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› Byron DIC-21525 Wireless Audio Doorbell - 2 Apartments Instruction Manual

## Byron DIC-21525

# Byron DIC-21525 Wireless Audio Doorbell - 2 Apartments Instruction Manual

Model: DIC-21525

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## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Byron DIC-21525 Wireless Audio Doorbell system for two apartments. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

The Byron DIC-21525 is a wireless audio intercom system designed for small apartment groups or homes, offering two-way communication, adjustable volume, and multiple melodies. It supports door opening functionality if connected to an electric door opener.

## 2. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Outdoor Unit (Doorbell Panel)
- 2 x Indoor Units (Receivers)
- 1 x Power Adapter for Indoor Unit
- Mounting Plate for Outdoor Unit
- Screws and Plugs for installation
- Instruction Manual (this document)



Figure 2.1: Overview of the Byron DIC-21525 system components and key features.

### 3. SETUP AND INSTALLATION

#### 3.1 Outdoor Unit Installation

The outdoor unit is weather-resistant (IP44 rated) and designed for outdoor placement. It features an illuminated doorbell button and a nameplate.

1. **Choose Location:** Select a suitable location near your entrance, ensuring it is easily accessible for visitors and within the wireless range of the indoor units (up to 125m in open field).
2. **Mounting:** Use the provided mounting plate, screws, and plugs to securely attach the outdoor unit to a wall or door frame. Ensure it is mounted at an appropriate height for all users.
3. **Power Supply:** The outdoor unit can be powered by batteries (not included) or via existing 2-wire doorbell wiring.
  - **Battery Power:** Insert the required batteries into the outdoor unit. (Note: Door opening function is not available when using battery power only).
  - **Wired Power:** Connect the outdoor unit to existing 2-wire doorbell wiring (8-24V DC). Always check your existing wiring for compatibility. This method enables the electric door opener function.

4. **Nameplate:** Insert your name(s) into the illuminated nameplate slot.



**Figure 3.1:** Outdoor unit with illuminated button and IP44 weather resistance.



**Figure 3.2:** User interacting with the outdoor unit.

### 3.2 Indoor Unit Placement

The slim indoor units can be placed anywhere within your apartment, provided they are within range of the outdoor unit.

1. **Power Supply:** Connect each indoor unit to a power outlet using the provided adapter.
2. **Placement:** Position the indoor units in locations where the doorbell chime can be easily heard. Avoid placing them near large metal objects or other electronic devices that might interfere with the wireless signal.



**Figure 3.3:** Indoor unit discreetly placed on a shelf.

### **3.3 Pairing (if necessary)**

The units are typically pre-paired. If pairing is required or if you add additional units:

1. Refer to the specific pairing instructions in the full manual (not provided in this summary). Generally, this involves a pairing button on both units.

