

## Netcomm IFWA-40 / MR1100

# Netcomm Wireless Internet Router IFWA 40 User Manual

Model: IFWA-40 / MR1100

## INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Netcomm Wireless Internet Router IFWA 40. This device is designed to provide reliable 4G LTE Wi-Fi connectivity, allowing you to connect up to 20 devices and create a Wireless Local Area Network (WLAN) anywhere.

## PRODUCT OVERVIEW

### Front Panel Indicators

The front panel of the IFWA 40 features several LED indicators that provide status information about the device's operation.

- **Power LED:** Indicates the power status of the device.
- **Voicemail LED:** Indicates new voicemail messages (if phone service is configured).
- **Wi-Fi LED:** Shows the status of the Wi-Fi network.
- **Information LED:** Provides general status or notification alerts.
- **Battery LED:** Displays the battery charge level and charging status.
- **Signal Bars:** Indicates the strength of the 4G LTE cellular signal.



Figure 1: Front view of the Netcomm IFWA 40 Wireless Internet Router, showing the AT&T logo and a row of LED indicators for power, voicemail, Wi-Fi, information, battery, and signal strength.



Figure 2: Another front view of the Netcomm IFWA 40 Wireless Internet Router, highlighting its compact design and the arrangement of the status indicator lights.

## Rear Panel Ports and Buttons

The rear panel provides connectivity options and control buttons.

- **LAN Port:** One Gigabit Ethernet (1000Mbps) port for wired network connections.
- **Phone Ports:** Two Analog Phone Jacks for connecting landline phones.
- **On/Off Button:** Power button for turning the device on or off.
- **Power Port:** For connecting the AC power adapter.
- **Reset Button:** Used to reset the device to factory default settings.
- **Antenna Ports:** Two SMA cellular antenna ports for external antennas to improve signal reception.



Figure 3: Rear view of the Netcomm IFWA 40 Wireless Internet Router, displaying the LAN port, two phone ports, power input, on/off button, reset button, and two external antenna ports.

## Side Panel

The side of the device features a WPS button for easy Wi-Fi Protected Setup.

- **WPS Button:** For quickly connecting WPS-compatible devices to the Wi-Fi network without entering a password.



Figure 4: Side view of the Netcomm IFWA 40 Wireless Internet Router, showing the WPS (Wi-Fi Protected Setup) button.

## Overall Diagram



Figure 5: Comprehensive diagram illustrating the various components and ports of the Netcomm IFWA 40 Wireless Internet Router, including front panel LEDs, rear ports (Ethernet, Phone, AC Adapter, Antenna), and the Battery/SIM Tray location.

## SETUP

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## 1. Insert SIM Card

The Netcomm IFWA 40 uses a Nano SIM card. Locate the SIM card slot, typically found under the battery cover or in a dedicated tray. Carefully insert your activated Nano SIM card into the designated slot until it clicks into place.

## 2. Connect Power

Connect the provided AC power adapter to the Power port on the rear of the router and then plug the adapter into a wall outlet. The Power LED on the front panel should illuminate.

## 3. Power On the Device

Press the On/Off button on the rear panel to power on the router. Wait for the device to boot up. The Signal bars LED should eventually show signal strength, indicating a successful connection to the 4G LTE network.

## 4. Connect Devices

- **Wi-Fi:** Locate the Wi-Fi network name (SSID) and password, usually found on a label on the bottom of the router. Connect your Wi-Fi enabled devices (phones, tablets, laptops) to this network. The router supports dual-band Wi-Fi and can connect up to 20 devices simultaneously.
- **Ethernet:** For wired connections, connect an Ethernet cable from the LAN port on the router to your computer or other network device.
- **Phone:** Connect analog phones to the Phone ports if you are using the voice service feature.

## 5. Access Control Panel

To manage settings, access the router's control panel by opening a web browser on a connected device and navigating to [att.wirelessinternet](#) or [192.168.0.1](#). Log in using the default credentials (usually found on the router's label or in the quick start guide).

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## OPERATING INSTRUCTIONS

### Wi-Fi Connectivity

The router provides a robust Wi-Fi network. Ensure your devices are within range for optimal performance. The dual-band Wi-Fi allows for flexible connection options, with 10 devices per band for a total of 20 Wi-Fi connections.

### WPS Function

For quick and secure Wi-Fi connections with WPS-compatible devices, press the WPS button on the side of the router, then activate WPS on your client device within two minutes.

### Battery Backup

The Netcomm IFWA 40 includes a removable 3000mAh Li-ion battery. In the event of a power outage, the device can operate on battery power for up to 29 hours in standby mode and provide up to 180 minutes of active use time.

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## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the router. Avoid using liquid cleaners or aerosols.
- **Ventilation:** Ensure the router is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Firmware Updates:** Periodically check the router's control panel for available firmware updates to ensure optimal performance and security.

- **Battery Care:** If the device is not used for extended periods, it is recommended to fully charge the battery and store it in a cool, dry place.

## TROUBLESHOOTING

### No Internet Connection

- Check the Signal bars LED on the front panel. If no signal is present, try repositioning the router or connecting external antennas.
- Ensure your Nano SIM card is properly inserted and activated with your service provider.
- Verify that the router's power adapter is securely connected and the Power LED is on.
- Restart the router by powering it off and then on again.

