Manuals+ — User Manuals Simplified.

Franklin Technology FX20 AX1800 Router User Manual

Contents

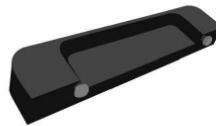**Franklin Technology FX20 AX1800 Router**

Thank you for choosing AX1800 Router, FX20! Having FX20 at your fingertips will allow you to access WiFi networks for faster uploads and downloads. You can also connect up to 20 Wi-Fi-capable devices to the Internet at once – laptops, tablets, Readers, Smartphones, and more.
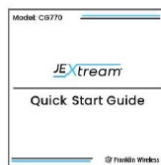
What's in the box

FX20 Device

Stand (or Wall Bracket)

Power Adapter

Get Started Guide

RJ-45 Cable

Product Overview
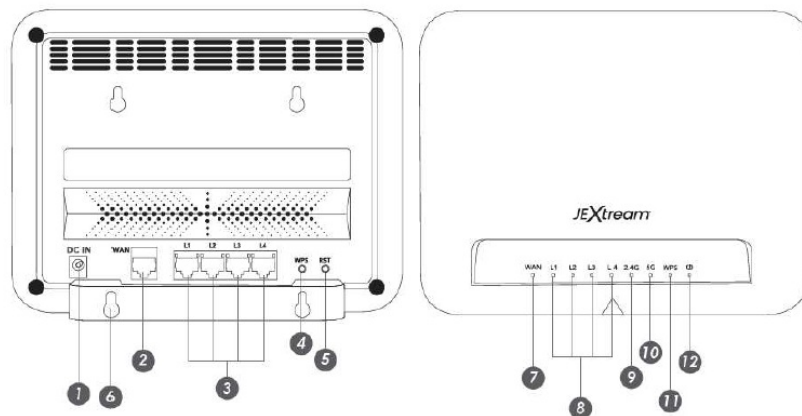
1. Power Adapter Port
2. RJ45 (WAN Port)
3. RJ45 (LAN Port)
4. WPS Button
5. Reset Button
6. Wall Mount Hole
7. WAN Indicator
8. LAN 1-4 Indicator
9. 2.4G Indicator
10. 5G Indicator
11. WPS Indicator
12. Power Indicator

Using Your FX20

- Device Setup
- Power on the device with an adapter
- Connect to the device via Wi-Fi
- Connect to the device via an Ethernet port

Device Setup
Attach the stand to the Device, by lining up and inserting the stand's bolts to the bottom bolt holes of the device.
Then push up to lock
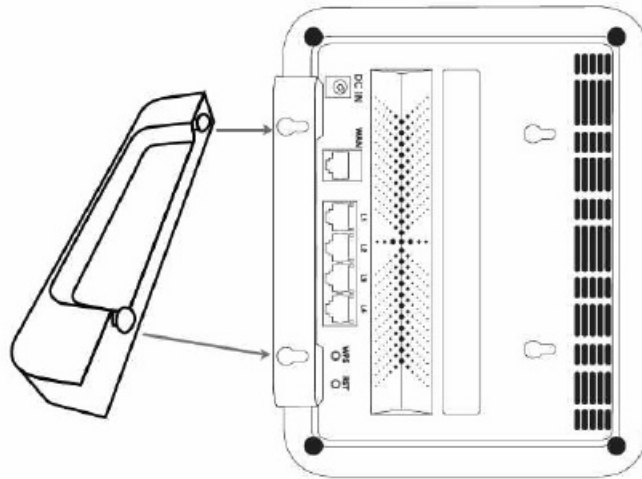
Power on the device with an adapter
Plug the DC charger to the device and connect it to the wall. The device should automatically turn on.
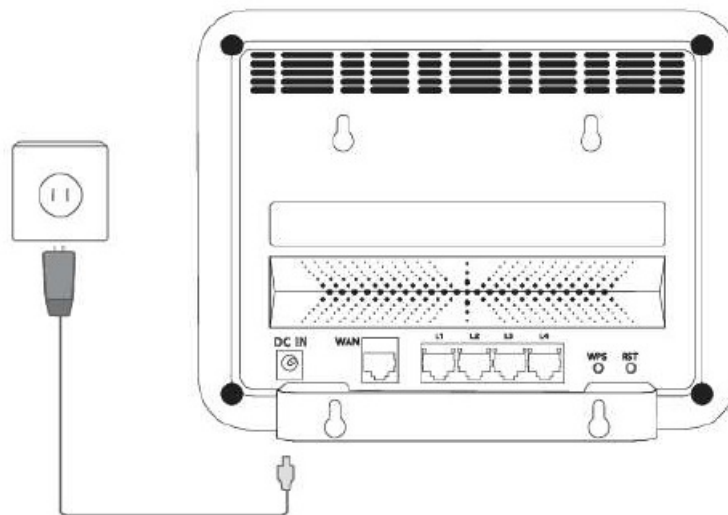
Connect to the device via an Ethernet port
For the best performance, we recommend using a CAT6 Ethernet cable.
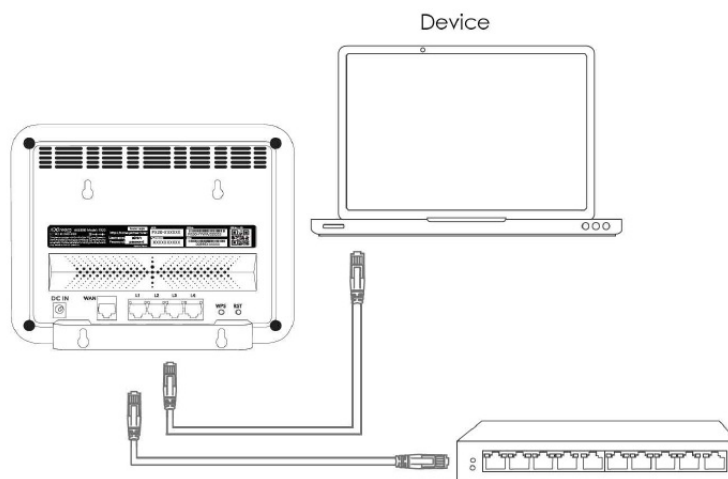
Log into Web Admin Page
Access and configure your device using Web Admin Page.

