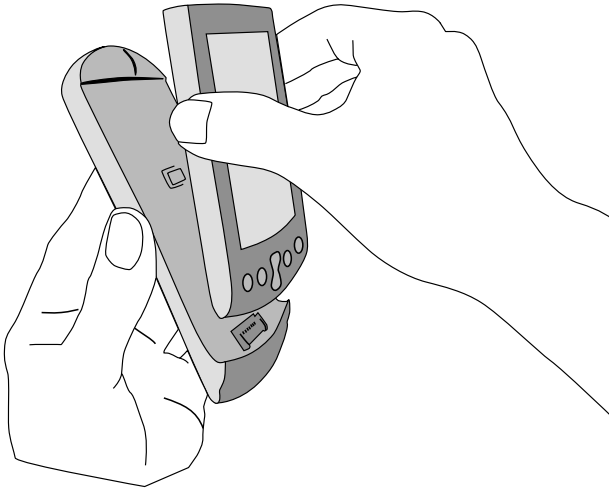


Figure 2: Attaching the Red-M Blade

Note: With the Red-M Blade attached, you can perform a Bluetooth HotSync operation but not the usual serial HotSync operation using the cradle. If you need to perform a serial HotSync operation with the cradle attached, simply detach the Blade from your Palm handheld. The Palm handheld will recharge its batteries as normal when placed in the serial cradle with the Red-M Blade attached.

Detaching the Red-M Blade

To detach the Red-M Blade, turn the unit over so that it is face down, and push the latch at the back to the left to unclip the Palm Vx handheld. Pull the Palm Vx handheld up and away from the Red-M Blade.

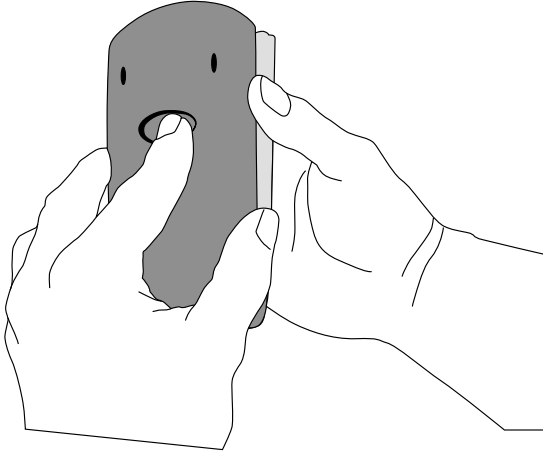


Figure 3: Pushing the latch on the back of the Red-M Blade

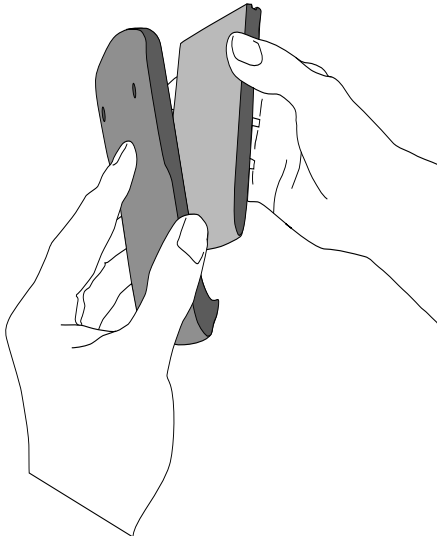


Figure 4: Detaching the Red-M Blade

Configuring a connection to the Internet via a mobile phone

Before you begin

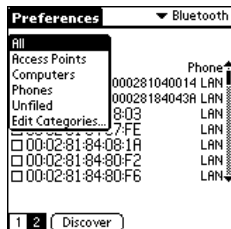
Before you begin, you will need:

- a Palm Vx handheld with a Red-M Blade attached (see page 12) and Red-M software installed (see page 11).
- a Bluetooth-enabled mobile phone:
 - if you have a Nokia 6210, see *To configure your Palm Vx to connect to a Nokia 6210 with bluetooth battery on page 14.*
 - if you have an Ericsson T39m or R520m, see *To configure your Palm Vx to connect to an Ericsson T39m or R520m on page 16.*
 - if you have any other Bluetooth-enabled mobile phone, see *To configure your Palm Vx to connect to a mobile phone on page 19.*
- the Bluetooth address and passkey of your mobile phone. This information may be printed on the mobile phone's battery label, but the location varies with manufacturer. On some mobile phones you choose your own passkey. Refer to your mobile phone manual for more information.
- an ISP account user name, password and phone number.

