

## URANT UMS16

# URANT Triple Band Mesh WiFi System User Manual

Model: UMS16

## PRODUCT OVERVIEW

The URANT UMS16 Triple Band Mesh WiFi System is designed to provide seamless, whole-home wireless coverage, effectively replacing traditional WiFi routers and range extenders. This system utilizes advanced tri-band technology to ensure stable and high-speed internet access across large areas, up to 4400 sq ft.

Key features include:

- **Tri-Band AC2100 Mesh:** Features three dedicated bands (2.4GHz, 5GHz-1, 5GHz-2), with one 5GHz band serving as a dedicated backhaul to minimize lag and maximize speed for multiple devices.
- **Brand-New 6 GHz Band:** Offers a dedicated 6 GHz band that can function as a powerful backhaul for stable node connections or as a Wi-Fi network for Wi-Fi 6E compatible devices, reducing interference.
- **Easy Setup and Management:** Simplifies network setup and control through a dedicated mobile application, allowing for quick configuration and remote management. Compatible with voice commands via Alexa.
- **AI-Driven Mesh:** Intelligently adapts to your network environment, client quality, and user behavior to provide uninterrupted WiFi coverage.
- **Broad ISP Compatibility:** Works with major internet service providers (e.g., AT&T, Verizon, Xfinity) and supports internet plans up to 1 Gbps (requires a modem).



*Image: The URANT UMS16 mesh WiFi system, featuring three compact, white units designed for whole-home coverage. One unit is shown from the rear, displaying its Ethernet ports and power input.*

## PACKAGE CONTENTS

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Please verify that all items are present and in good condition upon opening the package:

- 3 x URANT UMS16 Mesh WiFi Units
- 3 x Power Adapters
- 1 x Ethernet Cable
- 1 x User Manual (this document)

## PHYSICAL COMPONENTS AND INDICATORS

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Each URANT UMS16 mesh unit features a simple and functional design. Understanding its components will assist in setup and operation.

