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Acer Predator Connect T7 Wi-Fi 7 BE11000 Mesh Gaming Router User Manual

PRODUCT OVERVIEW

The Acer Predator Connect T7 Wi-Fi 7 BE11000 Mesh Gaming Router is engineered to deliver a high-performance wireless gaming experience. It features Wi-Fi 7 technology for lightning-fast speeds, ultra-low latency, and robust reliability, utilizing Multi-Link Operation (MLO) and Multi-Link Mesh technology.

Key Features

- **TRIPLE-THREAT CONNECTIVITY:** Wi-Fi 7 BE11000 for peak data transmission and minimal latency, with potential latencies as low as 1ms.
- **WIRELESS GAMING:** Multi-Link Operation (MLO) technology aggregates multiple channels across various bands for reduced latency and boosted reliability.
- **HYBRID QoS:** Compatible with Intel Killer Prioritization Engine for optimized bandwidth. Intelligent Device Recognition prioritizes devices and applications.
- **ENHANCED MESH CONNECTIVITY:** Multi-Link Mesh allows nodes to use several connections simultaneously, improving throughput and minimizing interference.
- **TOP OF ITS CLASS:** Quad-core ARM Cortex processor prevents slowdown, congestion, or latency.
- **COVERAGE:** Up to 3000 Sq. Ft. and connects up to 200 devices.
- **PORTS:** 1 x 2.5Gbps WAN and 2 x 1Gbps LAN Ethernet Connections.
- **SECURITY:** Lifetime Protection with TrendMicro Home Network Security.

PACKAGE CONTENTS

Ensure all items are present in your package:

- Predator Connect T7 Wi-Fi 7 Mesh Router
- Power Cord
- Network Cable
- Application (for setup and management)
- Quick Guide

INITIAL SETUP

Connecting Your Router

- 1. Position the Router:** Place your Predator Connect T7 router in a central location to maximize Wi-Fi coverage throughout your home. Avoid placing it near large metal objects, concrete walls, or other devices that emit radio waves (e.g., microwaves, cordless phones).
- 2. Connect to Power:** Plug the provided Power Cord into the router's power port and then into a wall outlet. The router's LED indicator will light up.
- 3. Connect to Modem:** Connect one end of the provided Network Cable to the 2.5Gbps WAN port (labeled 'Internet') on the router and the other end to your modem's Ethernet port.
- 4. Power On:** Press the Power button on the router to turn it on. Wait for the router to boot up completely. This may take a few minutes.
- 5. Connect Devices:** You can connect devices via Wi-Fi using the default SSID and password found on the label on the bottom of the router, or via Ethernet cables to the LAN ports.
- 6. App Setup:** Download the Predator Connect App (available on iOS and Android) to complete the setup process, customize settings, and manage your network.



Figure 1: Rear view of the Predator Connect T7 router, showing the 2.5Gbps WAN port, 1Gbps LAN ports, USB 3.0 port, and power input.

OPERATING YOUR ROUTER

Wi-Fi 7 Technology

The Predator Connect T7 leverages Wi-Fi 7 (802.11be) for enhanced performance. This includes support for 320 MHz channels and Multi-Link Operation (MLO), which allows devices to transmit and receive data across multiple frequency bands (2.4GHz, 5GHz, and 6GHz) simultaneously, significantly reducing latency and increasing throughput.

Intel Killer Prioritization Engine

The router integrates a Hybrid Quality of Service (QoS) system compatible with the Intel Killer Prioritization Engine. This technology intelligently identifies and prioritizes gaming traffic and other critical applications, ensuring they receive preferential bandwidth and minimal latency, even under heavy network load.



Figure 2: The Predator Connect T7 router in a gaming environment, highlighting its integration with the Intel Killer Prioritization Engine for optimized performance.

Mesh Connectivity

For extended coverage and seamless roaming, the Predator Connect T7 supports Multi-Link Mesh. This allows multiple T7 units to form a unified network, providing strong and consistent Wi-Fi signals across large areas (up to 3000 sq. ft.). Devices automatically connect to the strongest signal as you move around your home.