To configure your Palm Vx to connect to a Nokia 6210 with bluetooth battery

Configuring your Palm Vx handheld

1. On your Palm Vx handheld, perform a device discovery:
 - i. Go to *System, Prefs* and select *Bluetooth* from the pick list.
 - ii. Tap 2 (1 2) to go to Screen 2 (shown); ensure that the pick list selection is set to *All* or *Unfiled*, and then tap *Discover*.
 - iii. The Red-M Blade will then find all Bluetooth-enabled devices in range.
 - iv. Tap *Stop* to halt the discovery process.



2. Look for the Bluetooth address or name of your mobile phone in the list of discovered devices. Tap on this address or name to go to the *Device Information* dialog (shown).
3. In the *Device Information* dialog, tap *-Not set-* and enter the passkey of your mobile phone. Tap *OK* to close the *Bluetooth Passkey* dialog.

Device Information ⓘ

Address: 00E0:0379:ECB6
Name: Nokia 6210

Services: ☒ LAN Access
☒ Dial-up Networking
☒ Serial Port

Passkey: -Not set-

Encryption: ☐

OK Cancel Update

4. Tap *Update*. The Red-M Blade will retrieve the device name and service profiles available; a tick should now be displayed beside *Dial-up Networking*.
5. Tap *OK* to exit the *Device Information* dialog and return to the list of discovered devices.
6. Move your mobile phone into the *Phones* category:
 - i. Tap the checkbox to the left of the name of your mobile phone.
 - ii. Tap *Move*; in the *Move Selected Devices* dialog, select *Phones* from the drop-down menu. Tap *OK* to accept the change and close the dialog.

Preferences ▼ Bluetooth

▼ Unfiled

☐ Docs1000RP	LAN
☐ DodVailo Laptop	Laptop
☒ Nokia 6210	Phone
☐ Red-M 3000RS 000281040014	LAN
☐ Red-M 3000RS 00028184043A	LAN
☐ 00-02-81-84-07FE	LAN
☐ 00-02-81-84-081A	LAN
☐ 00-02-81-84-80F2	LAN

1 2 Discover Delete Move

7. Tap *1* to go to *Screen 1*; ensure that the *Dial-up* category is set to *Phones*.
8. Set up your ISP details:
 - i. From the pick list in the top right-hand corner, select *Network*, then tap the *Menu* icon  and tap *New*.
 - ii. Give the *Service* a name - 'Freeserve' for example - and under *User Name* input the name required by your ISP.
 - iii. Tap *-Prompt-* to enter the ISP password; if you leave the password setting as *-Prompt-* you will be asked to input the password each time you connect.
 - iv. Set *Connection* as *Bt Dial-up* using the drop-down list.
 - v. Enter the ISP phone number in *Phone*.

Preferences ▼ Network

▼ **Service:** freeserve

User Name: dsmith.freeserve.co.uk

Password: -Assigned-

Connection: ▼ Bt Dial-up

Phone: 08450796699

Details... Connect

Testing the connection

To test the connection, tap *Connect* in the *Network, Prefs* screen.

Using the Internet

Now that the ISP and phone set up is complete, when you use an application that requires an Internet connection, the Red-M Blade will automatically contact the mobile phone which will dial your ISP and give you an Internet connection.

Note: If you subsequently change the network service selected on the *System, Prefs, Network* screen (for example, if you change to Bluetooth *Bt LAN Access* service that uses a LAN Access Point on a corporate Bluetooth network), when you want to connect to your mobile phone, you must reset the current network service to the Bluetooth Dial-up service that you added in the above procedure.

To end the Bluetooth session

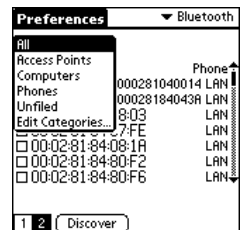
To end the Bluetooth session and thereby terminate the mobile phone call, do one of the following:

- switch off the Palm Vx.
- use the *Disconnect* option (if one exists) in whichever application you are using.
- go to *System, Prefs, Network* and tap the *Disconnect* button.

To configure your Palm Vx to connect to an Ericsson T39m or R520m

Connecting your Palm Vx handheld to your mobile phone

1. On your mobile phone, select *Menu, Extras, Bluetooth* and *Discoverable*.
2. On your Palm Vx handheld, perform a device discovery:
 - i. Go to *System, Prefs* and select *Bluetooth* from the pick list.
 - ii. Tap 2 (1 2) to go to Screen 2 (shown); ensure that the pick list selection is set to *All* or *Unfiled*, and then tap *Discover*.
 - iii. The Red-M Blade will then find all Bluetooth-enabled devices in range.
 - iv. Tap *Stop* to halt the discovery process.



3. Look for the Bluetooth address or name of your mobile phone in the list of discovered devices. Tap on this address or name to go to the *Device Information* dialog (shown).