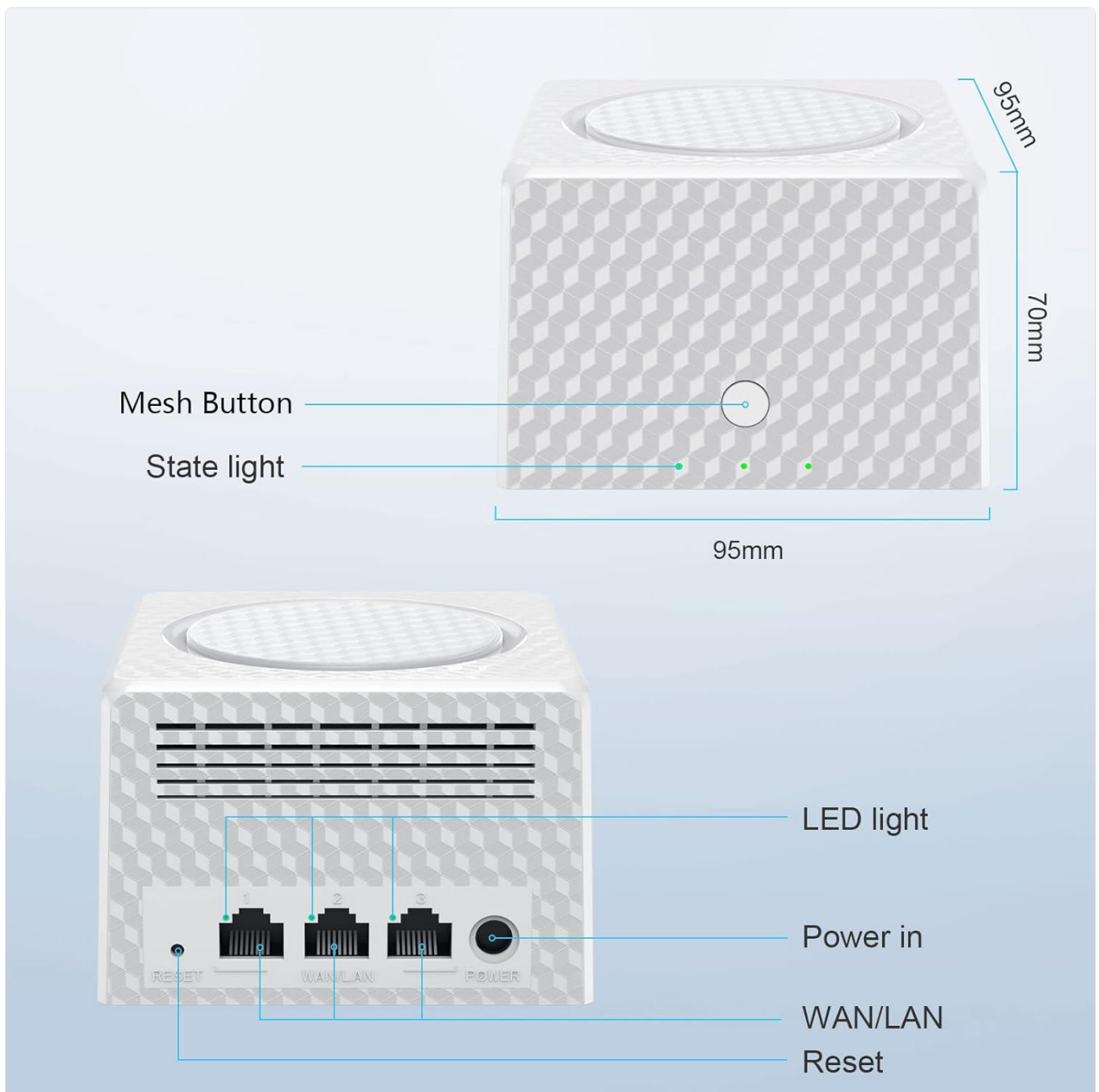


Image: A detailed diagram illustrating the physical layout of the URANT UMS16 mesh unit. It highlights the dimensions (95mm x 95mm x 70mm), the front-facing mesh button and state lights, and the rear panel with LED light, power input, and WAN/LAN/Reset ports.

### Unit Features:

- **Mesh Button:** Located on the front, used for pairing additional mesh units.
- **State Lights (LEDs):** Indicate the operational status of the unit.
- **WAN/LAN Ports:** Multiple Ethernet ports on the rear for connecting to your modem or wired devices.
- **Reset Button:** A small button for factory resetting the device.
- **Power In:** Port for connecting the power adapter.

## SETUP GUIDE

### Initial Setup (Main Unit)

Follow these steps to set up your primary URANT UMS16 mesh unit:

1. **Connect the Main Unit:** Place one URANT UMS16 unit near your modem. Connect one end of the provided Ethernet cable to the WAN/LAN port on the mesh unit and the other end to your modem's LAN port.
2. **Power On:** Connect the power adapter to the mesh unit's power input and plug it into an electrical outlet. Wait for the unit's indicator lights to stabilize, indicating it's ready.
3. **Download the App:** Search for the "Deco" app (or specified URANT app if different) on your smartphone's app store (iOS or Android). Install and open the app.
4. **Follow In-App Instructions:** The app will guide you through creating your new mesh network, including setting up a WiFi name (SSID) and password. It may also prompt you to update firmware.

## Expanding Coverage (Adding Additional Units)

To extend your WiFi coverage, add the remaining URANT UMS16 units to your mesh network:

# EXTEND HOME WIFI COVERAGE

## Using The Same WiFi Name



### Easy Installation & Quick Positioning

-  1 Press the Repeater's M Button
-  2 Press the Router's M Button
-  3 Place the Repeater in desired location

*Image: A visual guide demonstrating how to expand your home WiFi coverage. It shows a main router connected to one mesh unit, and another mesh unit being added. The steps involve pressing the 'M' button on the repeater, then on the router, and finally placing the repeater in its optimal location.*



1. **Power On Additional Units:** Place the second and third URANT UMS16 units in desired locations within your home, ensuring they are within range of the main unit or another connected mesh unit. Plug them into power outlets.
2. **Initiate Pairing:** On one of the new units (repeater), press its Mesh Button (often labeled 'M' or a circular button on the front). The indicator light will typically start blinking.
3. **Pair with Main Unit:** Within a short timeframe (usually 2 minutes), press the Mesh Button on your main URANT UMS16 unit. The units will attempt to pair automatically.
4. **Verify Connection:** Once successfully paired, the indicator light on the new unit will turn solid, indicating a stable connection to the mesh network. Repeat for any remaining units.

## One Key Network Automatically



*Image: A close-up view of a hand pressing the central button on the URANT UMS16 mesh unit, labeled "One Key Network Automatically." This button facilitates quick and automatic network setup and expansion.*

## Network Management

Your URANT UMS16 mesh system can be managed conveniently through the dedicated mobile application. This app allows you to:

- View connected devices and their status.
- Set up parental controls and guest networks.
- Prioritize devices for optimal performance.
- Perform firmware updates.
- Integrate with voice assistants like Alexa for simple commands (e.g., turning guest WiFi on/off).

## Seamless Roaming

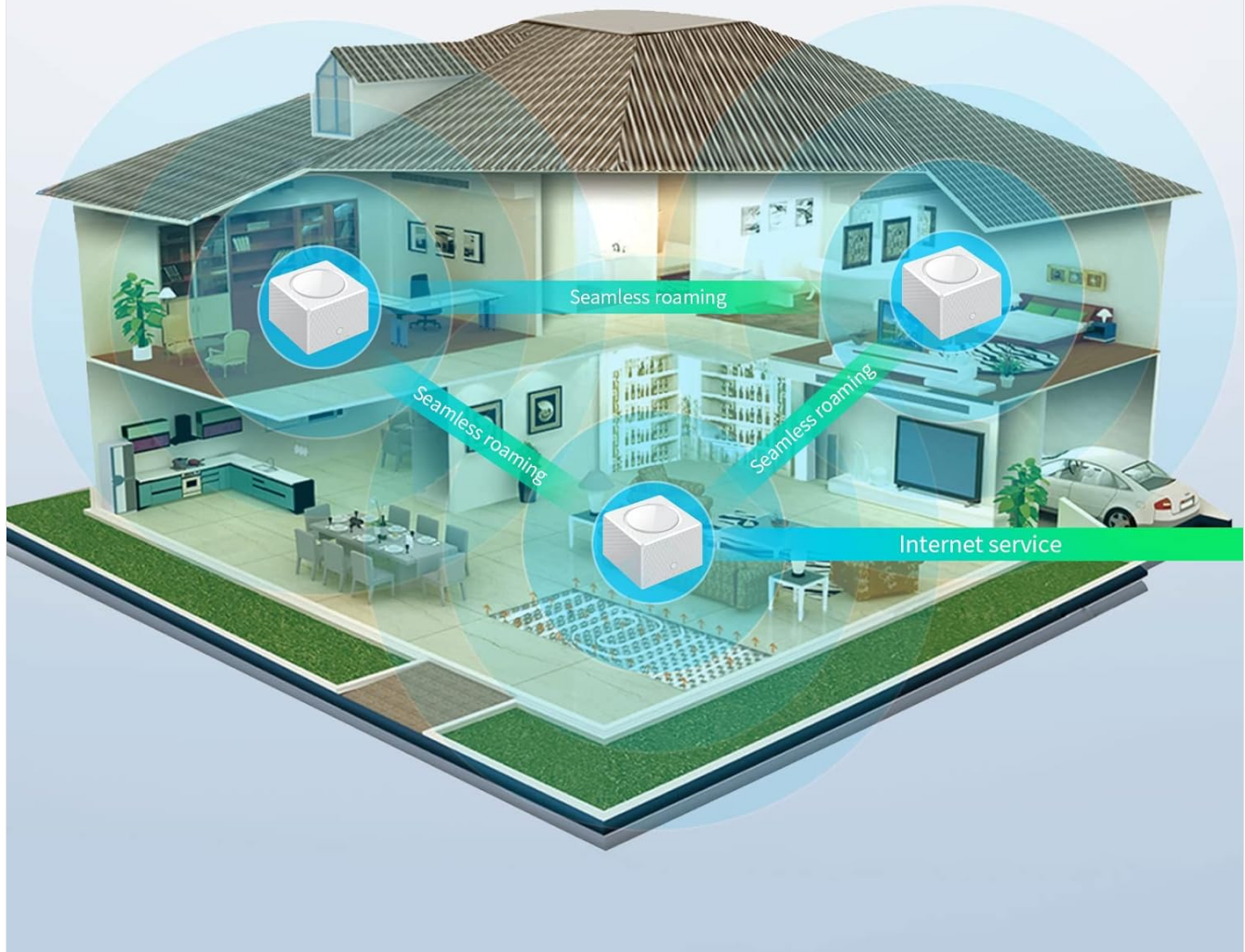
The URANT UMS16 system creates a single, unified WiFi network name (SSID) throughout your home. This means your devices will automatically switch to the strongest signal as you move from room to room, without requiring manual reconnection or experiencing drops.



Image: A comparative diagram illustrating the benefit of seamless roaming. The top half shows a single, unified WiFi network (e.g., "MayWiFi") providing consistent coverage across an entire floor. The bottom half depicts a traditional setup with multiple WiFi

# Expandable whole home mesh network

Replace existing router and extender for whole home coverage



*Image: An architectural rendering of a multi-story house, demonstrating how three URANT mesh WiFi units are strategically positioned to create an expandable whole-home mesh network. Arrows indicate seamless roaming between units, ensuring consistent internet service throughout the residence.*

## MAINTENANCE

To ensure optimal performance and longevity of your URANT UMS16 Mesh WiFi System, consider the following maintenance tips:

- **Firmware Updates:** Regularly check for and install firmware updates via the mobile app. Updates often include performance improvements, security patches, and new features.
- **Placement:** Ensure units are placed in open areas, away from obstructions like large metal objects, thick walls, or other electronic devices that may cause interference.
- **Cleaning:** Periodically clean the exterior of the units with a soft, dry cloth. Avoid using liquid cleaners or



abrasive materials. Ensure ventilation slots are clear of dust.

- **Power Cycle:** If you experience minor network issues, try power cycling your mesh units (unplug them from power for 10 seconds, then plug them back in).

## TROUBLESHOOTING

If you encounter issues with your URANT UMS16 Mesh WiFi System, refer to the following common troubleshooting steps:

Problem	Possible Solution
No Internet Connection	<ul style="list-style-type: none"><li>◦ Check if your modem is working correctly.</li><li>◦ Ensure the Ethernet cable from the modem to the main mesh unit is securely connected.</li><li>◦ Power cycle both your modem and the main mesh unit.</li><li>◦ Verify your ISP connection is active.</li></ul>
Poor WiFi Signal / Dead Zones	<ul style="list-style-type: none"><li>◦ Relocate mesh units closer to each other or to the areas with weak signals.</li><li>◦ Ensure units are not obstructed by large furniture or electronics.</li><li>◦ Check for firmware updates via the app.</li></ul>
Unable to Pair Additional Units	<ul style="list-style-type: none"><li>◦ Ensure both units are powered on and within range.</li><li>◦ Press the Mesh Button on the repeater first, then on the main unit within the specified time frame.</li><li>◦ If issues persist, try resetting the repeater unit to factory defaults before attempting to pair again.</li></ul>
Login/Password Issues	<ul style="list-style-type: none"><li>◦ Ensure you are using the correct WiFi password for your network.</li><li>◦ For router login, refer to the default credentials in the manual or on the unit's label (e.g., <i>admin</i> / <i>12345678</i>). Change these defaults for security.</li><li>◦ If you forgot your router login, a factory reset may be necessary (this will erase all settings).</li></ul>

If these steps do not resolve your issue, please contact URANT customer support for further assistance.

## TECHNICAL SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	UMS16
Dimensions (per unit)	3.74 x 3.74 x 2.76 inches (95 x 95 x 70 mm)
Weight (per unit)	11.9 ounces (338 Grams)
Frequency Band Class	Tri-Band (2.4 GHz, 5 GHz-1, 5 GHz-2, 6 GHz)
Wireless Standard	IEEE 802.11ax/ac/n/a (5 GHz), IEEE 802.11n/b/g (2.4 GHz), IEEE 802.11ax (6 GHz)
Connectivity Technology	Wi-Fi, Ethernet
Ports	WAN/LAN Gigabit Ethernet Ports
Special Features	WPS, AI-Driven Mesh, Parental Controls, Guest Network, Alexa Compatibility
Recommended Use	Home Network Coverage
Manufacturer	shenzhenyoulanteerkeji
First Available	April 17, 2023

## WARRANTY AND SUPPORT

URANT products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period.

For technical support, troubleshooting assistance, or warranty claims, please contact URANT customer service through the following channels:

- **Website:** Visit the official URANT website for FAQs, support resources, and contact forms.
- **Email:** Refer to your product packaging or the URANT website for customer support email addresses.
- **Phone:** Check the URANT website for regional support phone numbers.

When contacting support, please have your product model (UMS16) and purchase information ready.