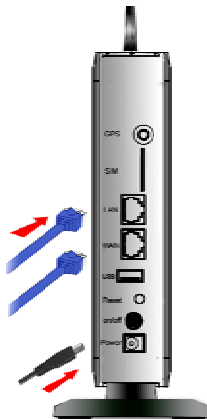# UMTS Femtocell Router

Quick Install Guide

Requirements

- For Internet Access, an Internet Access account with an ISP, and a DSL connection.

- Standard Network cables.

- A compatible SIM card with service.

- TCP/IP network protocol installed on each PC.

Setup

❶ Physical Installation

- *Setup for Your Broadband Modem*

1. Ensure the Femtocell Router is powered OFF. Select a suitable place for the Femtocell Router.
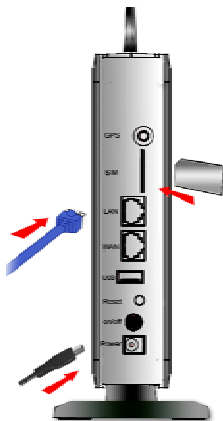

2. Attach the supplied antennae.

3. Use a standard LAN cable to connect the PC to the LAN port on the rear of the Femtocell Router.

4. Connect the DSL or Cable modem to the WAN port of the Femtocell Router. Use the cable supplied with your DSL/Cable modem. If no cable was supplied, use a standard cable.

5. Connect the supplied power adapter to the Femtocell Router. Use only the power adapter provided. Using a different one may cause hardware damage.

6. Check the LEDs

- The *Power* LED should be ON.

- The *LAN* LED should be ON (provided the PC is also ON.)

- The *WAN* LED should be ON if ADSL line is connected.
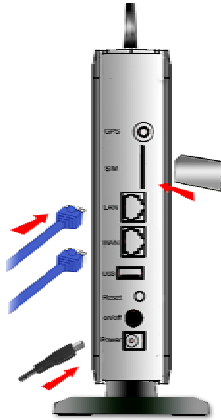
- *Setup for 3G/UMTS*

1. Ensure the Femtocell Router is powered OFF. Select a suitable place for the Femtocell Router.

2. Attach the supplied antennae.

3. Insert the SIM card into the slot on the back of the device.

4. Use a standard LAN cable to connect the PC to the LAN port on the rear of the Femtocell Router.

5. Connect the supplied power adapter to the Femtocell Router. Use only the power adapter provided. Using a different one may cause hardware damage.

6. Check the LEDs

- The *Power* LED should be ON.

- The *LAN* LED should be ON (provided the PC is also ON.)

- The *WLAN* LED should be ON.

- The *Femto* LED should be ON.

- *Setup for Broadband Modem and 3G/UMTS*

1. Ensure the Femtocell Router is powered OFF. Select a suitable place for the Femtocell Router.

2. Attach the supplied antennae.
3. Insert the SIM card into the slot on the back of the device.
4. Use a standard LAN cable to connect the PC to the LAN port on the rear of the Femtocell Router.
5. Connect the DSL or Cable modem to the WAN port of the Femtocell Router. Use the cable supplied with your DSL/Cable modem. If no cable was supplied, use a standard cable.
6. Connect the supplied power adapter to the Femtocell Router. Use only the power adapter provided. Using a different one may cause hardware damage.
7. Check the LEDs
- The *Power* LED should be ON.
- The *LAN* LED should be ON (provided the PC is also ON.)
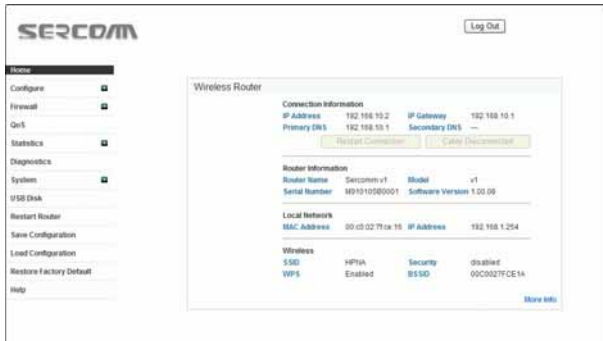- The *WAN* LED should be ON if ADSL line is connected.

- The *WLAN* LED should be ON.

- The *Femto* LED should be ON.

❷ Configuration

1. Start your PC.

2. Start your WEB browser. In the *Address* box, enter the following:

        HTTP://192.168.1.254

3. When prompted, use the following username and password.
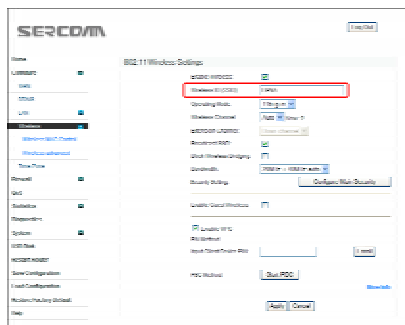
    - User name: admin

    - Password:

4. The following main screen will be displayed.

5. Configure the settings if required. Please refer to the data from your ISP, to ensure your choices are correct.

Wireless Setup

In order to use the Access Point in the Femtocell Router, other Wireless devices must use **the same SSID and Wireless Security** settings as the Femtocell Router.

The Femtocell Router's default settings are as follows.

Setting	Femtocell Router
SSID	Default value: *UMTS Router* This may be changed on the *Wireless* screen, on the Femtocell Router's main menu.
Wireless Security	Default value: Disabled Use the *Wireless* screen on the main menu to change this as required.

Ensure the Femtocell Router and the other Wireless Stations are using the same settings.

- Use the *Wireless* screen to configure the Wireless Access Point in the Femtocell Router.
- Configure the Wireless stations (PCs) using your normal method for configuring the Wireless interface.

LED Indication

LED panel

Power

Status

WAN

LAN

Femto

USB

WLAN

WPS

LED behavior

LED	Color	Behavior	Definition
Power	Green	OFF	Device power off
		ON	Device power on
		Blinking	Is executing Firmware upgrade
Status	Green	OFF	No Internet connectivity
		ON	Internet is available
		Blinking	Is connecting to Internet
WAN	Green	OFF	Not connected
		ON	Link
		Blinking	Data Transmission
LAN	Green	OFF	Not connected
		ON	Link
		Blinking	Data Transmission
Femto	Red	ON	3G functionality failure
	Green	ON	In service
USB	Green	OFF	No USB connectivity
		ON	There is USB connectivity
		Blinking	Data Transmission
WLAN	Green	OFF	No WLAN functionality
		ON	WLAN is available
		Blinking	Data Transmission
WPS	Green	OFF	No WPS working
		Blinking	WPS is configuring

FCC Regulations:

●This device complies with part 15 of the FCC 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 device 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 radiated 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

●The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

▶ **RF Exposure Information**

This device meets the government's requirements for exposure to radio waves.
This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

●This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.