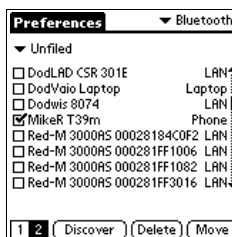


4. In the *Device Information* dialog, tap *-Not set-* and enter a passkey for your mobile phone (a four figure number, for example). Tap OK to close the *Bluetooth Passkey* dialog.
5. On your mobile phone, select *Menu, Extras, Bluetooth*. Select *Paired devices, Add device*, and *Phone* accepts.

6. On the Palm Vx handheld, ensure your mobile phone is highlighted in the list of discovered devices. From the Preferences pick list, tap *Connect*. Your mobile phone will display the prompt: *Add to paired devices?*.



7. On your mobile phone select Yes. Your mobile phone will now prompt you for the passkey that you entered on the Palm Vx handheld earlier in this procedure.
8. On your mobile phone, enter the passkey and select Yes. If pairing is successful, you can now edit the name of your Palm Vx on your mobile phone. Your mobile phone adds your paired devices to the Paired List.
9. On your Palm Vx handheld, move your mobile phone into the *Phones* category:
 - i. Tap the checkbox to the left of the name of your mobile phone.
 - ii. Tap *Move*; in the *Move Selected Devices* dialog, select *Phones* from the drop-down menu. Tap OK to accept the change and close the dialog.



10. Tap 1 to go to Screen 1; ensure that the *Dial-up* category is set to *Phones*.

11. Set up your ISP details:

- i. From the pick list in the top right-hand corner, select *Network*, then tap the *Menu* icon  and tap *New*.
- ii. Give the *Service* a name - 'Freeserve' for example - and under *User Name* input the name required by your ISP.
- iii. Tap *-Prompt-* to enter the ISP password; if you leave the password setting as *-Prompt-* you will be asked to input the password each time you connect.
- iv. Set *Connection* as *Bt Dial-up* using the drop-down list.
- v. Enter the ISP phone number in *Phone*.



Preferences Network

▼ Service: Freeserve

User Name: dsmith.freeserve.co.uk

Password: -Assigned-

Connection: ▼ Bt Dial-up

Phone: 08450796699

Details... Connect

Testing the connection

To test the connection, tap *Connect* in the *Network, Prefs* screen

Using the Internet

Now that the ISP and phone set up is complete, when you use an application that requires an Internet connection, the Red-M Blade will automatically contact the mobile phone which will dial your ISP and give you an Internet connection.

Note: If you subsequently change the network service selected on the *System, Prefs, Network* screen (for example, if you change to Bluetooth *Bt LAN Access* service that uses a LAN Access Point on a corporate Bluetooth network), when you want to connect to your mobile phone, you must reset the current network service to the Bluetooth Dial-up service that you added in the above procedure.

To end the Bluetooth session

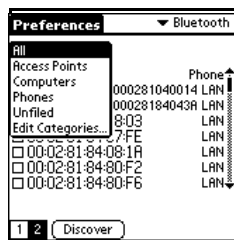
To end the Bluetooth session and thereby terminate the mobile phone call, do one of the following:

- switch off the Palm Vx.
- use the *Disconnect* option (if one exists) in whichever application you are using.
- go to *System, Prefs, Network* and tap the *Disconnect* button.

To configure your Palm Vx to connect to a mobile phone

Note: Depending on the manufacturer, you may need to configure your mobile phone to be Bluetooth-enabled. Refer to the documentation that accompanied it for more information.

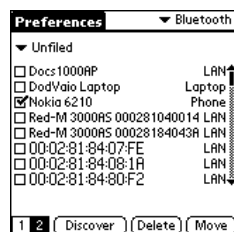
1. On your Palm Vx handheld, perform a device discovery:
 - i. Go to *System, Prefs* and select *Bluetooth* from the pick list.
 - ii. Tap 2 (1 2) to go to Screen 2 (shown); ensure that the pick list selection is set to *All* or *Unfiled*, and then tap *Discover*.
 - iii. The Red-M Blade will then find all Bluetooth-enabled devices in range.
 - iv. Tap *Stop* to halt the discovery process.



2. Look for the Bluetooth address or name of your mobile phone in the list of discovered devices. Tap on this address or name to go to the *Device Information* dialog (shown).
3. In the *Device Information* dialog, tap *-Not set-* and enter the passkey of your mobile phone. Tap *OK* to close the *Bluetooth Passkey* dialog.
4. Tap *Update*. The Red-M Blade will retrieve the device name and service profiles available; a tick should now be displayed beside *Dial-up Networking*.
5. Tap *OK* to exit the *Device Information* dialog and return to the list of discovered devices.



6. Move your mobile phone into the *Phones* category:
 - i. Tap the checkbox to the left of the name of your mobile phone.
 - ii. Tap *Move*; in the *Move Selected Devices* dialog, select *Phones* from the drop-down menu. Tap *OK* to accept the change and close the dialog.



