

SAGEM F@st™ 1704

Quick Installation Guide





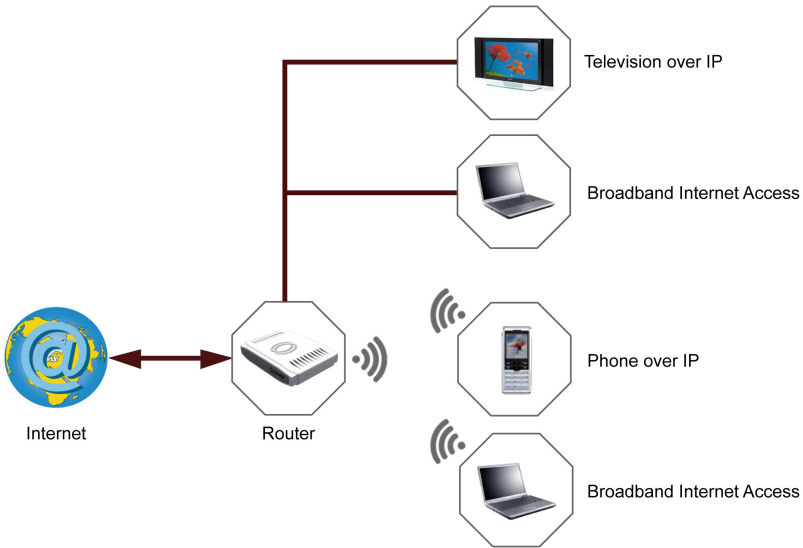
SAGEM F@st™ 1704

Sagem Communications SAS (hereafter referred to as Sagem Communications) thanks you for choosing the range of SAGEM F@st™ 1704 routers while hoping that it will provide you with full satisfaction.

SAGEM F@st™ 1704 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™ 1704 equipment include four ethernet interfaces (LAN1 to LAN4).

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



CE marking:

The CE marking certifies that the product complies with the essential requirements of the Directive 1999/5/EC concerning radio equipment and telecommunication equipment, and of Directives 2006/95/EC concerning safety and 2004/108/EC concerning electromagnetic compatibility, defined by the European Parliament and Council to reduce electromagnetic interferences and protect the health and safety of users.

The product named SAGEM F@st™ 1704 can be operated in the European Union without restrictions indoor but cannot be operated in France in the whole of the band until further notice.

The CE declaration of conformity can be viewed in the support section of the Sagem Communications site www.sagem-communications.com, or it can be obtained from the following address:

Sagem Communications SAS - Customer relations department
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92500 RUEIL MALMAISON - FRANCE

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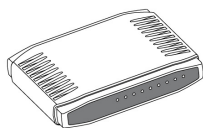
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1. Contents of the pack

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



1



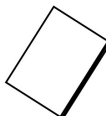
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3



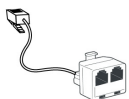
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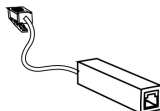
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6



7



8



9

Item	Description
1	SAGEM F@st™ 1704 router
2	Mains adapter
3	ADSL line cable used to connect your router to your telephone line
4	Ethernet cable used to connect your router to the Ethernet port of your computer
5	Quick Installation Guide
6	CD-ROM
7	Filter/Splitter used to connect one phone set and your router to your telephone line*
8	Microfilter used to connect another phone set to your telephone line*
9	802.11g USB Wi-Fi key*

* Option depending on pack content requested



2. Safety instructions

Power supply source

- Do not cover the router's mains adapter.
- The router comes with its own mains adapter. Do not use 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 the 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.
- Connect the router to the mains via a readily accessible wall socket ensuring the electric cutting.

Location conditions

By choosing an appropriate location, you will preserve the longevity of the device. Ensure that the selected location has the following characteristics:

- Install and use the router inside a building.
- The room temperature must not exceed 45°C.
- The router can be placed on a desktop or fixed vertically in its wall mounting.
- Do not expose the router to strong sunlight or place it near a substantial source of heat.
- Do not place the router in an environment where it could be subjected to considerable steam condensation.
- Do not expose the router to splashes of water.
- Do not cover the router's casing.
- Do not use the router or its peripherals for outdoor transmissions.

Maintenance

- Never open the casing. This must be done only by qualified personnel approved by your supplier.
- Do not use liquid or aerosol cleaning agents.