# SET ESPANDIBILE

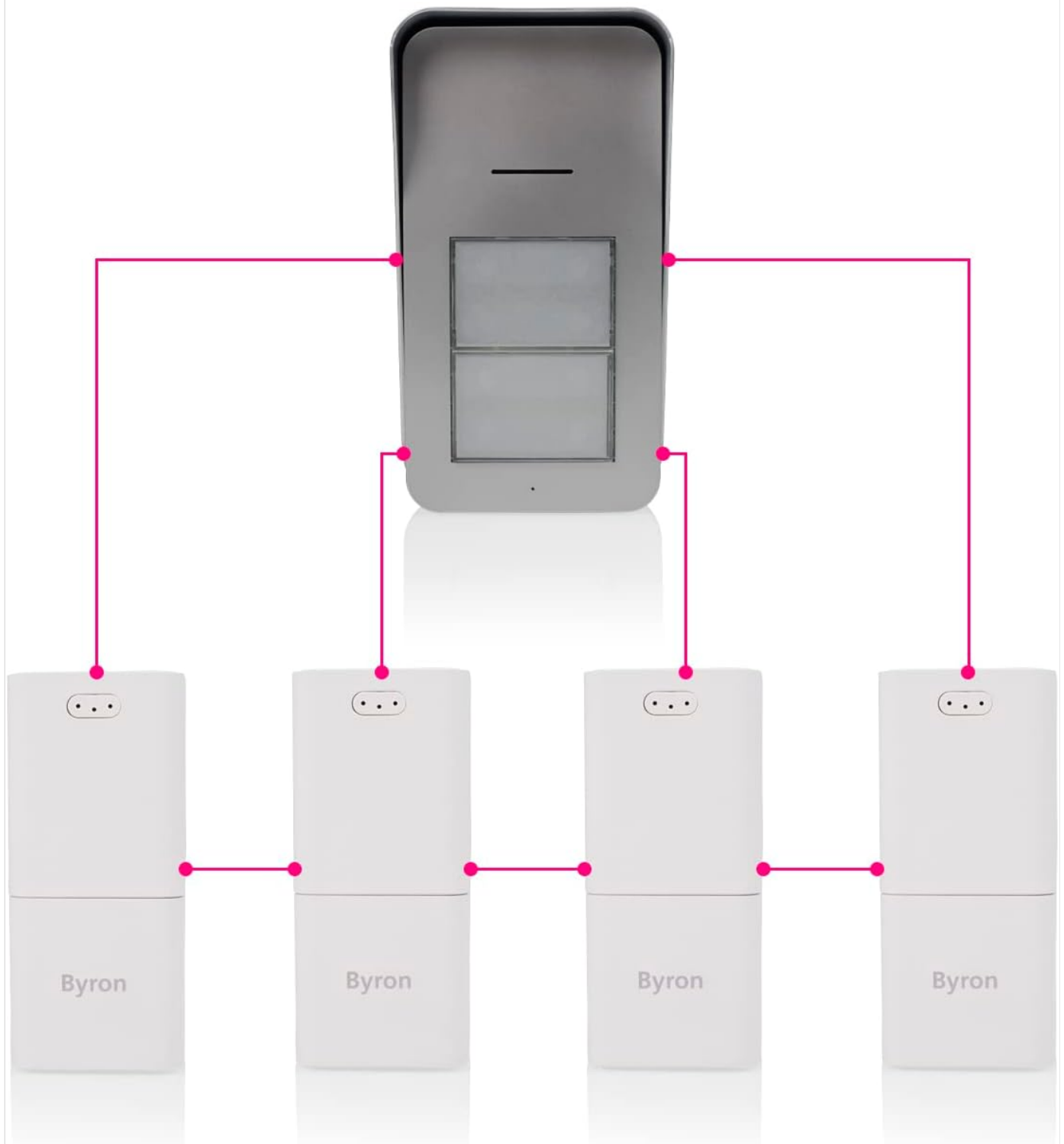


Figure 3.4: The system is expandable, allowing connection to multiple indoor units.

## 4. OPERATING INSTRUCTIONS

### 4.1 Receiving a Call

1. When a visitor presses a doorbell button on the outdoor unit, the corresponding indoor unit(s) will chime.
2. To answer the call, press the talk button on the indoor unit. You can now engage in two-way audio communication with the visitor.

3. To end the conversation, press the talk button again or the call will automatically end after a set period.

## 4.2 Adjusting Volume and Melody

Each indoor unit allows for customization of its chime settings.

- **Volume Control:** The indoor unit has 5 volume levels, up to 80 dB. Use the volume buttons to adjust the sound level to your preference.
- **Melody Selection:** Choose from 15 available melodies. Refer to your indoor unit's specific buttons for melody selection.



Figure 4.1: Indoor unit sound level (80 dB) and outdoor unit IP44 rating.

## 4.3 Door Opening Function (Optional)

If the outdoor unit is wired to an electric door opener (and powered via 2-wire connection), you can unlock the door from the indoor unit.

1. During an active conversation (after pressing the talk button), press the door unlock button on the indoor unit.

2. The electric door opener will activate, allowing the visitor to enter.
3. **Note:** This function is only available when the outdoor unit is powered via a wired connection (8-24V DC) and the indoor unit is in "off-hook" mode (active conversation).

## 5. MAINTENANCE

- **Cleaning:** Clean the outdoor and indoor units with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement (Outdoor Unit):** If the outdoor unit is battery-powered, replace batteries when the low battery indicator appears or performance degrades. Use the recommended battery type.
- **Regular Checks:** Periodically check the mounting of the outdoor unit to ensure it remains secure.

## 6. TROUBLESHOOTING

| Problem   | Possible Cause  | Solution   |
|---|---|--|
| No sound from indoor unit when doorbell is pressed. | <ul style="list-style-type: none"> <li>◦ Indoor unit not powered.</li> <li>◦ Volume too low.</li> <li>◦ Units out of range or interference.</li> <li>◦ Outdoor unit batteries depleted (if applicable).</li> <li>◦ Units not paired.</li> </ul> | <ul style="list-style-type: none"> <li>◦ Ensure indoor unit is plugged in and powered.</li> <li>◦ Increase volume on indoor unit.</li> <li>◦ Relocate indoor unit closer to outdoor unit; avoid obstructions.</li> <li>◦ Replace batteries in outdoor unit.</li> <li>◦ Refer to pairing instructions.</li> </ul> |
| Poor audio quality.                                 | <ul style="list-style-type: none"> <li>◦ Interference.</li> <li>◦ Units too far apart.</li> </ul>   | <ul style="list-style-type: none"> <li>◦ Move indoor unit away from other electronic devices.</li> <li>◦ Reduce distance between units.</li> </ul>   |
| Door opening function not working.                  | <ul style="list-style-type: none"> <li>◦ Outdoor unit on battery power.</li> <li>◦ Not in active conversation.</li> <li>◦ Incorrect wiring to electric door opener.</li> </ul>  | <ul style="list-style-type: none"> <li>◦ Ensure outdoor unit is wired (8-24V DC).</li> <li>◦ Press talk button to initiate conversation before pressing unlock.</li> <li>◦ Verify wiring connections to the electric door opener.</li> </ul>   |

## 7. SPECIFICATIONS

- **Model:** DIC-21525
- **Brand:** Byron
- **Type:** Wireless Audio Intercom System (2 Apartments)
- **Wireless Frequency:** 868 MHz
- **Wireless Range:** Up to 125 meters (open field)
- **Outdoor Unit Power:** Batteries (not included) or 2-wire (8-24V DC)
- **Indoor Unit Power:** Mains adapter (included)
- **Volume Levels:** 5 (up to 80 dB)
- **Melodies:** 15 selectable
- **Weather Resistance (Outdoor Unit):** IP44
- **Dimensions (Outdoor Unit):** Approximately 16.5 cm (H) x 9 cm (W) x 5 cm (D)

- **Dimensions (Indoor Unit):** Approximately 11 cm (H) x 5 cm (W) x 5 cm (D)
- **Included Components:** 2 x Indoor unit, 1 x Outdoor unit, 1 x Adapter, Mounting plate, Screws and plugs, Manual

## 8. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Byron website. Keep your proof of purchase for warranty claims.

**Manufacturer:** Byron