7. Tap 1 to go to Screen 1; ensure that the *Dial-up* category is set to *Phones*.

8. Set up your ISP details:
 - i. Select *Network*, then tap the *Menu* icon  and tap *New*.
 - ii. Give the *Service* a name - 'Freesevice' for example - and under *User Name* input the name required by your ISP.
 - iii. Tap *-Prompt-* to enter the ISP password; if you leave the password setting as *-Prompt-* you will be asked to input the password each time you connect.
 - iv. Set *Connection* as *Bt Dial-up* using the drop-down list.
 - v. Enter the ISP phone number in *Phone*.



Preferences ▼ Network

▼ **Service:** Freesevice

User Name: dsmith.freesevice.co.uk

Password: -Assigned-

Connection: ▼ Bt Dial-up

Phone: 08450796699

Details... Connect

Testing the connection

To test the connection, tap *Connect* in the *Network, Prefs* screen.

Using the Internet

Now that the ISP and phone set up is complete, when you use an application that requires an Internet connection, the Red-M Blade will automatically contact the mobile phone which will dial your ISP and give you an Internet connection.

Note: If you subsequently change the network service selected on the *System, Prefs, Network* screen (for example, if you change to Bluetooth *Bt LAN Access* service that uses a LAN Access Point on a corporate Bluetooth network), when you want to connect to your mobile phone, you must reset the current network service to the Bluetooth Dial-up service that you added in the above procedure.

To end the Bluetooth session

To end the Bluetooth session and thereby terminate the mobile phone call, do one of the following:

- switch off the Palm Vx.
- use the *Disconnect* option (if one exists) in whichever application you are using.
- go to *System, Prefs, Network* and tap the *Disconnect* button.

Configuring a Bluetooth-enabled LAN connection

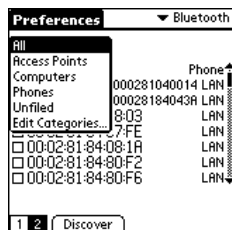
Before you begin

Before you begin, you will need:

- a Palm Vx handheld with a Red-M Blade attached (see page 12) and Red-M software installed (see page 11).
- configured Bluetooth infrastructure (for example, a Red-M 3000AS access server running software version 1.3 or later with Access Points connected).
- the name or Bluetooth address of the Access Point or Access Server to which you want to connect and the Bluetooth passkey if one is used. For this information, ask your system administrator.

To configure your Palm Vx to connect to LAN Access infrastructure

1. On your Palm Vx handheld, perform a device discovery:
 - i. Go to *System, Prefs* and select *Bluetooth* from the pick list.
 - ii. Tap 2 (1 2) to go to Screen 2 (shown), ensure that the pick list selection is set to *All* or *Unfiled*, and then tap *Discover*.
 - iii. The Red-M Blade will then find all Bluetooth-enabled devices in range.
 - iv. Tap *Stop* to halt the discovery process.
2. In the list of discovered devices, look for the name or Bluetooth address of each of the Access Points to which you want to connect. Access Points and Access Servers will be categorized as LANs in this list. (Access Servers are treated as Access Points in this procedure.)



3. If your system administrator has given you a Bluetooth passkey:

- i. Tap the Access Point's name to go to the *Device Information* screen (shown)
- ii. Tap *-Not set-* and enter the passkey. Tap *OK* to exit the *Bluetooth Passkey* dialog.

The screenshot shows the 'Device Information' screen for a Bluetooth device. At the top, it says 'Device Information' with an information icon. Below that, the 'Address' is '00:02:81:84:60:B6' and the 'Name' is 'Docs1000AP'. Under 'Services', there are three options: 'LAN Access' (checked), 'Dial-up Networking' (checked), and 'Serial Port' (unchecked). The 'Passkey' field shows '-Not set-'. There is an 'Encryption' checkbox which is unchecked. At the bottom are three buttons: 'OK', 'Cancel', and 'Update'.

4. Move your Access Point into the *Access Points* category:

- i. Tap the checkbox to the left of the name of your Access Point.
- ii. Tap *Move*; in the *Move Selected Devices* dialog, select *Access Points* from the drop-down menu.
- iii. Tap *OK* to accept the change and close the dialog.

The screenshot shows the 'Preferences' screen for Bluetooth. At the top, it says 'Preferences' with a dropdown menu set to 'Bluetooth'. Below that, there is a list of devices. The first device is 'Docs1000AP' with a checked checkbox and 'LAN' listed next to it. Other devices include 'Bronze 4p', 'Nokia 6210', and several 'Red-M 3000AS' models, each with a checkbox and a category listed (LAN, Phone, or LAN). At the bottom are four buttons: '1', '2', 'Discover', 'Delete', and 'Move'.