Safety level

Primary power source access Bipolar AC mains socket	HPV (H azardous P rimary V oltage circuit)
DC power supply access Miniature fixed connector (PWR)	SELV (S afety E xtra L ow V oltage)
RJ45 Ethernet access (LAN1 to LAN4)	SELV
RJ11 line access (LINE)	TNV3 (T elecommunication N etwork V oltage level 3 circuit)



3. Connection

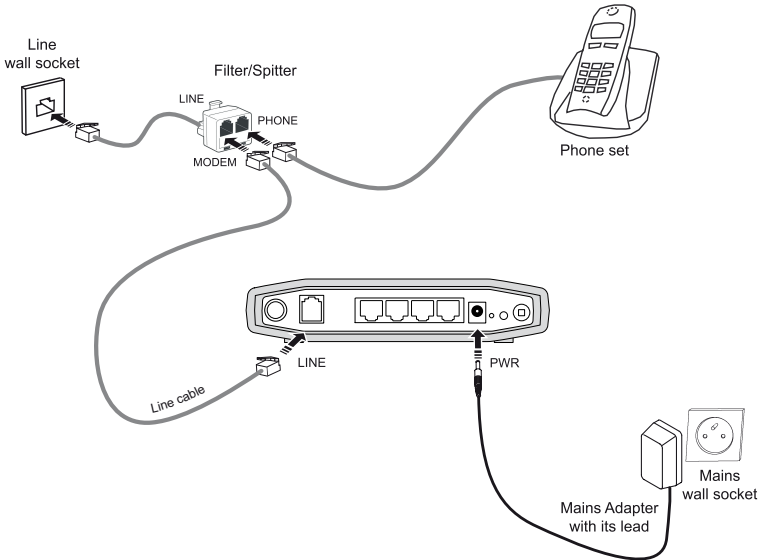
Connecting your router

Important



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

Make the connections as shown in the diagram below.



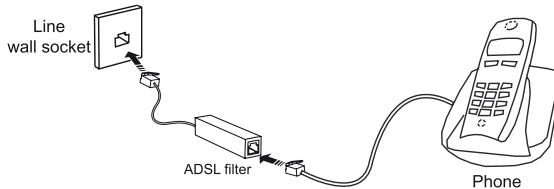
Note



A "UK" mains adapter can be provided in option according to the customer.

Connecting additional telephones

Make the connections as shown in the diagram below.





4. Installation from the CD-ROM

Important



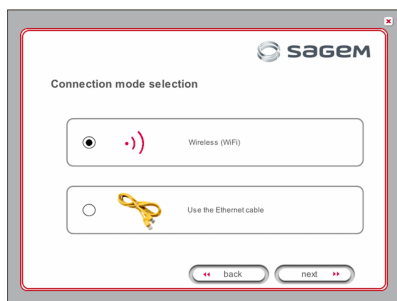
Make sure that the router is not connected to your computer before you start the installation from the CD-ROM.

Note



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

1. Insert the CD-ROM into the relevant drive of your computer.
2. The welcome screen appears. Click on **Next**.
3. Read carefully the precautions to be taken during the installation then click on **Next**.
4. Select the type of installation you want to perform then click on **Next**. For a first-time installation, select **"You want to install your router modem for the first time"**.
5. Select the interface you want to use to connect your router to your computer: Wi-Fi or Ethernet.



Depending on the interface you select, refer to the relevant section to proceed with the installation:

- **Installation by Wi-Fi interface**, page 6
- **Installation of the Ethernet port**, page 8

Important



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

Installation by Wi-Fi interface

1. You selected the **Wireless** interface (Wi-Fi), click on **Next**.
2. Select the wireless connection mode (Wi-Fi).



The following connection modes are available:

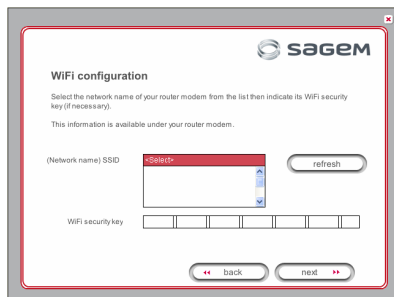
- by installing a Wi-Fi USB adapter (or key) on your computer,
- or by using your computer's built-in Wi-Fi.

