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› ASUS 4G-N16 Wi-Fi N300 LTE Cat. 4 Modem Router User Manual

ASUS 4G-N16

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Model: 4G-N16 (90IG07E0-MO3H00)

1. INTRODUCTION

The ASUS 4G-N16 Wi-Fi N300 LTE Cat. 4 Modem Router provides high-speed internet access via 4G LTE mobile broadband. It offers Wi-Fi N300 speeds for reliable wireless connections and includes a wired LAN Ethernet port for versatile connectivity. This manual provides instructions for setting up, operating, and maintaining your router.

2. PACKAGE CONTENTS

- ASUS 4G-N16 Router Unit
- 2 x Detachable LTE Antennas
- Power Adapter
- Ethernet Cable (may vary by region)

3. PRODUCT OVERVIEW

Familiarize yourself with the router's components and indicators.



Figure 3.1: The ASUS 4G-N16 router providing Wi-Fi coverage to multiple devices and environments, illustrating its wide reach.



Figure 3.2: This diagram highlights the two detachable LTE antennas and the LED signal indicators on the router's front panel. The indicators show signal strength for 3G/4G: Excellent, Good, and Weak.

Front Panel Indicators

- **Power LED:** Indicates power status.
- **Wi-Fi LED:** Indicates Wi-Fi activity.
- **3G/4G Signal Strength LEDs:** Multiple LEDs indicate the current mobile signal strength (Excellent, Good, Weak).

Rear Panel Ports and Buttons

The rear panel includes essential connectivity options:

- **SIM Card Slot:** For inserting your 4G LTE Micro SIM card.
- **LAN Port:** For wired network connections.
- **Power Input:** Connects to the power adapter.
- **Reset Button:** Used to restore factory default settings.
- **WPS Button:** For easy Wi-Fi Protected Setup.



Figure 3.3: The rear panel of the ASUS 4G-N16 router, displaying the SIM card slot, LAN port, power input, reset button, and WPS button.

4. SETUP INSTRUCTIONS

Follow these steps to set up your ASUS 4G-N16 router for internet access.

1. **Insert SIM Card:** Carefully insert your 4G LTE Micro SIM card into the designated SIM card slot on the router's rear panel. Ensure it is inserted correctly until it clicks into place.



Figure 4.1: Step-by-step illustration of inserting the Micro SIM card into the router's slot.

2. **Attach Antennas:** Screw the two detachable LTE antennas onto the connectors on the router. Adjust their position for optimal signal reception.
3. **Connect Power:** Connect the power adapter to the router's power input port and then plug it into a power outlet. The router will power on automatically.
4. **Power On:** Wait for the router to boot up. The Power LED should turn solid.
5. **Automatic ISP Detection:** The router is designed to automatically detect your Internet Service Provider (ISP) settings. Once detected, the 3G/4G signal strength LEDs will illuminate, indicating a successful connection.
6. **Connect Devices:** You can now connect your devices via Wi-Fi or by using an Ethernet cable to the LAN port.

Note: If the router does not successfully detect ISP settings, please access the router's web interface (usually via a web browser at 192.168.1.1 or router.asus.com) and follow the easy installation wizard for manual configuration.

5. OPERATING INSTRUCTIONS

5.1 Connecting to Wi-Fi

1. On your device (laptop, smartphone, tablet), search for available Wi-Fi networks.
2. Select the network name (SSID) of your ASUS 4G-N16 router. The default SSID and password are usually found on a label on the router.
3. Enter the Wi-Fi password when prompted.
4. Your device should now be connected to the internet.



Figure 5.1: The ASUS 4G-N16 router enables multiple users to connect and enjoy internet access in a home environment.

5.2 Using the LAN Port

For devices requiring a wired connection, use an Ethernet cable to connect the device to the LAN port on the router's rear panel.

5.3 Monitoring Signal Strength

Observe the 3G/4G signal strength LEDs on the front panel to ensure optimal mobile broadband performance. More illuminated LEDs indicate a stronger signal.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your router.

- **Cleaning:** Regularly wipe the router with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Ventilation:** Ensure the router is placed in a well-ventilated area to prevent overheating. Do not block the ventilation holes.
- **Firmware Updates:** Periodically check the ASUS support website for firmware updates. Keeping your firmware up-to-date can improve performance, security, and add new features.
- **Secure Placement:** Place the router on a stable surface, away from direct sunlight, heat sources, and moisture.

7. TROUBLESHOOTING

If you encounter issues with your ASUS 4G-N16 router, refer to the following common troubleshooting steps.

7.1 No Internet Connection

- **Check SIM Card:** Ensure the 4G LTE Micro SIM card is correctly inserted and active.
- **Signal Strength:** Verify the 3G/4G signal strength LEDs. If the signal is weak or absent, try repositioning the router or adjusting the antennas.
- **ISP Settings:** Access the router's web interface to confirm that the ISP settings are correctly configured. If automatic detection failed during setup, manual configuration might be required.
- **Reboot Router:** Power off the router, wait 30 seconds, then power it back on.

7.2 Weak Wi-Fi Signal or Slow Speeds

- **Router Placement:** Place the router in a central location, away from obstructions and other electronic devices that may cause interference.
- **Antenna Adjustment:** Adjust the orientation of the detachable LTE antennas for better signal reception.
- **Interference:** Avoid placing the router near cordless phones, microwave ovens, or other devices operating on the 2.4 GHz frequency.

7.3 Cannot Access Router Web Interface

- **IP Address:** Ensure you are using the correct IP address (e.g., 192.168.1.1) or hostname (e.g., router.asus.com) in your web browser.
- **Wired Connection:** Try connecting your computer directly to the router's LAN port with an Ethernet cable.
- **Reset Router:** If all else fails, perform a factory reset by pressing and holding the Reset button on the rear panel for about 5-10 seconds until the LEDs flash. **Warning:** This will erase all custom settings.

8. SPECIFICATIONS

Feature	Description
Brand	ASUS
Model Name	4G-N16
Model Number	90IG07E0-MO3H00 (EU)
Connectivity Technology	LTE
Wireless Standard	802.11n (Wi-Fi N300)
Frequency Band Class	Single-Band
LTE Data Transfer Rate	Up to 150 Mbps
Wi-Fi Data Transfer Rate	Up to 300 Mbps
Number of LAN Ports	1
Included Components	Antenna, Power Supply
Special Feature	LED Indicator
Compatible Devices	Personal Computer, Smart Television, Tablet
Item Weight	1 Grams
Voltage	12 Volts
Frequency	2600 MHz
Country of Origin	China

9. WARRANTY AND SUPPORT

9.1 Manufacturer's Warranty

The ASUS 4G-N16 router comes with a **3 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty information provided with your product or visit the official ASUS website.

9.2 Technical Support

For further assistance, technical support, or to download the latest drivers and firmware, please visit the official ASUS support website:

<https://www.asus.com/support/>

You may also find helpful resources and FAQs on the product's dedicated support page.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question