

CellRoute 3G

Fixed Wireless Terminal



Data Connectivity

Version 2 – December 2010

CellRoute 3G Data Connectivity



This manual will help you to set-up the CellRoute 3G on your PC or laptop. Follow the instructions that apply to the version of Windows that you are running. Instructions are supplied for Windows XP and Windows 7.

NOTES:

1. The CellRoute 3G driver package is required. The latest drivers can be downloaded from:

www.telecomfm.co.uk/cellroute-driver

After downloading the zip file extract the contents to a folder on your PC.

- 2. The Access Point Name (APN) for the mobile network is required. If this is not known, request this information from your mobile provider.
- 3. Before beginning ensure that the CellRoute 3G has a data enabled SIM inserted and is powered up in accordance with the "getting started" section of the handbook.



1. Connect the CellRoute 3G to an available USB port on your PC. The "Found New Hardware" indication will appear followed by the Hardware Wizard:



2. Select "Install from a list or specific location (Advanced)" and click Next:

Found New Hardware Wizard				
	Welcome to the Found New Hardware Wizard			
	This wizard helps you install software for:			
	EU3-E			
	If your hardware came with an installation CD or floppy disk, insert it now.			
	What do you want the wizard to do?			
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced) 			
	Click Next to continue.			
	< <u>B</u> ack <u>N</u> ext > Cancel			

3. Select "Search for the best driver in these locations", tick "Include this location in the search" and click the **Browse** button to locate the folder where the driver was saved to. Click the **Next** button:

Found New Hardware Wizard				
Please choose your search and installation options.				
Search for the best driver in these locations.				
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.				
Search removable media (floppy, CD-ROM)				
Include this location in the search:				
C:\CellRoute3G_USB_driver				
C Don't search. I will choose the driver to install.				
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.				
< <u>B</u> ack <u>N</u> ext > Cancel				



4. If the following warning is displayed about Windows Logo testing click the **Continue Anyway** button to install the driver:



5. Click the **Finish** button to close the Hardware Wizard:

Found New Hardware Wizard				
	Completing the Found New Hardware Wizard The wizard has finished installing the software for:			
	Cinterion EU3-E USB Com Port			
	Click Finish to close the wizard.			
	< <u>B</u> ack Finish Cancel			

6. Repeat Steps 2-5 for both the "Cinterion EU3-E USB Diag Com Port" and "Ciinterion EU3-E USB Modem" devices.



7. Click on the **Start** menu, **Control Panel**. Double-click the "Phone and Modem Options":



Note: If the screen displayed differs to that shown here click $\ensuremath{\textit{Switch to Classic}}\xspace$ $\ensuremath{\textit{View}}\xspace$

8. Click on the "Modems" tab. Select the "Cinterion EU3-E USB Modem" and click the **Properties** button:

Phone and Modem Options ?×
Dialing Rules Modems Advanced
The following modems are installed:
Modem Attached To
Add <u>R</u> emove <u>Properties</u>
OK Cancel Apply



9. Click on the "Advanced" tab. Under Extra initialisation commands enter the following text exactly as it appears here:

at+cgatt=1;+cgdcont=1,"IP","apn"

where **apn** is the access point name provided by the Network operator (for example, the **apn** for the O2 UK network is **mobile.o2.co.uk** and the **apn** for the Orange UK network is **orangeinternet**)

Cinterion EU3-E USB Modem Properties ?	×
General Modem Diagnostics Advanced Driver Power Management	
Extra Settings E <u>x</u> tra initialization commands: at+cgatt=1;+cgdcont=1;'IP'',''apn'	
<u>A</u> dvanced Port Settings Change <u>D</u> efault Preferences	
OK Cancel	

Click the **OK** button to close the Modem properties dialog box and then click **OK** to close the Phone and Modem Options dialog box.

10. From the Control Panel, double-click **Network Connections**:

🖻 Control Panel						- 🗆 ×
<u>File Edit View Favorites Too</u>	ls <u>H</u> elp					2
Back 🗸 🕥 - 🏂 🔎 Search 🔊 Folders 🔛 -						
Address 🚱 Control Panel					-	> Go
Control Panel *	Bluetooth Configur	Bluetooth Devices	Date and Time	Oisplay	FLEXIm Licens	-
🚱 Switch to Category View	N		igos		Personal statements	
See Also 🌣	Folder Options	Fonts	Game Controllers	Intel(R) Extrem	Internet Options	
 Windows Update Help and Support 	*	1		Ċ		
9	Java	Keyboard	Mail	Mouse	Network Connection s	
		¢ 🎝	4		9	
	Phone and Modem	Power Options	Printers and Faxes	Regional and La	Scanners and C	•
Connects to other computers, networks, a	and the Interne	et.				11.



