SAGEM F@st™ 2604/2644

Quick Installation Guide

Contents

Sagem Communications thanks you for choosing from the SAGEM F@st™ 2604/2644 Routers' range and hopes that it will provide you with full satisfaction.

SAGEM F@st^{TM} 2604 and SAGEM F@st^{TM} 2644 products adapt the ADSL function respectively on POTS (ITU G.992.1/3/5 - Appendix A) and on ISDN (ITU G.992.1/3/5 - Appendix B).

SAGEM F@st^{TM} 2604 and SAGEM F@st^{TM} 2644 equipment includes four Ethernet interfaces (ETH1 to ETH4).

In addition, this router allows access to all the services provided by your Internet Access Provider, as shown in the diagram below.

Broadband Internet Access

Television over IP

Phone over IP

Internet   Router

Broadband Internet Access
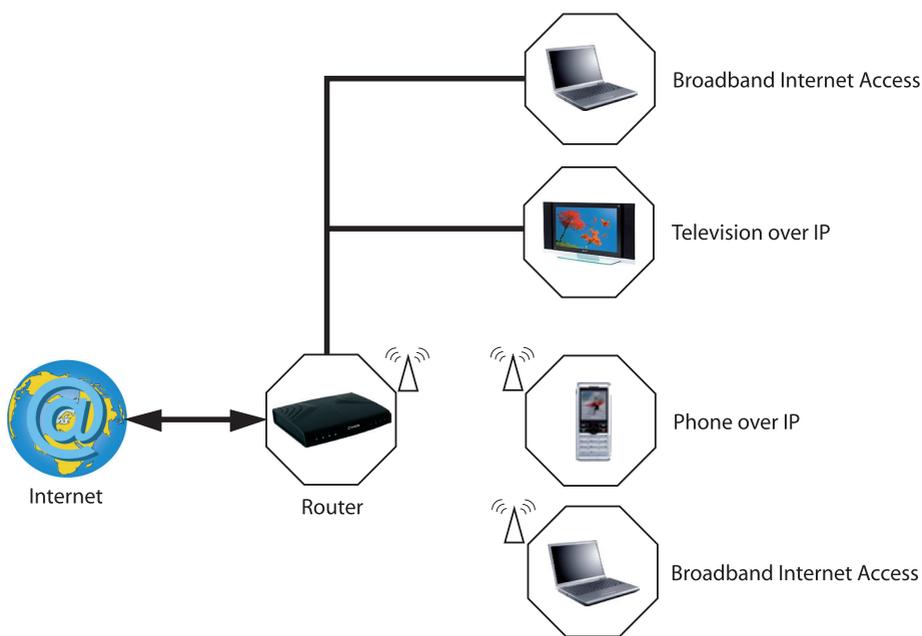
List of symbols used in this guide

Warns you about an action or a serious omission.

Provides you with important information you must take into account.

SAGEM F@st™ 2604/2644

1 CONTENTS OF THE PACK

Before you begin installation make sure that the pack contains the following elements:

Mains adapter

ADSL line cable
used to connect
your router to your
telephone line

ETH cable
used to connect
your router to the
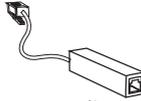ETH port of your
computer

CD-ROM

SAGEM F@st™ 2604/2644 router

Quick Installation Guide

Filter/Splitter
used to connect
one phone set and
your router to your
telephone line
(Option depending on
pack content requested)

Microfilter
used to connect
another phone set
to your telephone line
(Option depending on
pack content requested)

Male Type A USB/
Female Type A USB
USB cable
(Option depending on
pack content requested)

