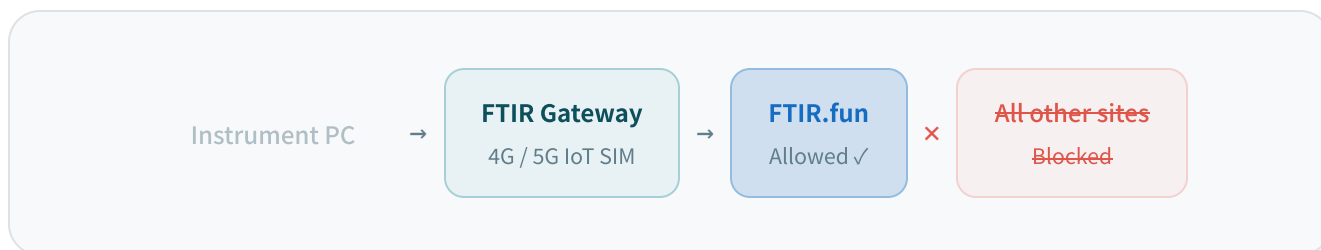


FTIR.FUN

FTIR IoT Gateway Quick Start Manual

Plug-and-play isolated network terminal — instrument PC stays offline, FTIR.fun stays online.



1

Power on the Gateway

Connect the gateway to a power source using the supplied USB-C cable and adapter. Press the power button — the indicator LED will blink during startup (approximately 30–45 seconds) and turn steady green once the device has connected to the mobile network via its built-in IoT SIM.

Do *not* connect it to your lab network or computer yet. Let it establish its own internet connection first.

2

Connect your instrument PC to the Gateway

Choose one of the two methods below. When connecting, your instrument PC should *not* be connected to any other network (disable other WiFi/Ethernet connections).

Method A — WiFi

Open WiFi settings on your instrument PC.
Select the network **FTIR-Gateway**

Method B — Ethernet cable

Plug one end of a standard Ethernet cable into the LAN port on the gateway, and the

and enter the password printed on the label on the bottom of the gateway device.

other end into your instrument PC's Ethernet port. No configuration needed — the connection is established automatically.

3

Open your browser

Once connected, open any web browser on your instrument PC (Chrome, Edge, or Firefox). The Gateway's captive portal will automatically redirect you to the FTIR.fun entry page.

If the redirect does not happen within 10 seconds, manually enter:

<https://ftir.fun>

This is the *only* website accessible through the Gateway. Any attempt to reach other websites, cloud drives, email services, or messaging apps will be blocked at the network level.

4

Start using FTIR.fun

You are now on the FTIR.fun platform through the dedicated Gateway connection. All features — spectrum search, AI peak analysis, quality control workflows, formulation analysis, and result review — work exactly as they do on the public internet.

Your instrument PC never touches the open web. The Gateway creates a strict tunnel: instrument PC ↔ Gateway ↔ FTIR.fun servers only.

Important notes

- ! The Gateway only transmits data to and from FTIR.fun servers. All other internet traffic is blocked at the system level.
- ! No customer WiFi password or lab network configuration is ever required. The Gateway uses its own independent IoT SIM connection.
- ! Keep the gateway in a location with adequate mobile signal reception. Avoid metal enclosures, shielded cabinets, or basements.
- ! Gateway status can be checked at <http://gateway.local> from a connected PC — view online status, data usage, and firmware version.

! Do not factory-reset the device. If you encounter issues, contact FTIR.fun support.

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