5. Tap *1*. Ensure the *LAN Access* default category is set to *Access Points*.

6. Set the *Service* type to *Bt LAN Access*:

- i. Select *Network* from the top right-hand menu.
- ii. Set the *Service* type to *Bt LAN Access* using the drop-down list that appears on this screen.
- iii. The *Connection* selection should also be *Bt LAN Access*.

The screenshot shows the 'Preferences' screen for Network. At the top, it says 'Preferences' with a dropdown menu set to 'Network'. Below that, there is a section for 'Service' set to 'Bt LAN Access'. There are fields for 'User Name' and 'Password' (with a '-Prompt-' button). Below that is a 'Connection' dropdown menu set to 'Bt LAN Access'. At the bottom are two buttons: 'Details...' and 'Connect'.

Now that the Access Point set up is complete, when you use an application that needs a network connection, the Red-M Blade will automatically make a Bluetooth connection to an available Access Point in the *Access Points* category and give you access to the network.

Note: If you subsequently change the network service selected when you go to *System, Prefs, Network* (for example, if you change to a Bluetooth dial-up service that uses a mobile phone), when you want to connect to an Access Point, you must reset the current network service to *Bt LAN Access*.

Configuring Bluetooth HotSync operations

You can perform a Bluetooth HotSync operation with your computer using your Red-M Blade in three different ways:

- from your Red-M Blade directly to a Bluetooth-enabled laptop or PC.
- from your Red-M Blade via an Access Point on a Bluetooth-enabled LAN to a designated computer.
- from your Red-M Blade via a mobile phone connection to a remote access server on your LAN.

Note: to perform a serial HotSync operation using the Palm cradle, you must first detach the Red-M Blade from your Palm Vx.

Configuring a HotSync operation with a computer

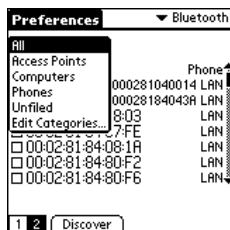
Before you begin

Before you begin, you will need:

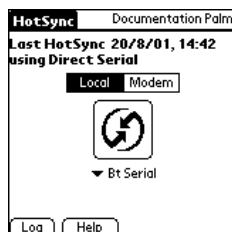
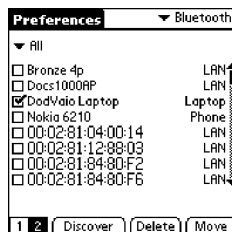
- a Palm Vx handheld with a Red-M Blade attached (see page 8) and Red-M software installed (see page 6).
- a computer with Palm Vx Desktop software and a Bluetooth PCMCIA card or Bluetooth USB device installed.
- the Bluetooth address of the Bluetooth PCMCIA card or Bluetooth USB device. You can find this address by using the Bluetooth client software on your computer.

To configure a HotSync operation with a computer

1. On your Palm Vx handheld, perform a device discovery:
 - i. Go to *System, Prefs* and select *Bluetooth* from the pick list.
 - ii. Tap 2 (1 2) to go to Screen 2 (shown), ensure that the pick list selection is set to *All* or *Unfiled*, and then tap *Discover*.
 - iii. The Red-M Blade will then find all Bluetooth-enabled devices in range.
 - iv. Tap *Stop* to halt the discovery process.



2. Look for the Bluetooth address or name of your computer on the discovered devices list.
3. If you are using Bluetooth authentication:
 - i. Tap the computer's address or name to go to the *Device Information* dialog.
 - ii. Enter the passkey here by tapping *-Not set-*.
 - iii. Tap *Update*; tap *OK* to exit the *Device Information* dialog.
4. Move your computer into the *Computers* category:
 - i. Tap the checkbox to the left of the name of your computer.
 - ii. Tap *Move*; in the *Move Selected Devices* dialog, select *Computers* from the drop-down menu.
 - iii. Tap *OK* to accept the change and close the dialog.
5. Tap *1*. Ensure that the *Serial Port* default category should be set to *Computers*.
6. Tap the *Applications*  icon then the *HotSync* icon .
7. Your HotSync settings should specify a local HotSync operation:
 - i. Tap *Local* to select the *Local* tab.
 - ii. Tap the *Menu* icon  and select *LANSync Prefs*.
 - iii. Tap *Local HotSync* and *OK*.
8. On the *HotSync* screen, select *Bt Serial* from the pick list beneath the *HotSync* button.
9. Tap the *HotSync* button. The *HotSync* operation will begin.



Now that you have configured your Palm Vx handheld to perform a Hotsync operation with a Bluetooth-enabled computer, the next time you want to perform a HotSync operation you only have to tap the HotSync button.

Note: If you are using a PC with a Bluetooth USB device, ensure that the HotSync Manager on your PC is configured to use same serial port as your Bluetooth USB device. To check this, right-click the HotSync Manager on your PC, select *Setup* and then the *Local* tab.