1. Make a Wi-Fi or Ethernet connection to your device.
2. Open a browser and enter **http://router.jextream.net** or **http://192.168.10.1**
3. Click Login at the top right
4. Enter the Admin password

   Note: The default admin password for login to the Web Admin Page is admin. It is recommended that you change the admin password and Wi-Fi password.

Device Feature Definition

Feature	Specification
Network Processor	Realtek RTL8198D (Dual Core 900MHz) Realtek RTL8832AR (5GHz PHY) Realtek RTL8192XAR (2.4GHz PHY)
Wi-Fi 6 (AX1800 Access Point)	802.11ax, 802.11 a/b/g/n/ac compatible – 1.2Gbps (5GHz, 2×2/80MHz) – 600Mbps (2.4GHz, 2×2/40MHz) 2x Internal 2.4GHz antennas 2x Internal 5GHz antennas Wi-Fi Protected Access (WPA2/WPA3) Easy Mesh R2/R3
Ethernet	1x 1GBaseT RJ-45 (WAN) 4x 1GBaseT RJ-45 (LAN)
LED Indicators	9x Status LED Indicators (WAN, L1, L2, L3, L4, 2.4GHz, 5GHz, WPS, Power)
Peripheral Interfaces	5x RJ-45 10/100/1000Mbps 1x WPS button 1x Reset button DC 12V, 1.5A

Device Features (Local WebUI)	Account Settings
	Dashboard – Traffic monitoring, Internet/LAN/WiFi connected status,
	System
	information, Mesh list, LAN Port status Setup Wizard for the internet connection
	Wired LAN setting – IP Address, DHCP Server, Port settings
	Wireless LAN settings – Main General setting (SSID, Encryption, etc), Guest Network
	setting (SSID, Encryption, etc), Mesh configuration, Access Control, WPS. Internet (WAN) – IPv4/v6 setting, Port Forwarding, DMZ, DDNS, VPN Passthrough,
	QoS, Parental Control
	Firewall – DoS Protection, URL filtering, Content keyword filtering, service filtering
	System settings
Personal-MDM client (Remote Management)	The device shall communicate with the personal-MDM server and follows up on all the features that are described with the MQTT protocol.
Dimensions / Weight	Dim:W210 x L163 x 32T(With cradle : W210 x L163 x 62T) / Weight : TBD

Connect to the Internet and Troubleshoot

- Make sure that the router's WAN LED lights is lit when the router is connected to the
- Make sure that the router's WiFi LED is lit. Look on the router label for the preassigned WiFi network name (SSID) and network key (password).
- If you're having problems with the installation, try one of the following:
- Turn off the internet modem and your router and disconnect the ethernet cable.
- Reboot the cable modem. Reconnect the ethernet cable to your router.
- If you're still unable to install your router, manually install it using the router's local web interface.
- Launch a web browser, visit **http://router.jextream.net** or **http://192.168.10.1** to access the router web interface. If a login window displays enter "admin" for the username and "password" for the admin password

How do I perform a Factory Reset?
Using Mobile Hotspot Homepage: Connect to your FX20 and then open the Web Admin home page
(http://192.168.10.1). Select Settings > Mobile Network > Advanced and Click Factory Reset.

