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› Urmet 1745-81 Sinthesi Module Instruction Manual

Urmet 1745/81

Urmet 1745-81 Sinthesi Module Instruction Manual

PRODUCT OVERVIEW

The Urmet Sinthesi Module 1745-81 is a sophisticated unit designed for coaxial systems, featuring an integrated BN 50 Hz pickup unit, a call button, and an external location. This module is equipped with removable trolley clamps and a BN camera with an illumination group, making it suitable for various intercom applications.

Its robust design ensures reliable performance, even in low-light conditions, thanks to its IR LED illumination group. The camera's tilting capability provides flexibility in capturing the caller's image.



Figure 1: Front view of the Urmet 1745-81 Sinthesi Module, showing the speaker grille, camera lens, nameplate, and call button.

KEY FEATURES

- Integrated BN 50 Hz pickup unit.
- Removable trolley clamps for easy installation.

- BN camera with IR LED illumination group for optimal low-light performance.
- Tilting camera (V +10° - 15°; H + 10° -10°).
- 4+n external post and a single call button.
- Homogeneous amber LED backlighting for the button.

INSTALLATION AND SETUP

The Sinthesi module is designed for straightforward installation within coaxial systems. Ensure all power is disconnected before beginning the installation process.

1. **Mounting:** Secure the module in the desired external location. The dimensions are equivalent to a standard Sinthesi module (90 x 90 mm).
2. **Wiring:** Connect the coaxial cable to the video input. Utilize the removable trolley clamps for connecting the 4+n external post wiring.
3. **Power Connection:** Connect the camera power (16-23 Vdc) and the phonic section power (6 Vdc $\pm$ 1 V).
4. **Camera Adjustment:** After power-up, adjust the camera's tilt (vertical +10° to -15°, horizontal +10° to -10°) to achieve the optimal viewing angle of the caller.

OPERATION

Operating the Urmet Sinthesi Module is simple and intuitive.

- **Making a Call:** Press the single call button located on the module's front panel. The button features amber LED backlighting for visibility.
- **Video Capture:** The integrated BN CCD 1/3 camera will automatically activate upon a call. The IR LED illumination group ensures clear video capture even in low-light conditions.
- **Audio Communication:** The phonic section allows for two-way audio communication. Adjustments for external and internal channel volume are available (max external > 96 dB; max internal > 100 dB).

MAINTENANCE

To ensure the longevity and optimal performance of your Urmet Sinthesi Module, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the front panel, especially the camera lens and speaker grille, with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Inspection:** Periodically check all connections for tightness and signs of wear. Ensure the module is securely mounted.
- **Environmental Protection:** While the module has an IP42 protection rating, avoid exposing it to extreme weather conditions or direct water jets.

TROUBLESHOOTING

If you encounter issues with your Urmet Sinthesi Module, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No video signal	Loose coaxial cable connection; Insufficient camera power; Camera malfunction.	Check coaxial cable and power connections; Verify power supply voltage; Contact support if issue persists.
No audio communication	Loose phonic section wiring; Incorrect audio level settings.	Check phonic section wiring; Adjust audio levels (external/internal channels).
Call button not responding	Faulty button; Wiring issue.	Inspect button for physical damage; Check wiring to the call button.

TECHNICAL SPECIFICATIONS

Parameter	Value
Model Number	1745/81
Manufacturer	URMET
Product Dimensions	9 x 9 x 3 cm
Item Weight	1 Kilogram
Camera Type	BN CCD 1/3
Camera Tilting Range (Vertical)	+10° to -15°
Camera Tilting Range (Horizontal)	+10° to -10°
Max Absorption	250 mA
Video Output	1 Vpp ± 10% impedance 75Ω
Vertical Frequency	50Hz ± 1%
Horizontal Frequency	15625Hz ± 1%
Camera Power Supply	16 - 23 Vdc
Phonic Section Power Supply	6 Vdc ± 1 V
Phonic Section Absorption (Rest)	< 15 mA
Phonic Section Absorption (Active)	< 80 mA
External Channel Phonic Adjustment	Max > 96 dB
Internal Channel Phonic Adjustment	Max > 100 dB
Nameplate Card Dimensions	12.5 x 67 mm
Protection Degree (IP)	IP42

Parameter	Value
Frontal Treatment	Anodized Aluminum

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

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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