Configuring a HotSync operation via a Bluetooth-enabled LAN

You can perform a HotSync operation from your Palm Vx handheld (with Red-M Blade attached) via an Access Point on a Bluetooth-enabled local area network (LAN). The PC that your Palm Vx will perform the operation with is specified as part of the configuration process.

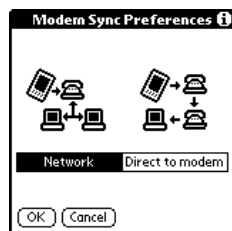
Before you begin

Before you begin, you will need:

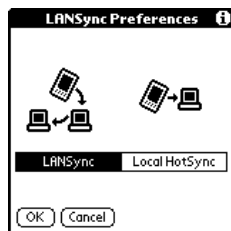
- a Palm Vx handheld with a Red-M Blade attached (see page 12) and Red-M software installed (see page 11).
- a computer with Palm Vx Desktop software installed and the name and IP address of this computer, which should be configured to allow network HotSync operations.
- configured Bluetooth infrastructure (for example, a Red-M 3000AS access server running software version 1.3 or later with Access Points connected).
- to have completed the procedure to connect to LAN Access infrastructure on page 21.

To configure a HotSync operation via a Bluetooth-enabled LAN

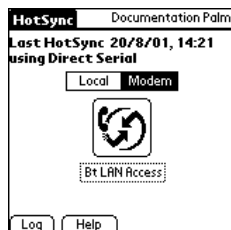
1. Go to *System, HotSync*. Tap *Modem* on the *HotSync* screen to select the *Modem* tab.
2. Tap the *Menu* icon , select *Modem Sync Prefs*, then choose *Network* and tap *OK*.



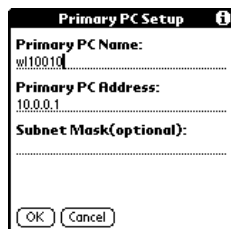
3. Tap the *Menu* icon , select *LANSync Prefs* then choose *LANSync* and tap *OK*.



4. Tap the *Menu* icon , select *Connection Setup*, ensure *Bt LAN Access* is selected in the list and tap *Done*.
5. Select *Bt LAN Access* as the service, using the pick list beneath the *HotSync* icon. The *HotSync* screen should now look like the one shown.



6. Tap the *Menu* icon , select *Primary PC Setup* and enter your HotSync PC's name in the *Primary PC Name* field.
 - to view this information, right-click the HotSync Manager on your PC, select *Setup* and the *Network* tab and then click *TCP/IP Settings*.



7. Enter your HotSync PC's IP address in the *Primary PC Address* field.
 - to view this information, right-click the HotSync Manager on your PC, select *Setup* and the *Network* tab and then click *TCP/IP Settings*.
8. Tap the *HotSync* button. The *HotSync* operation will begin.



Now that you have configured your Palm Vx handheld to perform a HotSync operation via a Bluetooth-enabled LAN, the next time you want to perform a HotSync operation you only have to tap the HotSync button.

Note: If your computer has more than one IP address, you will need to ensure that the HotSync Manager is using the correct address. To check this, right-click the HotSync Manager on your PC, select *Setup* and the *Network* tab and then click *TCP/IP Settings*; the IP address displayed here should be the same as the IP address you have entered into the *Primary PC Setup* on your Palm handheld.

Configuring a remote HotSync operation via a mobile phone

You can perform a HotSync operation from your Palm Vx handheld (with Red-M Blade attached) to a computer connected to your company network, via a Bluetooth connection to your mobile phone. This option will only be available if your company network supports dial-up remote access.

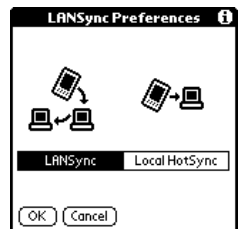
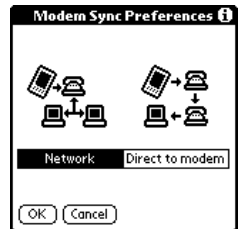
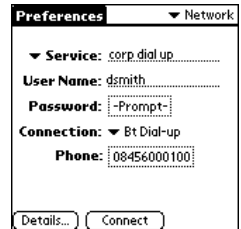
Before you begin

Before you begin, you will need:

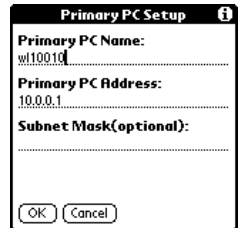
- a Palm Vx handheld with a Red-M Blade attached (see page 12) and Red-M software installed (see page 11).
- a computer with Palm Vx Desktop software installed.
- a dial-up account on your company network.
- a Bluetooth-enabled mobile phone.
- the Bluetooth address and passkey of your mobile phone. Sometimes these are printed on the battery label. You will need these before you can make a Bluetooth connection.