11. Click **Create a new Connection**. The New Connection Wizard will be displayed, click **Next** to continue:



12. Select "Connect to the Internet" and click Next:

New Connection Wizard				
Network Connection Type Image: What do you want to do? Image: What do				
Connect to the Internet Connect to the Internet so you can browse the Web and read email.				
C Connect to the network at my workplace				
Connect to a business network (using dial-up or VPN) so you can work from home, a field office, or another location.				
Set up an advanced connection				
Connect directly to another computer using your serial, parallel, or infrared port, or set up this computer so that other computers can connect to it.				
< <u>B</u> ack <u>N</u> ext> Cancel				



13. Select "Set up my connection manually" and click Next:



14. Select "Connect using a dial-up modem" and click Next:

New Connection Wizard				
Internet Connection How do you want to connect to the Internet?				
Connect using a dial-up modem				
This type of connection uses a modem and a regular or ISDN phone line.				
Connect using a broadband connection that requires a user name and password				
This is a high-speed connection using either a DSL or cable modem. Your ISP may refer to this type of connection as PPPoE.				
C Connect using a broadband connection that is <u>a</u> lways on This is a high-speed connection using either a cable modem, DSL or LAN connection. It is always active, and doesn't require you to sign in.				
< <u>B</u> ack <u>N</u> ext> Cancel				



15. Enter a name to identify the connection and click **Next**:

New Connection Wizard
Connection Name What is the name of the service that provides your Internet connection?
Type the name of your ISP in the following box. ISP N <u>a</u> me
LellHoute
i ne name you type nere will be the name of the connection you are creating.
< <u>B</u> ack <u>N</u> ext > Cancel

- 16. Enter the following in the Phone number box and click **Next**:
 - *99***1#

New Connection Wizard	
Phone Number to Dial What is your ISP's phone number?	I)
Type the phone number below. <u>Phone number:</u> ^{*99***1#} You might need to include a "1" or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.	
< <u>B</u> ack <u>N</u> ext>	Cancel



17. Select whether this connection should be available to all users of the computer and click **Next**:

New Connection Wizard
Connection Availability You can make the new connection available to any user or only to yourself.
A connection that is created for your use only is saved in your user account and is not available unless you are logged on.
Create this connection for:
Anyone's use
C <u>M</u> y use only
< <u>B</u> ack <u>N</u> ext > Cancel

18. Leave the username and password fields blank and click **Next**:

New Connection Wizard		
Internet Account Inform You will need an accou	nation Int name and password to sign in to your Internet account.	I)
Type an ISP account n safe place. (If you have	ame and password, then write down this information and stor forgotten an existing account name or password, contact ye	eitin a ourISP.)
<u>U</u> ser name:		1
<u>P</u> assword:		
Confirm password:		,
Use this account in this computer	name and password when anyone connects to the Internet fr	om
🔽 <u>M</u> ake this the defa	ult Internet connection	
	< <u>B</u> ack <u>N</u> ext > 0	Cancel



19. Tick the box to add a shortcut to the connection on the desktop and click **Finish**:

New Connection Wizard	
Ś	Completing the New Connection Wizard
	create the following connection:
	CellRoute Make this the default connection Share with all users of this computer Use the same user name & password for everyone
	The connection will be saved in the Network Connections folder.
	Add a shortcut to this connection to my desktop
	To create the connection and close this wizard, click Finish.
	< <u>B</u> ack Finish Cancel

Installation is now complete.

CellRoute 3G Data Connectivity Windows XP - Connecting



1. Double-click the connection shortcut on the desktop. The Connect dialog will be displayed:

Connect CellRoute
User name: Password:
Save this user name and password for the following users: Me only Anyone who uses this computer
Djal: ×99×××1#
Dial Cancel Properties Help

2. Leave the Username and Password blank and click the **Dial** button. The Connecting... dialog will be displayed:

Connec	ting CellRoute	
3	Registering your computer on the network Cancel	

3. When a connection has been established an icon will be displayed in the taskbar:



A connection to the internet will now be available and the web browser can be opened to begin using the connection.

CellRoute 3G Data Connectivity Windows XP - Disconnecting



When on-line there is a computer icon in the bottom right corner of the screen that flashes whenever data is being transferred.



To terminate the connection, right click on this icon and click on **Disconnect**.