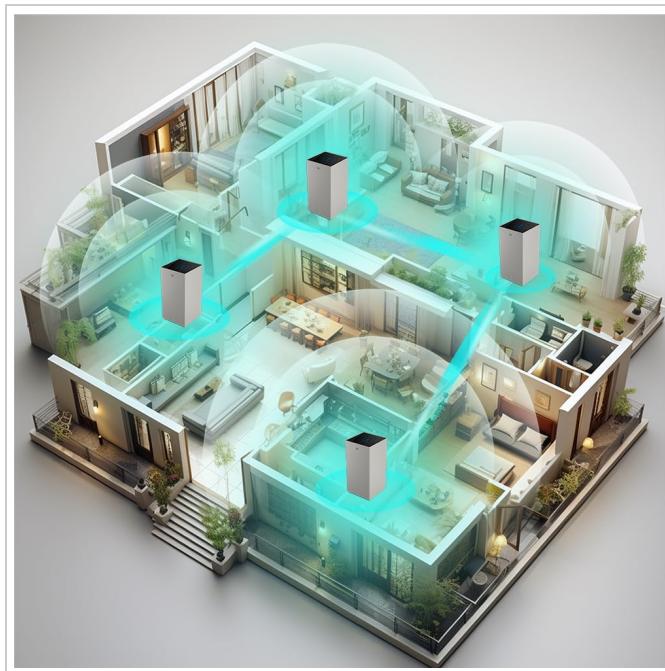


Figure 3: A diagram illustrating how multiple Predator Connect T7 routers create a mesh network to provide comprehensive Wi-Fi coverage throughout a multi-room home.

MAINTENANCE

To ensure optimal performance and security of your Predator Connect T7 router, regular maintenance is recommended:

- **Firmware Updates:** Periodically check for and install the latest firmware updates via the Predator Connect App. Updates often include performance improvements, new features, and security patches.
- **Physical Cleaning:** Keep the router's vents clear of dust and debris to prevent overheating. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Network Monitoring:** Use the Predator Connect App to monitor network activity, connected devices, and potential security threats.

TROUBLESHOOTING

LED Indicator Guide

The LED indicator on your Predator Connect T7 router provides visual cues about its status:

LED Status	Description
Alternating Red & Blue	Router is starting up.
Selected RGB Effect (Default: Fire effect)	The router is working properly.
Blinking Red	No internet connection.
Blinking Orange	The Wi-Fi is off.
Blinking Yellow	The Wi-Fi is off and there is no internet connection.
Blinking Blue	The router is upgrading firmware, establishing WPS connection, or resetting to factory default settings.

Resetting the Router

If you encounter persistent issues, you may need to reset your router. There are two types of resets:

- **Soft Reset (Power Cycle):** Simply unplug the power adapter from the router, wait for 10-15 seconds, and then plug it back in.
- **Factory Reset:** To restore the router to its factory default settings, press and hold the 'Reset' button (located on the top of the router) for about 2 seconds using a paperclip or the provided reset tool until the LED blinks blue. This will erase all your custom settings.



Figure 4: Top view of the Predator Connect T7 router, showing the recessed Reset button.

TECHNICAL SPECIFICATIONS

Feature	Detail
Wireless Type	802.11.be, 802.11ac, 802.11ax, 802.11g, 802.11n
Brand	acer
Series	Predator
Item model number	Predator Connect T7
Operating System	ZyNOS
Item Weight	3.31 pounds
Product Dimensions	4.29 x 4.29 x 8.35 inches
Color	White
Manufacturer	Acer
Model Name	Predator

Feature	Detail
Special Feature	Internet Security, QoS
Frequency Band Class	Tri-Band
Wireless Communication Standard	802.11.be, 802.11ac, 802.11ax, 802.11g, 802.11n
Compatible Devices	Gaming Console, Personal Computer, Smart Television, Smartphone, Tablet
Recommended Uses For Product	Business, Gaming, Home
Included Components	Application, Network Cable, Power Cord, Predator Connect T7 Wi-Fi 7 Mesh Router, Quick Guide
Connectivity Technology	Ethernet, Wi-Fi

WARRANTY AND SUPPORT

The Predator Connect T7 Wi-Fi 7 Mesh Gaming Router includes Lifetime Protection with TrendMicro Home Network Security, ensuring your network and connected devices are protected against online threats. For further assistance, refer to the Quick Guide included in your package or download the Predator Connect App (available on iOS and Android) for comprehensive support and management tools.