To configure a HotSync operation with a mobile phone

1. Follow the instructions to connect to your mobile phone on page 14 up to and including step 7.
2. Set up your company dial-up details:
 - i. Go to *System, Prefs* and from the pick list on the upper-right corner of the screen, select *Network*
 - ii. Tap the *Menu* icon  and tap *New*.
 - iii. Give the *Service* a name; this name will be used to select this service from the *Network, Services* pick list.
 - iv. Select *Bt Dial-up* as the connection type using the *Connection* drop-down menu.
 - v. Enter the telephone number of your company's dial-up service and your username and password.
 - vi. Tap *OK*.
3. Tap the *Applications*  icon then the *HotSync* icon .
4. Tap *Modem* on the *HotSync* dialog to select the *Modem* tab.
5. Tap the *Menu* icon  and select *Modem Sync Prefs*. Select *Network* and tap *OK*.
6. Tap the *Menu* icon  and select *LANSync Prefs*. Select *LANSync* and tap *OK*.



7. Ensure that your corporate remote-access dial-up service is the selected service (this is displayed below the *HotSync* icon). If you need to change the service selection:
 - i. Tap the current service selection.
 - ii. On the *Prefs, Network* screen, tap *Service* and select your corporate remote-access dial-up service.
 - iii. Tap *Done*.
8. Tap the *Menu* icon , select *Primary PC Setup* and enter your HotSync PC's name in the *Primary PC Name* field.
 - to view this information, right-click the HotSync Manager on your PC, select *Setup* and the *Network* tab and then click *TCP/IP Settings*.
9. Enter your HotSync PC's IP address in the *Primary PC Address* field.
 - to view this information, right-click the HotSync Manager on your PC, select *Setup* and the *Network* tab and then click *TCP/IP Settings*.
10. Tap the *HotSync* button. The HotSync operation will begin.



Now that you have configured your Palm Vx handheld to perform a Hotsync operation via your mobile phone, the next time you want to perform a HotSync operation in this way you only have to tap the HotSync button.

Technical support and contact information

For Red-M Blade support information, visit the Red-M website at www.red-m.com/blade

Regulatory information

The following regulatory statements apply to the Red-M Blade - Bluetooth Clip-on for Palm Vx.

Europe (EEA)

This product is designed to connect to "Bluetooth" compatible radio interfaces using the 2.4 GHz frequency band in all EEA Member States with the exception of France where the use of the following frequencies is restricted:

2.4000 - 2.4460 GHz	Use Excluded - Military Band
2.4540 - 2.4835 GHz	Limited to indoor video applications

[Member States of the EEA are: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Liechtenstein, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.]

North America

This equipment complies with part 15 of the FCC rules. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This device has been designed to operate with an antenna having a maximum gain of 0 dB. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied- The device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Power supply information

English

CAUTION: Only use this product with a power source that meets the "Limited Power Source" requirements of IEC 60950 or equivalent safety standards. Use the power supply provided (if applicable) or contact Red-M for a list of suitable power sources.

Dansk

ADVARSEL: Dette produkt må kun anvendes sammen med strømkilder, der opfylder kravene vedrørende "Limited Power Source" i IEC 60950 eller tilsvarende sikkerhedsstandarder. Anvend den medfølgende strømforsyning (hvis muligt), eller kontakt Red-M og få en liste over godkendte strømkilder.

Français

ATTENTION: n'utilisez ce produit qu'avec une source d'énergie conforme à la norme IEC 60950 en matière de « source d'énergie limitée », ou autre norme de sécurité équivalente. Utilisez l'alimentation en courant fournie (si applicable) ou bien contactez Red-M pour obtenir une liste des sources d'énergie adéquates.

Español

PRECAUCIÓN: Emplee este producto únicamente con una fuente de alimentación que cumpla la norma de seguridad IEC 60950 de alimentación limitada, o equivalente. Utilice la fuente de alimentación suministrada, si es el caso, o consulte a Red-M para obtener una lista de fuentes de alimentación apropiadas.

Português

Advertência: Utilize este produto apenas com uma fonte de energia que respeite os requisitos definidos em "Fontes de Energia Limitadas" da norma IEC 60950 ou dos padrões de segurança equivalentes. Utilize a fonte de alimentação fornecida (se aplicável) ou contacte Red-M para obter uma lista de fontes adequadas.

Suomi

MUISTUTUS: Käytä tätä tuotetta vain sellaisen virtälähteen yhteydessä, joka täyttää standardin 60950 "rajoitetun virtälähteen" tai muiden vastaavien standardien asettamat turvallisuusvaatimukset. Käytä toimitettua virtälähdettä (jos asianmukaista) tai ota yhteys RedM:ään sopivien virtälähteiden luettelon saamiseksi.

