COMELIT KCA5061

COMELIT Single-Family Door Intercom System KCA5061 User Manual

Model: KCA5061

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your COMELIT Single-Family Door Intercom System, model KCA5061. Please read this manual carefully before installation and use to ensure proper functionality and safety. Keep this manual for future reference.

PACKAGE CONTENTS

The COMELIT KCA5061 kit includes the following components:

- **1x Art. CA5100P:** CIAO button panel for 1/2/4 keys.
- **1x Art. 2702W:** MINI intercom handset with 2 buttons.
- **1x Art. CA9210:** 2 double-height buttons for CIAO panel.
- **1x Art. CA9211:** 4 single buttons for CIAO panel.
- **1x Art. CA9213:** 1 large button for CIAO panel.
- **1x Art. 1200:** Transformer 12 VAC, 230 VAC input.
- Required traditional 4+N wiring components.

Image: The COMELIT KCA5061 Single-Family Door Intercom System, showing the outdoor call panel with a nameplate and the indoor handset unit.

SAFETY INFORMATION

Please observe the following safety precautions:

- Installation should only be performed by qualified personnel.
- Disconnect power before performing any wiring or maintenance.
- Ensure all wiring complies with local electrical codes and regulations.
- Do not expose the outdoor unit to extreme temperatures or direct water spray beyond its IP54 rating.
- Keep the product away from children.

INSTALLATION AND SETUP

1. Wiring (Traditional 4+N System)

The system uses traditional 4+N wiring. Refer to the wiring diagram provided with your product for specific connections. General connections include:

- **Power Supply:** Connect the 12 VAC transformer (Art. 1200) to the main power supply (230 VAC input) and to the outdoor unit.
- **Audio Lines:** Connect the audio lines (microphone and speaker) between the outdoor unit (CA5100P) and the indoor handset (2702W).
- **Call Buttons:** Connect the call buttons (CA9210, CA9211, CA9213) to the outdoor unit.
- **Door Release:** If applicable, connect the door release mechanism to the appropriate terminals on the outdoor unit or handset.

Terminal Connections (CA5100P): S4, S3, S2, S1, 4, S, COM, 3, 2, ~, ~, ~.

2. Mounting the Outdoor Unit (CA5100P)

1. Choose a suitable location near the entrance, protected from direct heavy rain if possible, at an accessible height.
2. Mount the wall bracket (if separate) securely to the wall using appropriate screws and anchors.
3. Connect all necessary wiring to the terminals on the back of the outdoor unit.
4. Attach the outdoor unit to the wall bracket.
5. Insert the desired nameplate(s) into the designated slot(s). The unit supports 1, 2, or 4 buttons.

3. Mounting the Indoor Handset (2702W)

1. Select a convenient indoor location, typically near the main entrance.
2. Mount the handset's wall plate securely.
3. Connect the 4+N wiring from the outdoor unit to the corresponding terminals on the handset.
4. Secure the handset onto its wall plate.

OPERATION

1. Receiving a Call

- When a visitor presses the call button on the outdoor unit, the indoor handset will ring.
- Lift the handset to answer the call and establish two-way communication.

2. Speaking to a Visitor

- Speak clearly into the handset's microphone.
- The outdoor unit's speaker will transmit your voice to the visitor.

3. Opening the Door (if connected)

- Press the designated door release button on the indoor handset (typically one of the two buttons on the 2702W model) to unlock the connected door or gate.

4. Adjustments (CA5100P Outdoor Unit)

- **Speaker Volume:** The outdoor unit allows for adjustment of the speaker volume. Refer to the unit's internal controls for this setting.
- **Backlight Brightness:** The blue LED backlight for the nameplates can also be adjusted for brightness.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the surfaces of both the outdoor and indoor units. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check all wiring connections for security and signs of wear.
- **Nameplate Replacement:** To change the nameplate, carefully remove the cover of the outdoor unit and replace the insert.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from outdoor unit speaker.	Loose wiring, speaker volume too low, faulty speaker.	Check wiring connections. Adjust speaker volume on the outdoor unit. Contact support if speaker is faulty.
Indoor handset does not ring.	No power, loose wiring, faulty call button.	Verify power supply to the transformer. Check all wiring. Inspect call button for damage.
Door release not working.	Incorrect wiring, faulty door release mechanism, insufficient power.	Check door release wiring. Ensure the door release mechanism is functional. Verify power supply.
Backlight not working.	Backlight brightness set too low, faulty LED.	Adjust backlight brightness. Contact support if LED is faulty.