I cannot connect to Wi-Fi after changing the Wi-Fi password.
Your Wi-Fi devices save the previously used Wi-Fi names associated with the passwords used to access the Wi-Fi name. When you change the Wi-Fi password only for your FX20 and keep the same Wi-Fi Name, the devices try to connect to your FX20 using the Wi-Fi name and previous Wi-Fi password saved, causing a Wi-Fi authentication error. I cannot access the Web Admin, **http://192.168.10.1**

Ensure that the Wi-Fi connection is enabled on your device and that you have selected the correct Wi-Fi name (SSID) for your FX20 connection. Also, make certain that you are entering the correct full URL address as **http://192.168.10.1.**

Regulatory Statements

FCC Equipment Authorization ID: XHG-FX20
Federal Communication Commission Interference Statement This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device is restricted to indoor use.

IMPORTANT NOTE
FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body. Product Certifications and Declaration of Conformity Product certifications and Declarations of conformity documentation may be consulted at Franklin Wireless, 9707 Waples Street, Suite 150, San Diego CA 92121, U.S.A, **https://www.fra nklinwireless.com**

Safety Hazards

Follow Safety Guidelines
Always follow the applicable rules and regulations in the area in which you are using your device. Turn your device off in areas where its use is not allowed or when its use may cause interference or other problems.

Electronic Devices
Most modern electronic equipment is shielded from radio frequency (RF) signals. However, inadequately shielded electronic equipment may be affected by the RF signals generated by your device.

Medical and Life Support Equipment
Do not use your device in healthcare facilities or where medical life support equipment is located as such equipment could be affected by your device's external RF signals.

Pacemakers

- The Health Industry Manufacturers Association recommends that a minimum separation of six inches must be maintained between a device and a pacemaker in order to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.
- Persons with pacemakers should always follow these guidelines:
- Always keep the device at least six inches away from a pacemaker when the device is turned on.
- Place your device on the opposite side of your body where your pacemaker is implanted in order to add extra distance between the pacemaker and your device.
- Avoid placing a device that is on next to a pacemaker (e.g., do not carry your device in a shirt or jacket pocket that is located directly over the pacemaker).
- If you are concerned or suspect for any reason that interference is taking place with your pacemaker, turn your device OFF immediately.

Hearing Devices
When some wireless devices are used with certain hearing devices (including hearing aids and cochlear implants) users may detect a noise that may interfere with the effectiveness of the hearing device.

Use of Your Device while Operating a Vehicle
Please consult the manufacturer of any electronic equipment that has been installed in your vehicle as RF signals may affect electronic systems in motor vehicles. Please do not operate your device while driving a vehicle. This may cause a severe distraction and in some areas, it is against the law.

Use of Your Device on an Aircraft
Using your device during flight may violate FAA regulations. Because your device may interfere with onboard

electronic equipment, always follow the instructions of the airline personnel and turn your device OFF when instructed to do so.

Blasting Areas

In order to avoid interfering with blasting operations, your device should be turned OFF when in a blasting area or in an area with posted signs indicating that people in the area must turn off two-way radios. Please obey all signs and instructions when you are in and around a blasting area.

Proper Battery & Adapter Use and Disposal

- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or another hazard.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified with the system per CTIA Certification Requirements for Battery System Compliance to IEEE 1725.
- Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or another hazard.
- Do not short-circuit a battery or allow metallic conductive objects to contact battery terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or another hazard. Only authorized service providers shall replace the battery.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the battery. If the battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion or another hazard.
- The host device shall only be connected to CTIA-certified adapters, products that bear the USB-IF logo or products that have completed the USB-IF compliance program.

Documents / Resources

FX20 AX1800 Router **User Manual**	**Franklin Technology FX20 AX1800 Router** [pdf] User Manual FX20, XHG-FX20, XHGFX20, FX20 AX1800 Router, FX20, AX1800 Router, Router

References

- 🌐 **router.jextream.net – JEXtream**