

Byron DIC-23312

Byron DIC-23312 WiFi Video Intercom System User Manual

Model: DIC-23312 | Brand: Byron

1. INTRODUCTION

Thank you for choosing the Byron DIC-23312 WiFi Video Intercom System. This manual provides detailed instructions for the installation, operation, and maintenance of your new intercom system. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The Byron DIC-23312 offers advanced features including a 7-inch HD touchscreen, smartphone connectivity, RFID keyless entry, night vision, and recording capabilities, enhancing your home security and convenience.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of this product involves electrical wiring. For safety and proper functionality, it is highly recommended to seek assistance from a qualified electrician.
- **Pre-Installation Testing:** Before permanent installation, connect the entire kit and test its functionality (e.g., on a kitchen table). This helps identify and resolve potential issues early.
- **Cable Thickness:** The thickness of connection cables is critical for proper operation. Using cables thinner than specified in the manual may lead to malfunctions. Whenever possible, use the original connection cables provided.
- **Power Source:** Ensure the intercom system is connected to a stable DC power source as specified.
- **Outdoor Unit:** The outdoor unit is splash-resistant, but it should not be submerged in water.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Indoor Unit (7-inch HD Touchscreen Monitor)
- Outdoor Unit (Doorbell Camera with RFID reader)
- Mounting Hardware (screws, wall plugs)
- Connection Cables (if included)
- RFID Tags/Cards
- User Manual (this document)

4. PRODUCT OVERVIEW

4.1 Indoor Unit



Image: The Byron DIC-23312 indoor monitor unit (left) displaying a visitor, alongside the outdoor doorbell unit (right) featuring a camera, call button, and RFID reader.

- **7-inch HD Touchscreen:** For viewing visitors and navigating menus.
- **Integrated SD Recorder:** Supports image recording of visitors.
- **Wi-Fi Connectivity:** Connects to your home network for smartphone integration.
- **Speaker and Microphone:** For two-way communication.

4.2 Outdoor Unit



Image: A person interacting with the Byron DIC-23312 outdoor unit, pressing the call button or using an RFID tag.

- **Camera with Night Vision:** Provides clear video day and night.
- **Call Button:** For visitors to alert residents.
- **RFID Reader:** For keyless entry using RFID tags.
- **Splash-Resistant Casing:** Designed for outdoor use.

5. SETUP AND INSTALLATION

5.1 Wiring and Mounting

Important: As noted in the safety section, professional installation is highly recommended due to the electrical wiring involved. Ensure power is disconnected before beginning any wiring.

1. **Pre-Test:** Connect all components (indoor unit, outdoor unit, power supply) on a flat surface to verify functionality before mounting.
2. **Mount Outdoor Unit:** Choose a suitable location near your entrance, ensuring clear camera view and easy access for visitors. Use the provided mounting hardware to secure the outdoor unit.

3. **Mount Indoor Unit:** Select a convenient indoor location, typically near your main entrance or in a central area. Secure the indoor unit using the provided mounting hardware.
4. **Connect Wiring:** Follow the detailed wiring diagram provided in the separate installation guide (if applicable) or consult a professional electrician. Ensure correct polarity and secure connections for power, video, and audio signals between the indoor and outdoor units.
5. **Power On:** Once all connections are secure, restore power to the system.

5.2 Micro SD Card Installation



Image: A hand carefully inserting a Micro SD card into the designated slot on the intercom unit, enabling recording functionality.

To enable visitor image recording, insert a Micro SD card (not included) into the designated slot on the indoor unit. Ensure the card is inserted correctly until it clicks into place. The system will automatically detect and format the card if necessary.

5.3 App Setup (BYhome App)

The Byron DIC-23312 can connect to your smartphone via the "BYhome" app (available for iOS and Android) for remote access and control.

1. **Download App:** Search for "BYhome" in your smartphone's app store and install it.
2. **Create Account:** Open the app and follow the on-screen instructions to create a new user account.
3. **Connect to Wi-Fi:** On the indoor unit's touchscreen, navigate to the Wi-Fi settings and connect it to your 2.4 GHz home Wi-Fi network (802.11b/g/n). The system has a Wi-Fi range of approximately 10 meters.
4. **Pair Device:** Follow the app's instructions to pair your intercom system with your smartphone. This usually involves scanning a QR code displayed on the indoor unit or entering a device ID.

6. OPERATING INSTRUCTIONS

6.1 Answering a Call

- When a visitor presses the call button on the outdoor unit, the indoor unit will ring and display the visitor's image.
- On the indoor unit's touchscreen, tap the "Answer" button to initiate two-way communication.
- If you are away, your smartphone will receive a notification via the BYhome app. Open the app to see and speak with your visitor remotely.