Flemish

OPGELET: gebruik dit product enkel met een voedingsbron die voldoet aan de "Minimum voedingsbron"-vereisten van IEC 60950 of evenwaardige veiligheidsvoorschriften. Gebruik bijhorende voedingsbron (indien deze geschikt is) of neem contact op met RED-M voor een lijst van geschikte voedingsbronnen.

Nederlands

WAARSCHUWING: Gebruik dit product alleen met een voedingsbron die voldoet aan de "Minimum voedingsbron"-vereisten van IEC 60950 of evenwaardige veiligheidsvoorschriften. Gebruik de bijbehorende voedingsbron (indien van toepassing) of neem contact op met Red-M voor een lijst van geschikte voedingsbronnen.

Deutsch

WARNUNG: Verwenden Sie dieses Produkt nur mit einer Stromquelle, die die Anforderungen bezüglich "begrenzter Stromquellen" gemäß IEC 60950 oder entsprechender Sicherheitsnormen erfüllt. Verwenden Sie das im Lieferumfang enthaltene Netzteil (sofern zutreffend), oder fordern Sie bei Red-M eine Liste der geeigneten Stromquellen an.

Svensk

FÖRSIKTIGT! Denna produkt får bara användas med en effektkälla som uppfyller kraven för "Begränsad effektkälla" i IEC 60950 eller motsvarande säkerhetsnormer. Använd medföljande effektkälla (i förekommande fall) eller begär en lista över lämpliga effektkällor från Red-M.

Íslenska

VARÚÐ: Notið þessa vöru eingöngu með aflgjafa sem stenst kröfur í kaflanum um "aflgjafa með takmarkað afl" í IEC 60950 (ÍST EN 60950) eða sambærilegra öryggisstaðla. Notið aflgjafann sem fylgir (ef viðeigandi) eða fáið lista yfir nothæfa aflgjafa hjá umboðsaðila vörunnar.

Norsk

FORSIKTIG: Dette produktet skal bare brukes med en strømkilde som tilfredsstiller kravene til "Begrenset strømkilde" i IEC 60950 eller tilsvarende sikkerhetsstandard. Bruk den medfølgende strømforsyningen (hvis en slik finnes) eller kontakt Red-M for å få en oversikt over passende strømkilder.

Σλληνικά

ΠΡΟΣΟΧΗ: Χρησιμοποιήστε αυτό το προϊόν μόνο με πηγή ενέργειας που είναι σύμφωνη με την οδηγία του IEC 60950 περί «Περιορισμένης Πηγής Ενέργειας» ή αντίστοιχων προδιαγραφών ασφαλείας. Χρησιμοποιήστε την πηγή ενέργειας που παρέχεται (αν είναι κατάλληλη) ή επικοινωνήστε με την Red-M για να σας προμηθεύσει με κατάλογο συμβατών πηγών ενέργειας

Italiano

ATTENZIONE: Utilizzare questo prodotto solo con sorgenti di alimentazione che soddisfano i requisiti di sicurezza IEC 60950 o equivalenti. Utilizzare l'alimentatore fornito (ove applicabile) o contattare Red-M per ottenere un elenco delle sorgenti di alimentazione adeguate.

EC Declaration of Conformity

We: **Red-M**
Whitson Springs
Tranwell Road
Weyham
Bournemouth
United Kingdom

Declare under our sole responsibility that the following product:

Model: Bluetooth (Clip-on for Palm V)
Part number: 8438-001

is in conformity with the provisions of Council Directive (2002/95/EC) on waste equipment and telecommunications terminal equipment and the mutual recognition of their conformity, based on compliance with the following relevant harmonised standards:

EN 50566-1:2002 (inc A1: 1993, A2: 1995, A3: 1995, A4: 1997, A11: 1997)
 EN 300 220-2: 2005
 EN 301 490-11: 2005

Name: **C. Moyn** Position: **VP, R & D and Business Management**

Signature:

for and on behalf of Red-M

Date: **22 May 2007**

We, Red-M, declare under our sole responsibility that the 8438-001 is in conformity with the provisions of Council Directive (2002/95/EC) on waste equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

This equipment is intended to be used in all Member States of the European Economic Area (EEA):

It is designed in conformity with "Bluetooth" compatible radio interfaces using the 2.4 GHz frequency band in all EEA Member States with the exception of Finland where the use of the following frequency is confirmed:

1 4920 - 1 4940 MHz (not included - Military Band)
 1 4940 - 1 4950 MHz (not included - Military Band)

Member States of the EEA are: Austria, Belgium, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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- transfer or assign your rights to use the Software except upon a transfer of any associated Red-M hardware
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- use the Software for any purpose other than as permitted in this Agreement.

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