

Bticino 364211

Bticino 364211 2-Wire Hands-Free Audio Intercom Kit Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Bticino 364211 2-Wire Hands-Free Audio Intercom Kit. This system is designed for residential use, offering a reliable and convenient way to manage door entry.

The kit includes an ultra-flat Linea 2000 outdoor unit with an illuminated nameplate, a hands-free indoor unit, and a 3-DIN module power supply. The system operates on a 2-wire BUS technology, simplifying installation.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by qualified personnel in accordance with local electrical codes and regulations. Disconnect power before performing any installation or maintenance.
- **Environmental Protection:** The outdoor unit has an IP54 rating, providing protection against dust and splashing water. However, avoid direct high-pressure water jets.
- **Component Handling:** Handle all components with care to prevent damage. Do not expose units to extreme temperatures or humidity.
- **Modifications:** Do not attempt to modify or repair the system components yourself. Contact qualified service personnel for assistance.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Linea 2000 Outdoor Unit (with illuminated nameplate)

- 1 x Hands-Free Indoor Unit
- 1 x 3-DIN Module Power Supply
- Mounting screws and accessories
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

4.1. General Wiring Principles (2-Wire BUS)

The Bticino 364211 system utilizes a 2-wire BUS connection for communication and power between the outdoor unit, indoor unit, and power supply. Ensure correct polarity when connecting the wires.



Figure 1: Typical 2-wire BUS wiring diagram. Consult the detailed diagram provided with your product for specific connections.

4.2. Outdoor Unit Installation (Linea 2000)

The Linea 2000 outdoor unit is designed for surface mounting. Its dimensions are 176x98x31mm. It features an illuminated nameplate.

1. Choose a suitable mounting location at an accessible height, protected from direct heavy rain if possible, though the unit is IP54 rated.
2. Mark the drilling points using the mounting template (if provided) or the unit itself.
3. Drill holes and insert wall plugs.
4. Connect the 2-wire BUS cables to the designated terminals on the outdoor unit. Ensure secure connections and correct polarity.
5. Mount the outdoor unit securely to the wall using the provided screws.
6. Insert the nameplate with your desired text into the designated slot. The nameplate will be illuminated when the system is powered.

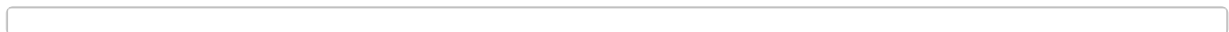


Figure 2: Bticino Linea 2000 Outdoor Unit.

4.3. Indoor Unit Installation

The hands-free indoor unit has dimensions of 124x128x27mm and includes two dry contacts for additional functions.

1. Select an indoor location for the unit, typically near the main entrance or in a central living area.
2. Mark and drill mounting holes.
3. Connect the 2-wire BUS cables to the indoor unit's terminals. Observe polarity.
4. If utilizing the two dry contacts for additional functions (e.g., secondary door release, auxiliary light control), connect the corresponding wiring to these terminals. Refer to the specific wiring diagram for these functions.
5. Mount the indoor unit securely to the wall.



Figure 3: Bticino Hands-Free Indoor Unit.

4.4. Power Supply Installation

The kit includes a 3-DIN module power supply.

1. Install the power supply in a suitable electrical distribution board or enclosure, typically on a DIN rail.
2. Connect the main power supply (e.g., 230V AC) to the designated input terminals of the power supply unit.
3. Connect the 2-wire BUS output from the power supply to the main BUS line that connects to the outdoor and indoor units.
4. Ensure all connections are tight and properly insulated.



Figure 4: Bticino 3-DIN Module Power Supply.

5. OPERATING INSTRUCTIONS

5.1. Answering a Call

When a visitor presses the call button on the outdoor unit, the indoor unit will ring. To answer the call, press the designated 'Answer' button on the indoor unit. This will establish two-way audio communication.

5.2. Opening the Door

During an active conversation or after answering a call, press the 'Door Release' button on the indoor unit to activate the electric door lock (if connected). The door will unlock for a short period, allowing the visitor to enter.

5.3. Adjusting Volume

If your indoor unit features volume control, locate the volume adjustment buttons or dial. Adjust the listening and speaking volume to a comfortable level during a call.

6. MAINTENANCE

- **Cleaning:** Clean the outdoor and indoor units periodically with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically check all wiring connections for tightness and signs of corrosion, especially for the outdoor unit.
- **Nameplate:** Ensure the outdoor unit's nameplate is clean and legible.
- **Environmental Check:** Ensure the outdoor unit's seals are intact to maintain its IP54 rating.

7. TROUBLESHOOTING

If you encounter issues with your Bticino 364211 intercom kit, refer to the following common problems and solutions:

- **No Power to System:**
Check: Ensure the power supply unit is receiving mains power and its output connections are secure. Verify circuit breakers.
- **No Audio (Indoor or Outdoor Unit):**

Check: Verify all 2-wire BUS connections for correct polarity and secure contact. Ensure no wires are cut or short-circuited. Check volume settings on the indoor unit.

- **Outdoor Unit Not Calling Indoor Unit:**

Check: Ensure the call button on the outdoor unit is functioning correctly. Verify BUS connections.

- **Door Not Opening:**

Check: Ensure the electric door lock is correctly wired to the indoor unit's dry contacts (if used) or the main BUS system. Verify the door release button is functioning. Check the power supply to the door lock mechanism.

- **Intermittent Operation:**

Check: Loose connections, damaged wiring, or interference. Inspect all wiring and connections.

If the problem persists after performing these checks, contact qualified technical support.

8. SPECIFICATIONS

- **Model Number:** 364211
- **Manufacturer:** Legrand (Bticino is a brand of Legrand)
- **System Type:** 2-Wire BUS Audio Intercom
- **Outdoor Unit:** Linea 2000, Ultra-flat, Illuminated Nameplate, IP54 rated
- **Outdoor Unit Dimensions (L x W x H):** 176 x 98 x 31 mm
- **Indoor Unit:** Hands-free, 2 Dry Contacts for additional functions
- **Indoor Unit Dimensions (L x W x H):** 124 x 128 x 27 mm
- **Power Supply:** 3-DIN Module
- **Product Dimensions (Kit, L x W x H):** 28.7 x 25 x 7.7 cm
- **Product Weight:** 40 grams
- **Color:** White (Indoor Unit)

9. WARRANTY AND SUPPORT

This Bticino product is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical support, spare parts, or service inquiries, please contact your local Bticino distributor or authorized service center. Ensure you have your model number (364211) and proof of purchase available when contacting support.