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URMET 1745/21

URMET Synthesi CCD + MHP 1T Video Module 1745/21 Instruction Manual

Model: 1745/21

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the URMET Synthesi CCD + MHP 1T Video Module, model 1745/21. This video module is designed for 4+N cable systems and features an integrated micro-HP amplifier, two call buttons, manual adjustment capabilities, and infrared illumination for enhanced visibility.

PRODUCT OVERVIEW



Figure 1: URMET Synthesi Video Module 1745/21 as supplied in its original packaging, showing the front panel design.



Figure 2: Contents of the URMET Synthesi Video Module package, including the module, wiring accessories, and instruction leaflets.

SETUP AND INSTALLATION

The URMET Synthesi 1745/21 video module is designed for 5-wire installations without the need for a coaxial cable.

Proper installation is crucial for optimal performance. It is recommended that installation be performed by a qualified technician.

Component Identification



Figure 3: Front panel of the video module, highlighting the CCD camera lens, infrared illumination LEDs, microphone/speaker grille, and two call buttons.



Figure 4: Rear view of the video module, displaying the terminal block for wiring connections and potentiometers for manual adjustments (e.g., audio levels, camera focus).

Wiring Instructions

Connect the module using a 4+N cable system. Refer to the detailed wiring diagram provided in the separate installation

guide (typically included with the product or available from URMET). Ensure all connections are secure and correctly polarized. The module integrates a micro-HP amplifier, simplifying audio connections.

Mounting

Mount the module securely in the designated Synthesi frame. Ensure it is protected from direct weather exposure if installed outdoors, or use an appropriate weather-resistant housing.

OPERATING INSTRUCTIONS

The URMET Synthesi 1745/21 video module provides visual and audio communication for your intercom system.

Making a Call

Press one of the two call buttons on the front panel (refer to Figure 3) to initiate a call to the corresponding indoor unit. The integrated micro-HP amplifier ensures clear audio transmission.

Video and Audio Communication

Once a call is established, the CCD camera provides video feed to the indoor monitor. The integrated microphone and speaker facilitate two-way audio communication. Infrared illumination automatically activates in low-light conditions to ensure clear video even at night.

Adjustments

The module features manual adjustment options, typically accessible via potentiometers on the rear (refer to Figure 4). These adjustments may include camera focus, video brightness, and audio volume levels. Consult the detailed wiring and adjustment guide for specific procedures.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your URMET Synthesi video module.

Cleaning

- Gently wipe the front panel, especially the camera lens and infrared LEDs, with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the surface or optical components.
- Ensure no moisture enters the module's internal components.

Inspections

- Periodically check all wiring connections for tightness and signs of corrosion.
- Ensure the module is securely mounted and that its housing is intact.

TROUBLESHOOTING

If you encounter issues with your URMET Synthesi video module, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No video on indoor monitor	<ul style="list-style-type: none"> Loose video wiring connection. Insufficient power supply. Camera fault. 	<ul style="list-style-type: none"> Check all video signal wires for secure connections. Verify power supply to the module and system. Contact URMET support if wiring and power are confirmed good.
No audio or poor audio quality	<ul style="list-style-type: none"> Loose audio wiring connection. Microphone or speaker obstruction. Audio level adjustment. 	<ul style="list-style-type: none"> Check audio wiring. Ensure microphone and speaker grilles are clear of debris. Adjust audio potentiometers on the rear of the module (Figure 4).
Call buttons not responding	<ul style="list-style-type: none"> Incorrect wiring for call buttons. Button malfunction. 	<ul style="list-style-type: none"> Verify call button wiring according to the installation diagram. If wiring is correct, the button may require replacement.
Poor image quality at night	<ul style="list-style-type: none"> Infrared LEDs obstructed or faulty. Camera lens dirty. 	<ul style="list-style-type: none"> Clean the camera lens and infrared LEDs. Ensure no physical obstructions are blocking the LEDs.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact URMET technical support.

SPECIFICATIONS

Feature	Detail
Manufacturer	URMET
Part Number	1745/21
Product Dimensions	0.03 x 0.03 x 0.03 cm; 9.07 g
ASIN	B00LPDRU7M
Batteries Required	No
First Available Date	21 February 2020
System Compatibility	4+N Cable System, 5-wire installation (no coaxial cable)
Features	Integrated micro-HP amplifier, 2 call buttons, manual adjustment, infrared illumination

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact URMET directly. URMET provides technical support for their products.

For technical assistance, spare parts, or further inquiries, please visit the official URMET website or contact their customer service department. Ensure you have your product model number (1745/21) and purchase details available when seeking

support.

