SAGEM F@st™ 1704

Quick Installation Guide
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
250, Route de l'Empereur
92500 RUEIL MALMAISON - FRANCE

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Windows® is a registered trademark of Microsoft Corporation.
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1. Contents of the pack

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

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

* 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 | HPV (Hazardous Primary Voltage circuit) |
| DC power supply access Miniature fixed connector (PWR) | SELV (Safety Extra Low Voltage) |
| RJ45 Ethernet access (LAN1 to LAN4) | SELV |
| RJ11 line access (LINE) | TNV3 (Telecommunication Network Voltage 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.
1. Once you have configured your computer’s wireless manager, click on **Next**.

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

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

You may now use your Internet access.

**Note**

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

**Important**

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

1. Once you have configured your computer’s wireless manager, click on **Next**.
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.

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

<table>
<thead>
<tr>
<th>LED</th>
<th>Status</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Power LED" /></td>
<td>Off</td>
<td>Power Off</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>Power On</td>
</tr>
<tr>
<td></td>
<td>Red</td>
<td>Router in rescue mode</td>
</tr>
<tr>
<td><img src="image" alt="ADSL LED" /></td>
<td>Off</td>
<td>ADSL Down</td>
</tr>
<tr>
<td></td>
<td>Green steady</td>
<td>ADSL Up</td>
</tr>
<tr>
<td></td>
<td>Green blinking</td>
<td>ADSL Synchronisation in progress</td>
</tr>
<tr>
<td><img src="image" alt="Internet LED" /></td>
<td>Off</td>
<td>Power Off or The Internet account must be configured</td>
</tr>
<tr>
<td></td>
<td>Green steady</td>
<td>The Internet account is configured or Bridge mode</td>
</tr>
<tr>
<td></td>
<td>Green blinking</td>
<td>Tx/Rx traffic</td>
</tr>
<tr>
<td></td>
<td>Red</td>
<td>Invalid or unauthorised Internet account</td>
</tr>
<tr>
<td><img src="image" alt="LAN LED" /></td>
<td>Off</td>
<td>No link detected on the Ethernet port</td>
</tr>
<tr>
<td>(1 to 4)</td>
<td>Green steady</td>
<td>Ethernet port has detected a link with 100 Mbps device</td>
</tr>
<tr>
<td></td>
<td>Green blinking</td>
<td>Tx/Rx traffic at 100 Mbps</td>
</tr>
<tr>
<td><img src="image" alt="WLAN LED" /></td>
<td>Off</td>
<td>Wi-Fi deactivated</td>
</tr>
<tr>
<td></td>
<td>Green steady</td>
<td>Wi-Fi activated</td>
</tr>
<tr>
<td></td>
<td>Green blinking</td>
<td>Wi-Fi Tx/Rx</td>
</tr>
</tbody>
</table>
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 Service Provider (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:

<table>
<thead>
<tr>
<th>Status</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>ADSL line synchronised</td>
</tr>
<tr>
<td>Yellow</td>
<td>ADSL line synchronising</td>
</tr>
<tr>
<td>Red</td>
<td>ADSL line not connected</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Status</th>
<th>Message</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>Adsl Down</td>
<td>ADSL line not connected or not activated</td>
</tr>
<tr>
<td></td>
<td>Not configured</td>
<td>The Internet account must be configured</td>
</tr>
<tr>
<td></td>
<td>Router rebooting</td>
<td>Router is rebooting</td>
</tr>
<tr>
<td>Green</td>
<td>Connected</td>
<td>The Internet account is configured</td>
</tr>
<tr>
<td>Yellow</td>
<td>Waiting for ISP</td>
<td>ADSL line synchronising</td>
</tr>
<tr>
<td>Red</td>
<td>Access denied</td>
<td>Incorrect Internet account</td>
</tr>
</tbody>
</table>
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:
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.