802.11g USB Wi-Fi key
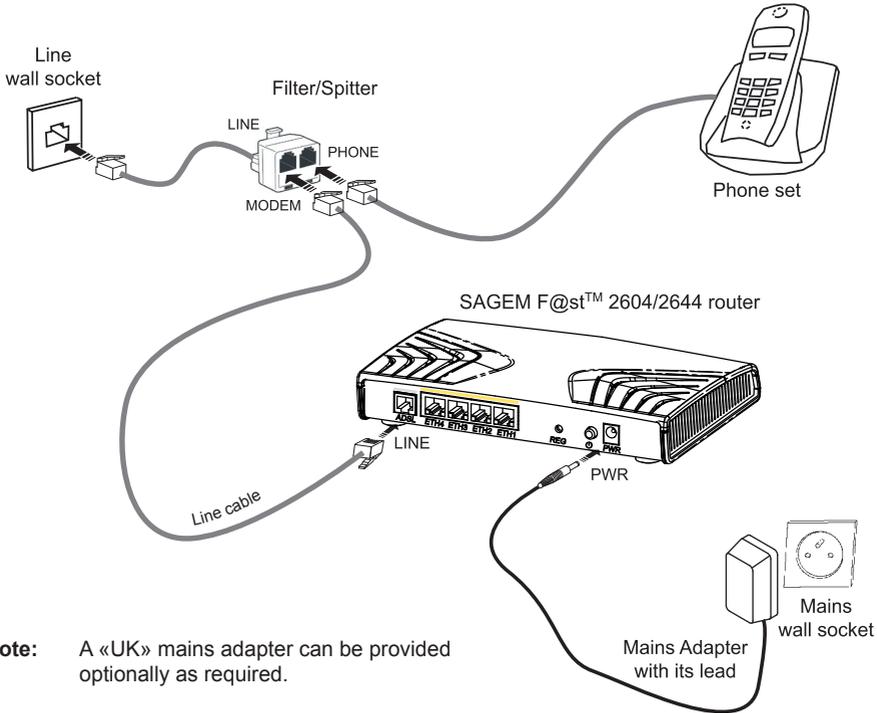(Option depending on
pack content requested)

2 CONNECTION

2.1   CONNECTING YOUR ROUTER

Make sure that the router is not connected to your computer before you start the installation from the CD-ROM.

Connect the router as shown in the diagram below.

Line
wall socket

Filter/Spitter

LINE

PHONE

MODEM

Phone set

SAGEM F@st^{TM} 2604/2644 router

LINE

Line cable

PWR

Mains
wall socket

Note: A «UK» mains adapter can be provided
optionally as required.

Mains Adapter
with its lead

2.2   CONNECTING ADDITIONAL TELEPHONES

Connect the elements as shown in the diagram below.

Line
wall socket

ADSL filter

Phone

3 INSTALLATION FROM THE CD-ROM

i Make sure that the router is not connected to your computer before you start the installation from the CD-ROM.

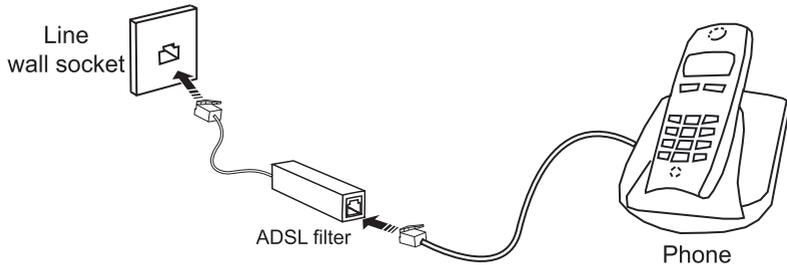*i* The installation procedure described below was undertaken in Windows Vista™. Installation in other Windows® (98, ME, 2000 and XP) can be slightly different.

- insert the CD-ROM into the relevant drive; the screen opposite will appear:
- click on **Next** to display the precautions to be taken during installation.

- click on **Next**; the screen opposite will appear allowing you to select the type of installation (first installation or installation of an additional computer).
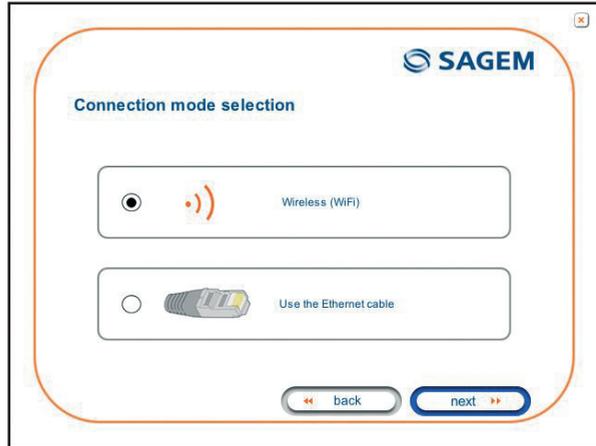
	For a first installation, we advise you to select «**You want to install your router modem for the first time**» then click on **Next** to continue the installation.

The screen opposite appears when you click on **Next**.

This screen allows you to select the interface (Wi-Fi or Ethernet) you want to use to connect your router to your computer.