SPECIFICATIONS (CA5100P OUTDOOR UNIT)

- **Type:** Monoblock
- **Product Height:** 170.94 mm
- **Product Width:** 98.55 mm
- **Product Depth:** 28.45 mm
- **Product Color:** Grey RAL 9006
- **Mounting:** Wall-mounted
- **Compatible Systems:** Traditional 4+N
- **Microphone:** 4 mm diameter, omnidirectional
- **Speaker:** 50 mm diameter, 50 Ohm, 0.25 W
- **Power Type:** External power supply
- **Voltage:** 12 V AC
- **Absorption (Standby):** 1.3 W
- **Maximum Absorption:** 12.5 W
- **Call Mode:** Mechanical buttons
- **Number of Buttons:** 0 (expandable with CA9213, CA9210, CA9211)
- **Backlight Color:** Blue
- **Terminals:** S4 S3 S2 S1 4 S COM 3 2 ~ ~ ~
- **Removable Terminals:** Yes
- **Adjustments:** Speaker volume, backlight brightness
- **Protection Class:** IP54
- **Vandal Protection:** IK08
- **Operating Temperature:** -25 °C to +55 °C
- **Humidity (Max):** 25% to 75%
- **Environmental Class:** III
- **Certifications:** RoHS II - 2011/65/UE (EN 50581:2012), EMC 2014/30/UE (EN 61000-6-1:2007, EN 61000-6-3:20)

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official COMELIT website. For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact COMELIT customer service.
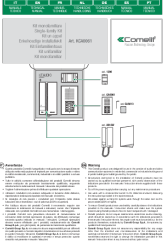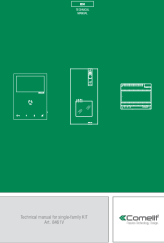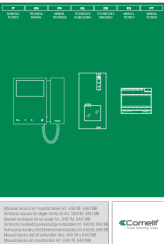**Manufacturer:** COMELIT

Model Number: KCA5061

Related Documents - KCA5061

[Comelit KCA0061 Single-Family Audio/Video Intercom System - Technical Manual](#)
Technical manual for the Comelit KCA0061 single-family audio/video intercom system, detailing installation, components, and operating guidelines for associated products like the Art. 1200 power supply and Art. 2812W handset.

[Comelit 8461V Technical Manual: Installation and Operation Guide](#)
Comprehensive technical manual for the Comelit 8461V single-family door entry kit. Covers installation, configuration, operation, and wiring diagrams for the Comelit Quadra series video intercom system.

[Comelit Quadra Mini 8461M/8461MB Single-Family Intercom Kit Technical Manual](#)
Technical manual for the Comelit Quadra Mini 8461M and 8461MB single-family intercom kits, covering installation, operation, and technical specifications.

[Comelit Adam-Mini KVA2101 Video Intercom System Installation & Technical Manual](#)
Detailed installation guide and technical specifications for the Comelit Adam-Mini KVA2101 audio/video intercom system. Includes wiring diagrams, programming instructions, and operating distances for Simplebus 2 systems.

[Comelit Logos Video Intercom Systems: Features, Installation, and Technology](#)
Explore the Comelit Logos series of advanced video intercom systems. Discover features like NFC configuration, WiFi connectivity, robust design, and user-friendly interfaces for residential and commercial applications.

[Comelit Venice 6814B/6814W ViP System Technical Manual](#)

Comprehensive technical manual for the Comelit Venice 6814B and 6814W ViP system door entry monitor. Covers product specifications, features, installation guide, configuration wizard, and detailed wiring diagrams for various system variants.