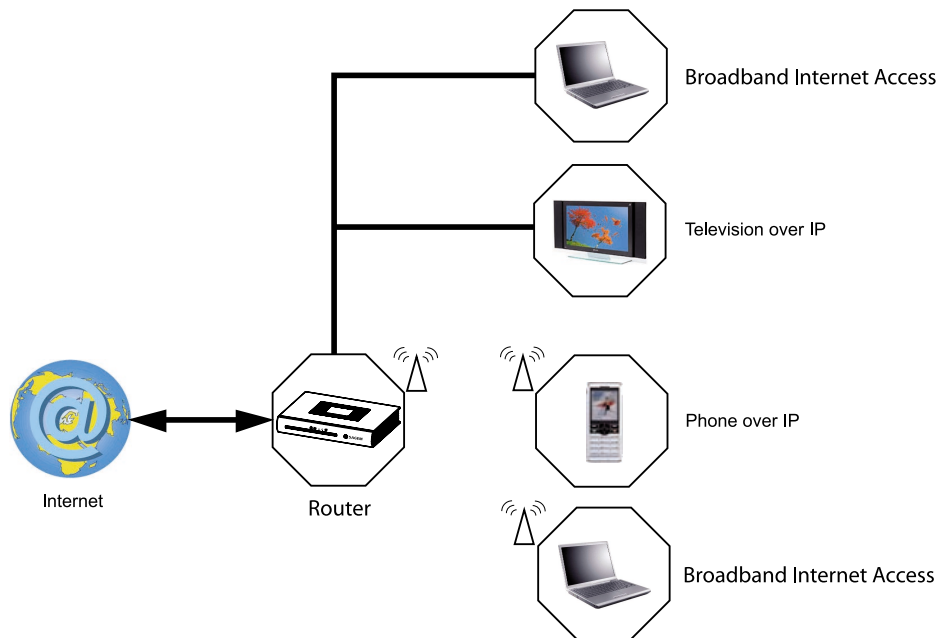


Sagem Communication thanks you for choosing the range of SAGEM F@st™ 2404/2444 Routers. We hope it will provide you with full satisfaction.

SAGEM F@st™ 2404 and SAGEM F@st™ 2444 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™ 2404 and SAGEM F@st™ 2444 equipment include four Ethernet interfaces (ETH1 to ETH4).

In addition, it will provide you with access to all the services provided by your Internet Access Provider, as shown in the diagram below.



**List of symbols used in this guide**



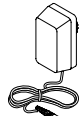
Warns you about an action or a serious omission.



Provides you with important information you must take into account.

## CONTENTS OF THE PACK

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



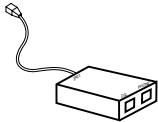
Mains adapter



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



Filter/Splitter  
used to connect  
one phone set and  
your router to your  
telephone line



SAGEM F@st™ 2404/2444 router



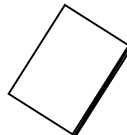
802.11g USB Wi-Fi key



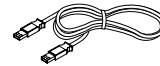
Microfilter  
used to connect  
another phone set  
to your telephone line



CD-ROM



Quick Installation Guide



USB cable  
used to connect  
your Wi-Fi key  
to one USB port  
of your computer

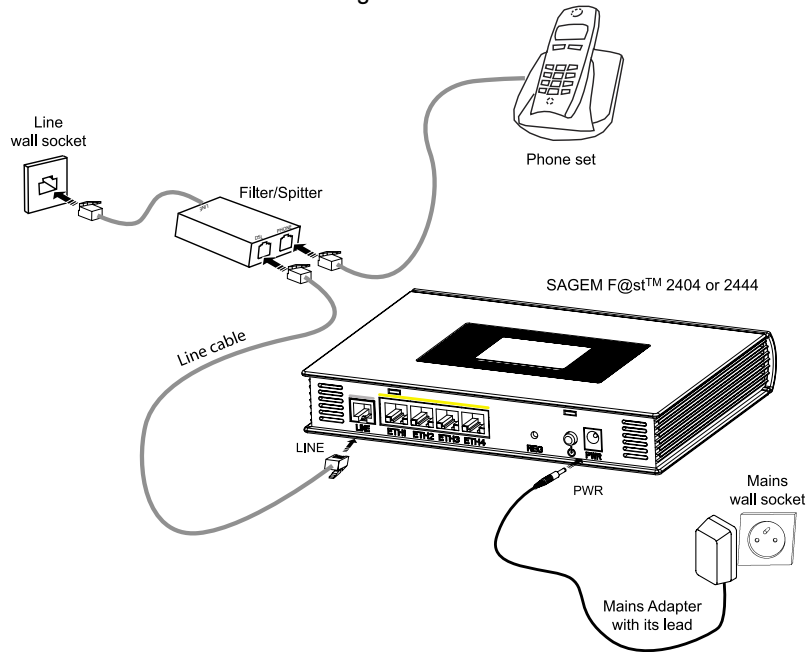
## CONNECTIONS

### Connecting your router



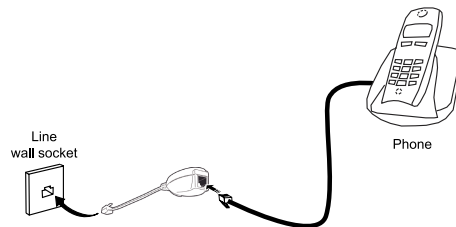
Make sure that the router is not connected to your computer before you start the installation from the CD-ROM.

Make the connection as shown in the diagram below.



### Connecting additional telephones

Make the connections according to the diagram opposite.

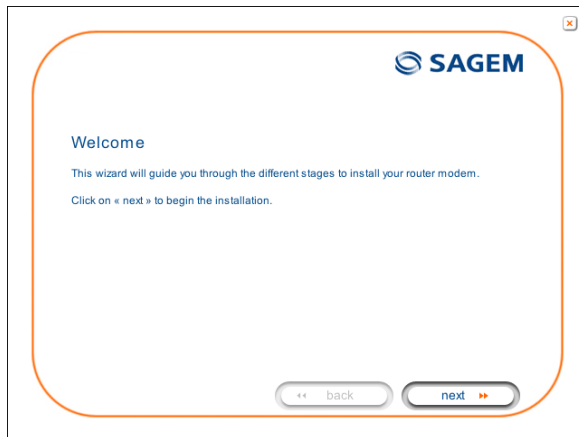


## INSTALLATION FROM THE CD-ROM

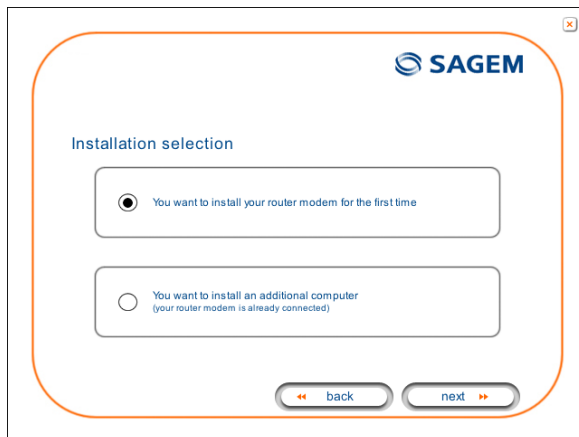


Make sure that the router is not connected to your computer before you start the installation from the CD-ROM.

- insert the CD-ROM into the relevant drive; the opposite screen appears:



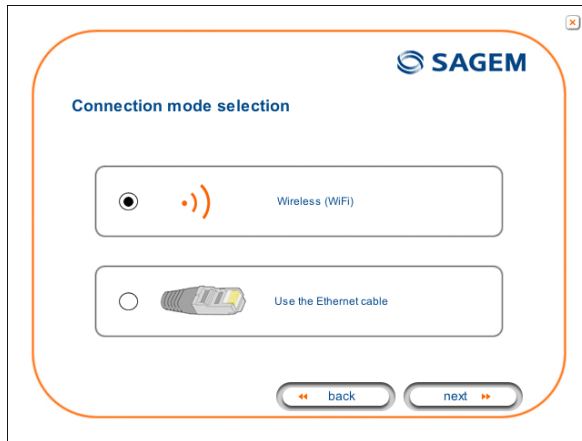
- click on **Next** to display a screen describing the precautions to be taken during the installation.
- click on **Next**; the opposite screen appears to let you select the type of installation (first installation or installation of an additional computer).



For a first installation, we advise you to check «**You want to install your router for the first time**» then click on **Next** to continue the installation.

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

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



The router only connects to one type of interface.

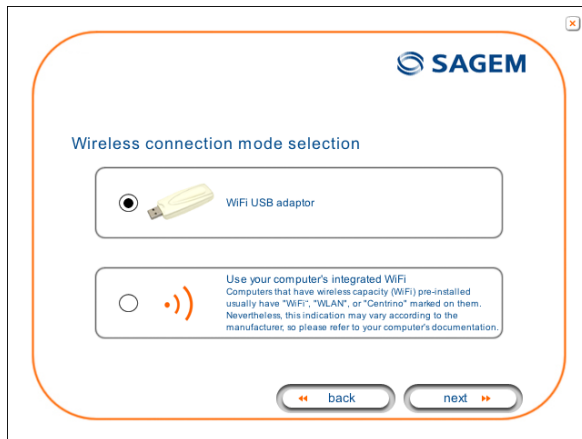
Installing your router using different interfaces is detailed below in the order they appear in the previous screen (connection mode selection).

## Installation by Wi-Fi interface

You selected the **Wireless** interface (Wi-Fi); the opposite screen appears.

This screen lets you select the wireless connection mode (Wi-Fi). Two connection modes are suggested to you:

- either by installing a Wi-Fi USB adaptor (or key) on your computer,
- or by using your computer's built-in Wi-Fi.



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

## USB Wi-Fi Adaptor

You selected «Wi-Fi USB adaptor», click on **Next**.

Follow the instructions provided by the installer screens by connecting the USB Wi-Fi adaptor to your computer then configure the Wi-Fi interface.

The following Wi-Fi parameters must be entered:

- SSID,
- WEP security key (26 alphanumeric characters).

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### WiFi configuration

Select the name of your router modem from the list then indicate its WiFi security key (if necessary).

This information is available under your router modem.

SSID:

WiFi security key:



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

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

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

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### Configuring the Internet connection

Please enter your connection ID and your password; these are case-sensitive (for example, "PAUL" is different from "paul").

This information is available on your subscription letter.

Login:

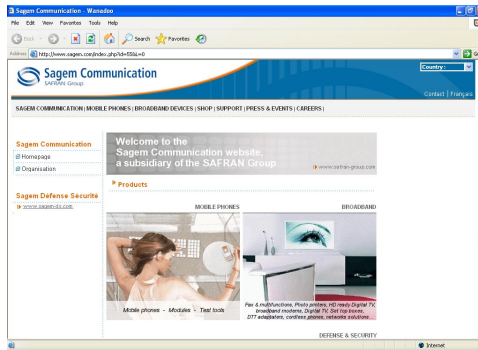
Password:



This information is provided by your Internet Service Provider (ISP).

Once you have entered the configuration parameters, a window appears listing the different steps in the installation. Once all these steps are complete, an end of the installation window appears telling you that your router has been correctly installed.

You may now use your Internet access.



## Wi-Fi interface integrated into your computer



Before you continue installing your router, you must first configure your computer's wireless manager.

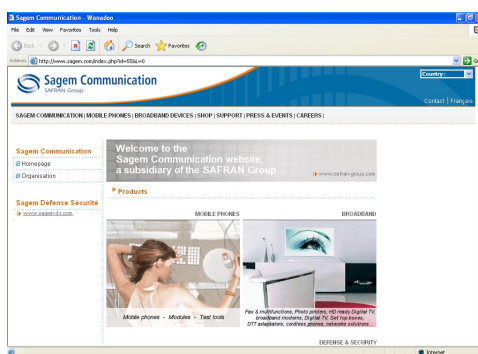
Once you have configured your computer's wireless manager, an Internet connection screen will appear. You must enter your connection ID then your connection password.



This information is provided by your Internet Service Provider (ISP).

Once you have entered the configuration parameters, a window appears listing the different steps in the installation. Once all these steps are complete, an end of the installation window appears telling you that your router has been correctly installed.

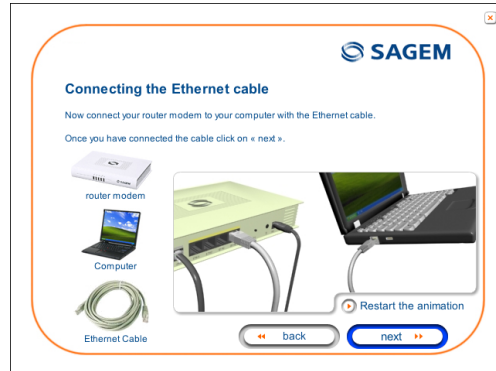
You may now use your Internet access.



## Installation on the Ethernet port

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

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



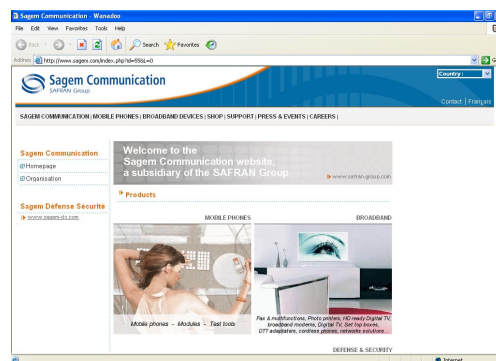
Once you have made these connections, an Internet connection screen appears. You must enter your connection ID then your connection password.



This information is provided by your Internet Service Provider (ISP).

Once you have entered the configuration parameters, a window appears listing the different steps in the installation. Once all these steps are complete, an end of the installation window appears telling you that your router has been correctly installed.

You may now use your Internet access.





## Installation of an additional computer



Your router is already connected.

- insert the CD-ROM into the relevant drive. Continue the installation 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 opens.
- 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. An interface selection window which is identical to the previous installations appears.
- select your choice of interface then continue the installation as described earlier.







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

## 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» tool.

### Status of the LEDs on the front

Status	Colour			@		
Lit steady	Green	Power on	ADSL up	Public address available	Wi-Fi activated	At least active ETH link (ETH1, ETH2, ETH3 or ETH4)
	Red	Power Failure	X	Public address not available or ADSL line not connected	X	X
Blinking	–	–	ADSL training	At WAN traffic rate	At Wi-Fi traffic rate	At LAN traffic rate
Off	Power off	–	No ADSL detected	Power off or Bridge mode	Wi-Fi not activated	No active ETH link (ETH1, ETH2, ETH3 or ETH4)

## 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.



A «Login» window opens.

- enter **admin** in the «Username» field,
- enter **admin** in the «Password» field,

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



### LEDs

ADSL 	Green	ADSL Line synchronized		
	Yellow	ADSL Line synchronizing		
	Red	ADSL Line not connected		
Internet 	Green	Connected	Public address (WAN) distributed to the modem/router	
	Yellow	Waiting for ISP	ADSL Line synchronizing	
	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	Erroneous Login and/or password	

### Bit rate

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

## Buttons

<b>refresh</b>	Update the data displayed on the screen
<b>reboot</b>	Reboot your router

## «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 appears:

The screenshot shows the SAGEM router's web interface. At the top right, there are status indicators: ADSL (green light), Internet (green light), and Connected. Below these are speed indicators: Down 19996 kbps, Up 1056 kbps. There are also 'refresh' and 'reboot' buttons. The main content area is titled 'pppoe\_8\_35\_1 Diagnostics'. It contains a paragraph explaining the modem's testing capabilities. Below this are three sections of tests:

- Test the connection to your local network:**
  - Test your Ethernet Connection: **PASS** [Help](#)
  - Test your USB Connection: **DOWN** [Help](#)
  - Test your Wireless Connection: **PASS** [Help](#)
- Test the connection to your DSL service provider:**
  - Test ADSL Synchronization: **PASS** [Help](#)
  - Test ATM OAM F5 segment ping: **FAIL** [Help](#)
  - Test ATM OAM F5 end-to-end ping: **PASS** [Help](#)
- Test the connection to your Internet service provider:**
  - Test PPP server connection: **PASS** [Help](#)
  - Test authentication with ISP: **PASS** [Help](#)
  - Test the assigned IP address: **PASS** [Help](#)
  - Ping default gateway: **PASS** [Help](#)
  - Ping primary Domain Name Server: **PASS** [Help](#)

At the bottom of the page, there are two buttons: 'Rerun Diagnostic Tests' and 'Test With OAM F4'. The SAGEM logo is visible in the bottom left corner, and a small image of the router is in the bottom right corner. The footer contains the copyright notice: © 2005 SAGEM Corporation. All rights reserved.

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 Internet Service Provider (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, USB or Wi-Fi) was not detected.
FAIL	Red	Indicates that a test failed or that a command cannot 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 modem/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.

## SAFETY INSTRUCTIONS

### Environment

- The router should be installed and used inside a building.
- The room temperature should not exceed 45°C.
- 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 adaptor should not be covered.
- The router comes with its own mains adaptor. It should not be used with another adaptor.
- This Class II adaptor does not 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 readily accessible wall socket with a cutout device.

### 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.

## SAFETY INSTRUCTIONS (Contd.)

### Safety levels

Primary power source access Bipolar AC mains socket	HPV (Hazardous Primary Voltage circuit)
DC power supply access Miniature fixed connector (Power)	SELV (Safety Extra Low Voltage circuit)
RJ45 Ethernet access (ETHERNET)	SELV
RJ11 line access (ADSL)	TNV-3 (Telecommunication Network Voltage level 3 circuit)



Products bearing this symbol comply with EMC regulations as well as the Low Voltage Directive published by the Commission of the European Community (CEC)

### EC declaration

#### EC compliance declaration

**Sagem Communication** declares that the product named SAGEM F@st™ 2404 or SAGEM F@st™ 2444 complies with the demands of the European Community directives 1995/5/CE as well as with the essential demands of the directives 89/336/CEE dated 03/05/1989 and 73/23/CEE dated 19/02/1973.

The CE compliance declaration for the SAGEM F@st™ 2404 and SAGEM F@st™ 2444 is implemented within the framework of the R&TTE directive.