How to install your router using different interfaces is detailed below in the order they appear in the previous screen (connection mode selection).

|	Whichever mode you select, you must plug in the router and connect it to the ADSL line.

3.1 INSTALLATION BY WI-FI INTERFACE

Selecting the Wireless interface causes the screen opposite to appear. This screen allows you to select the wireless connection mode. Two connection modes are suggested:

• install a Wi-Fi USB adapter (or key) on your computer,

• use your computer's built-in Wi-Fi.
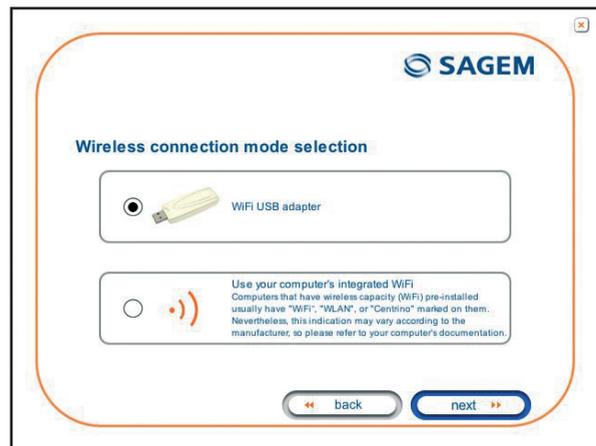
Follow the instructions provided by connecting the USB Wi-Fi adapter to your computer then configuring the Wi-Fi interface.

The following Wi-Fi parameters must be entered:
• SSID,
• Security key.

Note: The «WiFi security key» field only appears if WiFi security (WEP 128, WPA-PSK and WPA2-PSK) is assigned to your router. The length of this field depends on the selected WiFi security level.

This «Wi-Fi» information is marked on your router.

Once you have filled in the Wi-Fi parameters, click on **Next**.

An Internet connection screen will appear. You must enter your connection ID then your connection password.

This information is provided by your **I**nternet **S**ervice **P**rovider (ISP).

Once you have entered the configuration parameters, a window will appear showing the different stages of the installation.
Once installation is completed, an «end of the installation» window will appear telling you that your router has been correctly installed.

You may now access the Internet.

Wi-Fi interface integrated into your computer

Before you continue installing your router, you must first configure your computer's Wireless Manager.

Once you have configured your computer's Wireless Manager, an Internet Connection screen will appear. You must enter your connection ID then your connection password.
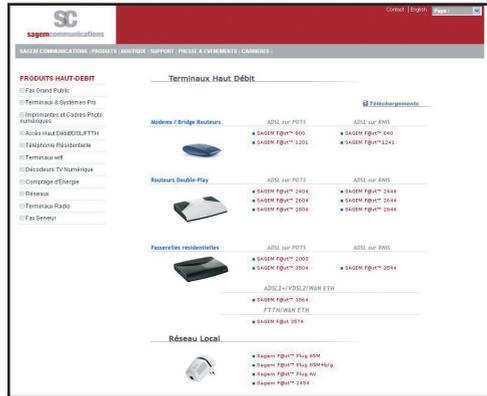

This information is provided by your **I**nternet **S**ervice **P**rovider (ISP).

Once you have entered the configuration parameters, a window will appear showing the different stages of the installation.
Once installation is completed, an «end of the installation» window will appear telling you that your router has been correctly installed.

You may now access the Internet.

3.2 INSTALLATION USING THE ETHERNET PORT

You selected «**Use the Ethernet cable**», click on **Next**.

Follow the instructions provided by plugging in the router supply, switching it on and connecting the ADSL line. Then connect your computer to one of the router's four Ethernet sockets (ETH1, ETH2, ETH3 or ETH4) using the Ethernet cable.

Once you have connected this equipment, an Internet connection screen appears. You must enter your connection ID then your connection password.
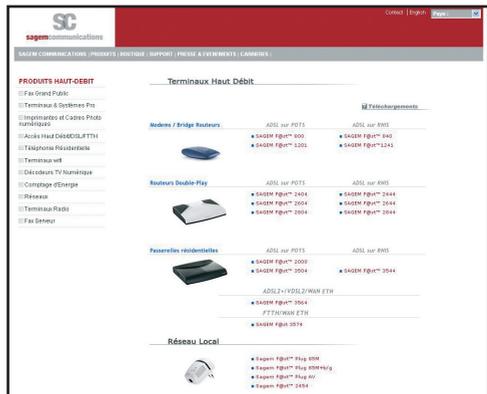
ℹ	This information is provided by your **I**nternet **S**ervice **P**rovider (ISP).

Once you have entered the configuration parameters, a window will appear showing the different stages of the installation.
Once installation is completed, an «end of the installation» window will appear telling you that your router has been correctly installed.

You may now access the Internet.
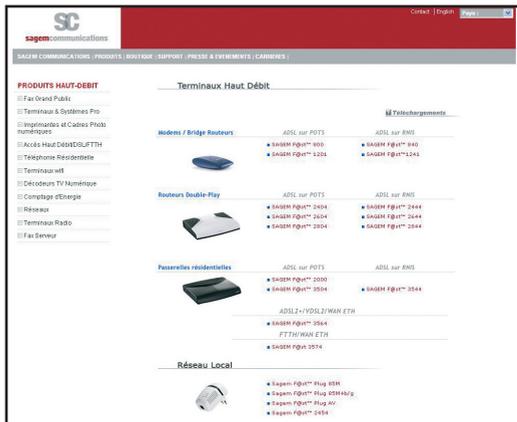
3.3   INSTALLATION OF AN ADDITIONAL COMPUTER

⚠	Your router is already connected

- insert the CD-ROM into the relevant drive. Follow the installation guide up to the «installation selection» window and select «**You want to install an additional computer**». Click on **Next** to continue the installation. The «interface selection» window which is identical to the first installation appears.

- select the interface you want to use to install an additional computer in the local network (LAN) then click on **Next** to continue the installation.

- continue the installation as previously described.

ⓘ	Given that the router has already been installed once you do not need to plug it in again or connect the ADSL line.

4 TROUBLESHOOTING

Users can locate the fault using the following sources:

- Status of the LEDs on the front,

- Information accessible by your router's built-in «DSL Router» HTTP controller,
  - Router supervision,
  - «Diagnostics» tools.

4.1 STATUS OF THE LEDS ON THE LEFT OF THE FRONT PANEL

Status	Colour	⏻	⊘	📶	@
Lit steady	Green	Power On	ADSL up	Wi-Fi activated	A PPP session has been created
	Amber	x	x	x	ADSL link is established
Flickering	Green	x	x	Wi-Fi Tx/Rx	Tx/Rx traffic
Blinking	Amber	x	x	x	ADSL is training
Slow Blinking	Green	x	Line not detected	Wi-Fi pairing	x
Fast Blinking	Green	x	ADSL synchronisation training	x	x
Off	Green	Power Off	x	Wi-Fi deactivated	Power Off or Bridge mode or ADSL down

4.2 STATUS OF THE LEDS ON THE RIGHT OF THE FRONT PANEL

Status	Colour	1	2	3	4
Lit on steady	Green	Ethernet port (ETH1, ETH2, ETH3 or ETH4) has detected a link with 100 Mbps device			
Flickering		Tx/Rx traffic at 100 Mbps			
Lit on steady	Amber	Ethernet port (ETH1, ETH2, ETH3 or ETH4) has detected a link with 10 Mbps device			
Flickering		Tx/Rx traffic at 10 Mbit/s			
Off	x	No link detected on the Ethernet port			

4.3   ROUTER SUPERVISION

This is displayed permanently in a box at the top right of each window in the HTTP configuration tool.
To access the configuration tool:

■ open your browser then enter the following in the address bar:
• the following URL   : http://myrouter,
• or the following address : http://192.168.1.1 (see note).

■ A "Login" window appears.
• enter **admin** in the «Username» field (see note).
• enter **admin** in the «Password» field (see note).
Note: This value is specific to the ISP.

You may now access your router's HTTP configuration tool.

LEDs

	Green	ADSL line synchronised	
ADSL	Yellow	ADSL line synchronising	
	Red	ADSL line not connected	
Internet	Green	**Connected**	Public address (WAN) distributed to the router
	Yellow	**Waiting for ISP**	ADSL line synchronising
	Off	**Adsl Down**	Public address (WAN) not distributed to the router or ADSL line not connected
		Not configured	No VC (Virtual Channel)
		Router rebooting	Router is rebooting
	Red	**Access denied**	Incorrect Login and/or password

Bit rate

Down	Displays the nominal downlink bit rate
Up	Displays the nominal uplink bit rate

Buttons

refresh	Update the data displayed on the screen
reboot	Reboot your router

4.4 «DIAGNOSTICS» TOOL

To access this tool:

■ open the configuration tool (see the router supervision section).

■ select the "**Status**" heading then the "**Diagnostics**" menu in the relevant list located in the left of each window. The following screen will appear:

The result of the tests carried out by your router's «DSL router» configuration tool is displayed in the «Diagnostics» window. These tests relate to the connections to the LAN, your DSL Service Provider and your **I**nternet **S**ervice **P**rovider (ISP).

A hypertext link (help) enables the user to access contextual help. This help provides explanations about the status of the connection (**PASS** green, **DOWN** orange and **FAIL** red) and provides the appropriate repair procedures.

Connection status

Status	Colour	Meaning
PASS	**Green**	indicates that the test was carried out correctly
DOWN	**Orange**	indicates that an interface (ETH or Wi-Fi) was not detected
FAIL	**Red**	indicates that a test failed or that a command could not be launched.

If a test displays a «FAIL» status, click on «Help» then the «Rerun Diagnostic Tests» button at the bottom of the «Help» page to make sure that the test was suitable. If the test still displays «FAIL», you must follow the repair procedure displayed on this page.

IMPORTANT

If you are having trouble connecting to the Internet we recommend that you restart your router or possibly return to the factory configuration using the procedures described below.

Restarting your router

To restart your router, click on the «**Reboot**» button in the top right of your HTTP configuration tool's welcome page.

Returning to the factory configuration

To return to the factory configuration:

- in the top left of your HTTP configuration tool's welcome page select the **Management** heading then the **Restore default** sub-menu in the **Settings** menu.

- or press and hold for about 10 seconds on the button marked «**REG**» on the back of your router.

5 SAFETY INSTRUCTIONS

Environment

• The router should be installed and used inside a building.

• The room temperature should not exceed 45ºC.

• The router can be placed on a desktop or fixed vertically in its wall mounting.

• The router should not be exposed to strong sunlight or placed near a substantial source of heat.

• The router should not be placed in an environment where it would be subjected to considerable steam condensation.

• The router should not be exposed to splashes of water.

• The router's casing should not be covered.

• The router and its peripherals should not be used for outdoor transmissions.

Power supply source

• The router's mains adapter should not be covered.

• The router comes with its own mains adapter. It should not be used with another adapter.

• This class II adapter does not need to be grounded (earthed). The connection to the electrical network should comply with the indications given on the label.

• Use a readily accessible mains outlet located near the router. The power supply cord is 2 m long.

• Arrange the power supply cord in such a way as to avoid any accidental power cut to the router.

• The router is designed to be connected to a GG- (ground-to-ground) or GN- (ground-to-neutral) type power supply network.

• The router is not designed to be connected to an electrical installation with IT type diagram (neutral connected to earth through an impedance).

• Protection against short-circuits and leaks between phase, neutral and earth should be provided by the building's electrical installation. The power supply circuit for this equipment should be fitted with 16 A overcurrent protection and differential protection.

• The router should be connected to the mains via a wall socket, ensuring the electric cutting is readily accessible.

Maintenance

• It is prohibited to open the casing. This must be done only by qualified personnel approved by your supplier.

• Do not use liquid or aerosol cleaning agents.

5 SAFETY INSTRUCTIONS (CONTD.)

Safety level

Primary power source access	HPV (**H**azardous **P**rimary **V**oltage circuit)
Bipolar AC mains socket	
DC power supply access	SELV (**S**afety **E**xtra **L**ow **V**oltage)
Miniature fixed connector (PWR)	
RJ45 Ethernet access	SELV
(ETH1 to ETH4)	
RJ11 line access (LINE)	TNV3 (**T**elecommunication **N**etwork **V**oltage level **3** circuit)

The product named SAGEM F@st™ 2604 or SAGEM F@st™ 2644 can be operated indoors in the European Union without restrictions.

EC Declaration
EC compliance declaration

Sagem Communications declares that the product named SAGEM F@st™ 2604 or SAGEM F@st™ 2644 complies with the demands of the European Community directives 1999/5/EC as well as with the essential demands of the directives 2004/108/EEC and 2006/95/EEC. The EC compliance declaration for the SAGEM F@st™ 2604 and SAGEM F@st™ 2644 is implemented within the framework of the R&TTE directive.

SAGEM F@st™ 2604/2644

Notes:_____

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