USB Wi-Fi adapter

1. You selected **Wi-Fi USB adapter**, click on **Next**.
2. Follow the instructions displayed onscreen by connecting the USB Wi-Fi adapter to your computer, then configure the Wi-Fi interface.

The following Wi-Fi parameters must be entered:

- SSID,
- Security key.





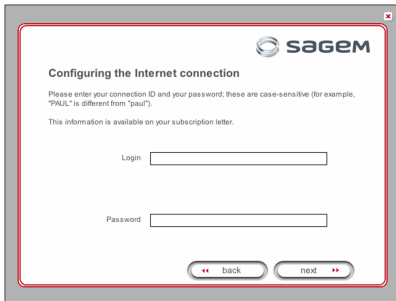
Note



The Wi-Fi security key field only appears if a Wi-Fi security (WEP 128, WPA-PSK and WPA2-PSK) is assigned to your router. The length of this field depends on the selected security.

The Wi-Fi information is marked on your router.

- Once you have filled in the Wi-Fi parameters, click on **Next**.
- The Internet connection screen appears. Enter your connection ID and password, then click on **Next**.



Note



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

- A summary of the completed installation steps appear. Click on **Finish** to end the installation.

You may now use your Internet access.

Wi-Fi interface integrated into your computer

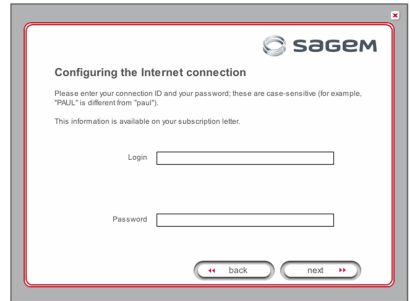
Important



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

- Once you have configured your computer's wireless manager, click on **Next**.

- The Internet connection screen appears. Enter your connection ID and password, then click on **Next**.



Note



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

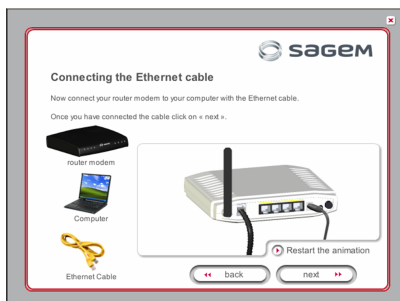
- A summary of the completed installation steps appear. Click on **Finish** to end the installation.

You may now use your Internet access.



Installation of the Ethernet port

1. You selected the **Use the Ethernet cable**, click on **Next**.
2. Follow the instructions displayed on screen by plugging in the router supply, switching it on and connecting the ADSL line, then connect your computer to one of the four Ethernet sockets (LAN1 to LAN4) of the router by using the Ethernet cable.



Once you have made the connections, click on **Next**.

3. The Internet connection screen appears. Enter your connection ID and password, then click on **Next**.



Note



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

4. A summary of the completed installation steps appear. Click on **Finish** to end the installation.

You may now use your Internet access.

Installation of an additional computer

Important



Your router is already connected.

1. Insert the CD-ROM into the relevant drive of your computer.
2. The welcome screen appears. Click on **Next**.
3. When asked for the installation type, select "**You want to install an additional computer**" then click on **Next**.
4. The interface selection screen appears. Select the interface you want to use to install an additional computer in the local network (LAN) then click on **Next**.
5. Continue the installation as described in the case of a first-time installation.

Note



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







5. Router supervision

You can monitor the router's activity and status using the following sources:

- status of the LEDs on the front panel of the router
- using the router's built-in «DSL Router» HTTP controller, available in the HTTP configuration tool

Status of the LEDs on the front panel

LED	Status	Meaning
 Power	Off	Power Off
	Green	Power On
	Red	Router in rescue mode
 ADSL	Off	ADSL Down
	Green steady	ADSL Up
	Green blinking	ADSL Synchronisation in progress
 Internet	Off	<ul style="list-style-type: none">• Power Off or <ul style="list-style-type: none">• The Internet account must be configured
	Green steady	<ul style="list-style-type: none">• The Internet account is configured or <ul style="list-style-type: none">• Bridge mode
	Green blinking	Tx/Rx traffic
	Red	Invalid or unauthorised Internet account
LAN x (1 to 4)	Off	No link detected on the Ethernet port
	Green steady	Ethernet port has detected a link with 100 Mbps device
	Green blinking	Tx/Rx traffic at 100 Mbps
 WLAN	Off	Wi-Fi deactivated
	Green steady	Wi-Fi activated
	Green blinking	Wi-Fi Tx/Rx



Router supervision

The HTTP configuration tool lets you configure and monitor the router remotely.