1. Connect the CellRoute 3G to an available USB port on your PC. The "Installing device driver software" indication will appear:



After a few seconds a message will be displayed showing that automatic installation failed:



2. Click on the Start menu, Control Panel:





3. Under "Hardware and Sound" click View Devices and Printers

						x
Q → → 	Hardware and Sound	Devices and Printers		✓ 4 Search Devices and	Printers	Q
<u>File Edit View</u>	<u>T</u> ools <u>H</u> elp					
Add a device	Add a printer				•	0
		2				^
Mini Web Pro Optical	TFM097	USB 2.0 Camera				
Printers and F	axes (5)					_
Fax	HP Color LaserJet 2840 PCL 6	HP Photosmart C4380 series Micr Docum	osoft XPS ment Writer OneN	d To te 2007		
Unspecified (EU3-E	2) Keyboard_Filter_0					
) items					

4. Under "Unspecified", double-click on the **EU3** device. The "EU3 Properties" window will be displayed. Click on the **Hardware** tab:

U3-E Properties	×
General Hardware	
EU3-E	
Device Functions:	
Name	Туре
EU3-E	Other devices
EU3-E	Other devices
LISE Composite Device	Other devices
Device Function Summary	
Manufacturer: Unknown	
Location: 0000.001d.0007.002.000.000.000.	000.000
Device status: The drivers for this device are not in	stalled. (Code 28)
	Properties
OK Car	icel <u>A</u> pply



5. There will be 3 entries for "EU3". Click on the 1st entry and click the **Properties** button

EU3-E Prop	perties		×
General	Driver Details		
1	EU3-E		
	Device type:	Other devices	
	Manufacturer:	Unknown	
	Location:	0000.001d.0007.002.000.000.000.0	00.000
Then elem To fir	e is no driver select ent. nd a driver for this d	ed for the device information set or evice, click Update Driver.	
		<u>U</u> pdate Driver.	
()	Change settings		
		ОК	Cancel

6. Click the Change settings button followed by the Update Driver... button





7. Click **Browse my computer for driver software**. Click the **Browse...** button and select the folder that the CellRoute driver was extracted to.

Browse for driver software on your comput	ter	10000
Search for driver software in this location:		
C:\CellRoute3G_USB_driver_eu3e	-	B <u>r</u> owse
Let me pick from a list of device driver	s on my comp	outer e, and all driver
This list will show installed driver software compat software in the same category as the device.		

8. Click **Next**. After a few seconds the Finish screen should be displayed.





9. Click the **Close** button then click the **Close** button on the Modem properties window followed by the **OK** button on the "EU3 Properties" window. You should now be back at the "Devices and Printers" window:

						0	x
G ○ • ☆ «	Hardware and Sound	 Devices and Print 	ers 🕨	▼ 4 ₇	Search Devices and Printe	rs	Q
<u>File Edit View</u>	<u>T</u> ools <u>H</u> elp						
Add a device	Add a printer					•	0
		X					^
Mini Web Pro Optical	TFM097	USB 2.0 Camera					
Printers and	Faxes (5)						
Fax	HP Color LaserJet 2840 PCL 6	HP Photosmart C4380 series	Microsoft XPS Document Writer	Send To OneNote 2007			н
• Unspecified	(2) Keyboard_Filter_0						
	0 items						

10. Double-click the **EU3** device again and click on the **Hardware** tab.

EU3-E Properties		×
General Hardware		
EU3-E		
Device Functions:		
Name	Туре	
De EU3-E	Other devices	
I IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Other devices Modems	
USB Composite Device	Universal Se	
C Device Function Summary		
Manufacturer: Unknown		
Location: 0000.001d.0007.002.000.000.000.000	000.000	
Device status: The drivers for this device are not in	stalled. (Code 28	3)
	P <u>r</u> operties	
ОК Сал		oply



11. Select one of the unidentified "EU3" devices (shown by the ! icon) and click **Properties**. Repeat steps 5-10 above to install the driver for this device.

EU3-E Properties	×
General Hardware	
EU3-E	
Device Functions:	
Name	Туре
🕪 EU3-E	Other devices
Cinterion EU3-E USB Modem	Modems
Cinterion EU3-E USB reserved Com Port (CO	Ports (COM
Device Function Summary	
Manufacturer: Unknown	
Location: 0000.001d.0007.002.000.000.000.000	000.000
Device status: The drivers for this device are not in	stalled. (Code 28)
	Properties
OK Car	ncel <u>A</u> pply

12. Select the last unidentified "EU3" device (shown by the ! icon) and click **Properties**. Repeat steps 5-10 above to install the driver for this device. All 3 devices should now be identified:

U EU3-E Properties
General Hardware
EU3-E
Device Functions:
Name Type
Cinterion EU3-E USB Com Port (COM6) Ports (COM
Cinterion EU3-E USB Modem Modems
Cinterion EU3-E USB reserved Com Port (CO Ports (COM
Manufacturer: Cinterion Wireless Modules GmbH
Location: 0000.001d.0007.002.000.000.000.000
Device status: This device is working property
Properties
OK Cancel Apply



13. Select the "Cinterion EU3 USB Modem" device and click Properties

General Modem Diagnostics Advanced Driver Details	
Cinterion EU3-E USB Modem	
Device type: Modems	
Manufacturer: Cinterion Wireless Modules GmbH	
Location: 0000.001d.0007.002.000.000.000	0.000
Device status This device is working property.	
Change settings	Cancel

14. Click the Change settings button and then click on the Advanced tab

Under Extra initialisation commands enter the following text exactly as it appears here:

at+cgatt=1;+cgdcont=1,"IP","apn"

where **apn** is the access point name provided by the Network operator (for example, the **apn** for the O2 UK network is **mobile.o2.co.uk** and the **apn** for the Orange UK network is **orangeinternet**)

Cinterion EU3-E US	B Modem Prop	erties		×
Driver	Details		Power	Management
General	Modem	Diag	gnostics	Advanced
Extra Settings Extra initializat at+cgatt=1;+ Initialization co sensitive infon modem's instru	on commands: cgdcont=1,"IP","a xmmands may lead nation in the mode uction manual for n	apn" d to the ex em log. Co nore deta	xposure of onsult your ils.	
	Chang	vanced P ge <u>D</u> efau	ort Settings It Preference:	9
			ОК	Cancel

Click the **OK** button to close the Modem properties dialog box and then click **OK** to close the EU3 properties dialog box.



15. From the Control Panel, click Network and Internet

Click Network and Sharing Centre.



16. Click Set up a connection or network:





17. Select "Connect to the Internet" and click Next:

LNOO	se a connection option	
-0	Connect to the Internet	 -
-	Set up a wireless, broadband, or dial-up connection to the Internet.	
0	Set up a new network	
-	Configure a new router or access point.	
-		F
	Manually connect to a wireless network	
	connect to a mader network of create a new wretess prome.	
IL.	Connect to a workplace	
	Set up a dial-up or VPN connection to your workplace.	
a	Set up a dial-up connection	1
1	Connect to the Internet using a dial-up connection.	

18. Click **Dial-up**:

ow do	o you want to connect?
1000	Wireless Connect using a wireless router or a wireless network.
	Broadband (PPPoE) Connect using DSL or cable that requires a user name and password.
()	Dial-up Connect using a dial-up modem or ISDN.
Help	me choose



19. Click Cinterion EU3 Modem:



20. In the phone number box enter the following:

*99***1#

If your network provider requires a username and password enter them. Enter a "connection name" of "CellRoute" to identify the connection:

rype the mornadorn	ion your internet service provide	
Dial-up phone number:	*99***1#	Dialing Rules
<u>U</u> ser name:	internet	
Password:	•••••	
	Show characters	
	Remember this password	
Connection <u>n</u> ame:	CellRoute	
Illow other people to	use this connection	
This option allows any	yone with access to this computer to use th	is connection.



21. Click **Connect** – you should then see the connection dialling, your computer being registered, the internet connection testing and finally the Connected dialog:

Connect to the Internet	Connect to the Internet		
Connecting to CellRoute	Connecting to CellRoute		
🔍 ——— 🎱	· · · · · · · · · · · · · · · · · · ·		
Dialing *99***1≠	Registering your computer on the network		
Skip Cancel	Skip Cancel		
Or Section Connect to the Internet	C 40 Connect to the Internet		
See Second to the Internet	You are connected to the Internet		
Connect to the Internet Testing your Internet connection	You are connected to the Internet Image: Connect to the Internet		
Connect to the Internet Testing your Internet connection	Connect to the Internet You are connected to the Internet		
Connect to the Internet Testing your Internet connection	 ♦ Connect to the Internet You are connected to the Internet Image: Image: Image:		

22. Click **Close**. Installation is now complete.

CellRoute 3G Data Connectivity Windows 7 - Connecting



1. Click the Network icon in the taskbar to bring up the list of available network connections: $\$



2. Click on the CellRoute connection and click **Connect**:

Not connected
Connections are available
Dial-up and VPN
CellRoute 🥥
Connect
Open Network and Sharing Center

CellRoute 3G Data Connectivity Windows 7 - Disconnecting



1. Click the Network icon in the taskbar to bring up the list of available network connections: $\$



2. Click on the CellRoute connection and click **Disconnect**:

