

Urmet 1122601

Urmet 1122/601 Intercom Kit 4+N Single and Two-Family User Manual

Model: 1122601

1. INTRODUCTION

1.1 Product Overview

The Urmet 1122/601 Intercom System is designed for both single-family and two-family homes, providing reliable audio communication and door access control. This 4+N wire system includes a MIKRA outdoor call button unit and a MIRO' Mod. 1150 indoor intercom unit.

Key features include:

- Intercom system for single and two-family dwellings.
- MIKRA outdoor call button unit and MIRO' Mod. 1150 indoor intercom unit.
- Extra button on the indoor unit for controlling a second auxiliary service.
- Capability to connect up to two intercom systems in parallel.
- Electronic call tone.
- Outdoor unit prepared for two independent calls.

1.2 Package Contents

Please verify that all components are present in the package:

- 1 x MIKRA Outdoor Call Button Unit
- 1 x MIRO' Mod. 1150 Indoor Intercom Unit
- 1 x Power Supply Unit (12V DC output, 230V AC 50Hz input)
- Mounting Screws and Wall Plugs
- User Manual (this document)



Figure 1: Main components of the Urmet 1122/601 Intercom System, including the indoor handset, outdoor call panel, and power supply unit.

2. SAFETY INFORMATION

Read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Disconnect power at the main circuit breaker before performing any wiring or maintenance.
- Do not expose the units to water or excessive humidity.
- Do not attempt to open or repair the units yourself. Refer all servicing to qualified personnel.
- Ensure proper grounding for all electrical connections.
- Keep packaging materials out of reach of children.

3. SETUP AND INSTALLATION

3.1 Wiring Diagram (4+N System)

The Urmet 1122/601 uses a 4+N wire system. A detailed wiring diagram is typically provided with the product packaging. Ensure correct polarity and secure connections for all wires.

Key Wiring Considerations:

- **Power Supply:** Connect the 230V AC 50Hz mains power to the input terminals of the provided power supply unit. The power supply outputs 12V DC for the intercom system.
- **Outdoor Unit (MIKRA):** Connect the 4+N wires from the outdoor unit to the designated terminals on the indoor unit and power supply. The outdoor unit is designed for two independent calls.
- **Indoor Unit (MIRO' Mod. 1150):** Connect the 4+N wires from the outdoor unit and power supply to the indoor unit. This unit also has an extra button for an auxiliary service.
- **Maximum Distance:** The maximum recommended distance between the outdoor unit and the indoor intercom unit is 300 meters.

3.2 Mounting the Outdoor Unit

The MIKRA outdoor unit has dimensions of H x W x D 185 x 99 x 22 mm. The nameplate dimensions are 26 x 55 mm (h x w) with white LED backlighting. It has an IP44 protection rating, suitable for outdoor installation.

1. Choose a suitable location near the entrance, at a height that allows comfortable use for all users.
2. Mark the drilling points using the unit as a template.
3. Drill holes and insert wall plugs.
4. Feed the necessary wiring through the wall to the unit's connection points.
5. Secure the outdoor unit to the wall using the provided screws.
6. Connect the wires according to the wiring diagram.
7. Ensure the nameplate is correctly inserted and visible.



Figure 2: Detailed view of the Urmet MIKRA outdoor call button unit, showing the call button and illuminated nameplate area.

3.3 Mounting the Indoor Unit

The MIRO' Mod. 1150 indoor unit is designed for wall mounting.

1. Select a convenient indoor location, typically near the main entrance or in a central living area.
2. Mark drilling points and prepare the wall.
3. Connect the 4+N wires from the outdoor unit and power supply to the indoor unit's terminals.
4. Mount the indoor unit securely to the wall.

4. OPERATING INSTRUCTIONS

4.1 Receiving a Call

When a visitor presses the call button on the outdoor unit, the indoor unit will produce an electronic call tone. Lift the handset to establish communication with the visitor.

4.2 Speaking to a Visitor

After lifting the handset, speak clearly into the microphone and listen for the visitor's response through the earpiece.

4.3 Opening the Door (if connected)

If an electric door lock release is connected to the system, press the designated door release button on the indoor unit to unlock the door for the visitor.

4.4 Using the Auxiliary Button

The MIRO' Mod. 1150 indoor unit features an additional button. This button can be configured to control a second auxiliary service, such as a gate opener, an additional light, or another compatible device. Refer to your installer or the specific wiring diagram for details on connecting and operating this auxiliary function.

4.5 Parallel Intercom Systems

The system supports connecting up to two intercom systems in parallel. This allows for multiple indoor units to receive calls and communicate with the outdoor unit. Consult the detailed wiring diagram for parallel connection instructions.

5. MAINTENANCE AND CARE

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

- **Cleaning:** Wipe the indoor and outdoor units with a soft, damp cloth. Do not use abrasive cleaners, solvents, or strong chemicals, as these can damage the finish.
- **Outdoor Unit:** Periodically check the outdoor unit for any debris or obstructions around the call button and speaker/microphone areas.
- **Connections:** Do not attempt to open the units. If you suspect a loose connection or internal issue, contact a qualified technician.
- **Environmental Conditions:** While the outdoor unit has an IP44 rating, extreme weather conditions (e.g., heavy snow, direct prolonged sunlight) may affect its performance over time.

6. TROUBLESHOOTING

If you encounter issues with your Urmet intercom system, try the following basic troubleshooting steps:

Problem	Possible Cause	Solution
No call tone from indoor unit.	No power to the system; loose wiring; faulty outdoor unit button.	Check power supply connection and mains power. Verify all wiring connections. If problem persists, contact support.
No audio communication.	Loose wiring; faulty indoor or outdoor unit.	Ensure handset is properly seated. Check all wiring connections.
Door release not working.	Incorrect wiring to door lock; faulty door lock; faulty button on indoor unit.	Verify wiring to the door lock. Check the door lock mechanism.
Outdoor unit nameplate not illuminated.	LED failure; power issue.	Check system power. If LEDs are faulty, contact support.

If the problem persists after attempting these solutions, please contact Urmet customer support or a qualified technician.

7. SPECIFICATIONS

Feature	Detail
Product Model	1122/601
System Type	4+N Wires (Mono and Bifamiliare)
Power System	12 V DC (from external power supply)
Mains Power Supply	230 V AC 50 Hz
Max. Distance (Outdoor to Intercom)	300 m
Outdoor Unit Dimensions (H x W x D)	185 x 99 x 22 mm
Nameplate Dimensions (H x W)	26 x 55 mm
Nameplate Backlighting	White LEDs
Protection Rating (Outdoor Unit)	IP44
Material Type	Acrylonitrile Butadiene Styrene (ABS)
Color	White
Manufacturer	URMET
First Available Date	21 February 2020

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact your retailer. Urmet products are typically covered by a manufacturer's warranty against defects in materials and workmanship. For technical support, spare parts, or service inquiries, please contact Urmet customer service or your local authorized Urmet distributor. You may need to provide your product model number (1122/601) and date of purchase.

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