To access the HTTP configuration tool:

1. Open your browser.
2. Enter the router's IP address or enter the following URL: `http://myrouter`
3. In the login screen that appears, enter your username and password.

Note



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

The welcome page of the HTTP configuration tool appears.

The router's activity status is always visible at the top right corner.



You can perform the following actions:

- click on **Refresh** to update the data displayed
- click on **Reboot** to restart your router

ADSL information

The following table presents the possible states of the **ADSL** field:

Status	Meaning
Green	ADSL line synchronised
Yellow	ADSL line synchronising
Red	ADSL line not connected

The **Down** field displays the nominal downlink bit rate.

The **Up** field displays the nominal uplink bit rate.



Internet information

The following table presents the possible states of the **Internet** field:

Status	Message	Meaning
Off	Adsl Down	ADSL line not connected or not activated
	Not configured	The Internet account must be configured
	Router rebooting	Router is rebooting
Green	Connected	The Internet account is configured
Yellow	Waiting for ISP	ADSL line synchronising
Red	Access denied	Incorrect Internet account



6. Advanced router configuration

Use the HTTP configuration tool to access advanced router settings and configure your equipment according to your needs.

Example of an advanced Wi-Fi configuration:

The screenshot shows the SAGEM F@st™ 1704 router's web interface. The top navigation bar includes the SAGEM logo, a status bar with 'ADSL' (Down/Up), 'Internet' (On/Off), and 'ADSL Down.' buttons, and a 'refresh/reboot' button. The left sidebar contains a menu with 'Device Info', 'Internet Connection', 'Advanced Setup', 'Wireless', 'Basic', 'Security' (highlighted), 'MAC Filter', 'Advanced', 'Station Info', 'Diagnostics', and 'Management'. The main content area is titled 'Wireless -- Security' and contains the following configuration options:

- Wireless -- Security**
This page allows you to configure security features of the wireless LAN interface.
You may setup configuration manually
OR
through WiFi Protected Setup(WPS)
- WSC Setup**
 - Enable WSC: Disabled Enabled
 - Add Client (This feature is available only when WPA-PSK, WPA2-PSK or OPEN mode is configured)
 - Push-Button PIN
 - [Help](#)
 - Set WSC AP Mode: Configured Disabled
 - Device PIN: [Help](#)
 - WSC Add External Registrar:
- Manual Setup AP**
You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click "Apply/Save" when done.

A small image of the router is visible in the bottom right corner of the configuration page.



7. Troubleshooting

Many sources of information are available to help you identify and resolve issues you may experience:

- the LEDs on the front panel of the router (see **Status of the LEDs on the front panel**, page 9),
- the HTTP configuration tool (see **Router supervision**, page 10).

For step-by-step and advanced problem-solving procedures, use the **Diagnostic tool** available in the HTTP configuration tool.

If none of the above helps you solve the problem, and you are still having trouble connecting to the Internet, we recommend that you restart your router and eventually reset the factory configuration. You will then need to re-configure your router as a first-time setup.

Diagnostics tool

To access the Diagnostic tool:

1. Open the configuration tool (see **Router supervision**, page 10).
2. Select the **Diagnostics** menu.

3. Click on **Test**. The Internet connection is tested step-by-step:
 - successful tests are marked as a pass.
 - unsuccessful tests are marked as a fail.

Note



Status DOWN means that an interface was not detected (LAN or Wi-Fi).

4. If a test fails, click on the corresponding **Help** link to access detailed information and problem-solving procedures.
5. Click on **Test** to check the problem is solved and resume the connection tests.



Restarting your router

To restart your router, use one of the following methods:

- press the **Power** button located on the rear panel of the router,
- click on the **Reboot** action of the HTTP configuration tool (see **Router supervision**, page 10).

Resetting factory configuration

To reset the default settings and therefore restore the router to its factory configuration, use one of the following methods:

- press and hold for about 10 seconds the **Reset** button located on the rear panel of the router,
- in the HTTP configuration tool, select **Management > Settings > Restore default**.

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