### Wi-Fi Connection Issues

- Ensure the Wi-Fi LED is illuminated.
- Check that you are entering the correct Wi-Fi password (SSID and password are on the router's label).
- Try moving closer to the router to improve signal strength.
- If many devices are connected, try disconnecting some to see if performance improves.

### Device Not Responding

- If the router becomes unresponsive, press and hold the Reset button on the rear panel for about 10 seconds to restore factory default settings. **Note:** This will erase all custom settings, including Wi-Fi name and password.

## SPECIFICATIONS

Feature	Detail
Brand	Netcomm
Model	IFWA-40 / MR1100
RAM Memory	512 MB
Operating System	Linux 3.18.31
Processor Chipset	Qualcomm Snapdragon X16 (1.2GHz quad-core)
Compatible Devices	Laptop, Tablet, Smartphone
Special Features	WPS
Power Source Type	Battery / AC Adapter
Battery Capacity	3000mAh Li-ion (removable)
Data Transfer Rate	Up to 1000 Megabits Per Second (Ethernet)
Wireless Standard	802.11ac (Dual-Band Wi-Fi)
Frequency	1.2 GHz (Processor)


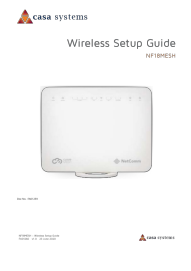

Number of Ports	1x Gigabit Ethernet, 2x Analog Phone Jack, 2x SMA Cellular Antenna Ports
SIM Type Supported	Nano SIM
Dimensions (L x W x H)	17.8 x 15.2 x 2.5 cm
Weight	1.1 kg




## WARRANTY AND SUPPORT

This Netcomm Wireless Internet Router IFWA 40 is a renewed product. As such, it is covered by the [Amazon Renewed Guarantee](#). If you are not satisfied with your purchase, renewed products are eligible for replacement or refund under this guarantee. Please refer to the Amazon Renewed program terms and conditions for full details regarding warranty coverage and support for renewed products.

For further assistance, please contact Amazon customer support or refer to the Amazon Renewed program documentation.

## Related Documents - IFWA-40 / MR1100

 <p>NetComm CF40 Wi-Fi 6 Quick Start Guide</p>	<p><a href="#">NetComm CF40 Wi-Fi 6 Quick Start Guide: Setup, Configuration, and Features</a></p> <p>A concise guide to setting up, connecting, and configuring your NetComm CF40 Wi-Fi 6 gateway. Learn about device features, network connectivity, and support options.</p>
 <p>Wireless Setup Guide NF18MESH</p>	<p><a href="#">Casa Systems NF18MESH Wireless Setup Guide</a></p> <p>A comprehensive guide to setting up and connecting to the Casa Systems NF18MESH wireless network. Learn how to configure Wi-Fi settings, connect devices, and troubleshoot common issues.</p>
 <p>NetComm NL20MESH Quick Start Guide</p>	<p><a href="#">NetComm NL20MESH Quick Start Guide: Setup, Configuration, and 4G Backup</a></p> <p>Comprehensive quick start guide for the NetComm NL20MESH router, covering setup, Wi-Fi connection, 4G backup features, and telephone configuration. Learn how to get your internet service online quickly and efficiently.</p>

 <p>The image shows the cover of the NetComm NTC-220 Series User Guide. It features a black industrial IoT cellular router with various ports and antennas. The text on the cover includes 'NetComm', 'User Guide', and 'NTC-220 Series'.</p>	<p><a href="#">NetComm NTC-220 Series User Guide: Industrial IoT Cellular Router</a></p> <p>Comprehensive user guide for the NetComm NTC-220 Series industrial IoT cellular router, detailing setup, configuration, advanced networking, and management features for robust connectivity in demanding environments.</p>
 <p>The image shows the cover of the NetComm NL20MESH Wi-Fi 6 CloudMesh Hybrid Gateway User Guide. It features a white, rectangular mesh gateway device. The text on the cover includes 'NetComm', 'User Guide', and 'Wi-Fi 6 CloudMesh Hybrid Gateway - NL20MESH'.</p>	<p><a href="#">NetComm NL20MESH Wi-Fi 6 CloudMesh Hybrid Gateway User Guide</a></p> <p>Comprehensive user guide for the NetComm NL20MESH Wi-Fi 6 CloudMesh Hybrid Gateway. Learn how to set up, configure, and optimize your network, including Wi-Fi, VoIP, and advanced features.</p>
 <p>The image shows the cover of the NetComm NF20 Wi-Fi 6 Quick Start Guide. It features a white, rectangular Wi-Fi 6 router. The text on the cover includes 'TANGERINE', 'NETCOMM NF20', 'Wi-Fi 6', 'Quick Start Guide', and 'NetComm'.</p>	<p><a href="#">NetComm NF20 Wi-Fi 6 Quick Start Guide</a></p> <p>Get started with your NetComm NF20 Wi-Fi 6 router from Tangerine Telecom. This quick start guide covers device features, port identification, NBN connection setup for various types (HFC, FTTN, FTTN, VDSL), Wi-Fi connection, and VoIP telephone configuration.</p>