6.2 Door Opening Function

If an electric door opener is connected to your system, you can open the door:

- From the indoor unit's touchscreen during a call.
- Remotely via the BYhome app during a call.

6.3 RFID Keyless Entry

The outdoor unit features an RFID reader for convenient keyless entry.

- **Programming RFID Tags:** Refer to the indoor unit's menu for instructions on how to program the included RFID tags/cards. This typically involves placing the tag near the reader while in programming mode.
- **Using RFID:** To unlock the door, simply present a programmed RFID tag to the RFID reader on the outdoor unit. The door will unlock for a short period.

6.4 Night Vision

The outdoor unit's camera automatically activates night vision in low-light conditions, ensuring clear visibility of visitors even in complete darkness.

6.5 Recording Visitors

With a Micro SD card installed, the system can record images of visitors.

- The system can be configured to automatically record an image when the doorbell is pressed.
- Recorded images can be reviewed on the indoor unit's touchscreen or potentially through the BYhome app.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the indoor and outdoor units. Avoid abrasive cleaners or solvents.
- **Outdoor Unit:** Periodically check the outdoor unit for any obstructions to the camera lens or call button.
- **Software Updates:** Check the BYhome app or the indoor unit's settings for available firmware updates to ensure optimal performance and security.
- **SD Card Management:** Regularly review and delete old recordings from the Micro SD card to prevent it from

becoming full.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image/sound on indoor unit.	Loose wiring, no power, incorrect cable thickness.	Check all wiring connections. Ensure power supply is active. Verify cable thickness meets specifications.
Cannot connect to Wi-Fi/App.	Incorrect Wi-Fi password, 5GHz network, out of range.	Ensure correct 2.4 GHz Wi-Fi network is selected. Re-enter password. Move indoor unit closer to router or use a Wi-Fi extender.
RFID tags not working.	Tags not programmed, faulty tag.	Ensure RFID tags are correctly programmed through the indoor unit's menu. Try a different tag if available.
Poor night vision quality.	Obstructed camera lens, excessive ambient light.	Clean the camera lens. Ensure no strong light sources are directly facing the camera at night.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Byron customer support.

9. SPECIFICATIONS







Feature	Detail
Model	DIC-23312
Brand	Byron
Indoor Unit Display	7-inch HD Touchscreen (720p)
Power Source	DC
Voltage	15 Volts
Connectivity	Wi-Fi 802.11b/g/n (2.4 GHz)
Wi-Fi Range	Approx. 10 meters
Recording	Integrated SD recorder for image recording (Micro SD card not included)
Keyless Entry	RFID (Radio-Frequency Identification)
Night Vision	Yes
Outdoor Unit Material	Aluminum
Outdoor Unit Protection	Splash-resistant
Dimensions (L x W x H)	18 x 130 x 130 mm (likely for one unit, e.g., outdoor unit)
Included Components	Indoor unit, outdoor unit, mounting hardware

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official Byron website. If you require technical assistance or have questions regarding your Byron DIC-23312 system, please contact Byron customer support through their official channels.

Online Resources: For additional support, FAQs, and product registration, please visit the [Byron official website](#).

Related Documents - DIC-23312

	<p>Byron DIC-215 Range Wireless Audio Doorphone Installation and Usage Guide</p> <p>Comprehensive guide for installing and using the Byron DIC-215 Range Wireless Audio Doorphone, covering box contents, electrical connections, pairing, and daily operation.</p>
	<p>Byron DIC-215 Range Wireless Audio Doorphone Installation and User Guide</p> <p>Comprehensive guide for installing and using the Byron DIC-215 Range Wireless Audio Doorphone, covering setup, pairing, and daily operation.</p>
	<p>Byron DIC-215 Range Wireless Audio Doorphone Installation and User Guide</p> <p>Comprehensive guide for installing and using the Byron DIC-215 Range Wireless Audio Doorphone, including box contents, parts description, electrical installation, pairing, and operational features.</p>
	<p>Byron DBY-22317UK B317 Twinpack Plug-Through Wireless Doorbell Set Installation and Features</p> <p>Comprehensive guide for the Byron DBY-22317UK B317 Twinpack Plug-Through Wireless Doorbell Set, covering setup, installation, features, and troubleshooting. Learn how to pair multiple chimes and understand the product's specifications.</p>
	<p>Byron DBY-21132/DB132 Plug-In Wireless Doorbell Set - Installation and User Guide</p> <p>Comprehensive guide for setting up, installing, and troubleshooting the Byron DBY-21132/DB132 Plug-In Wireless Doorbell Set. Includes features, pairing instructions, and technical specifications.</p>
	<p>Byron DBY-22324 B324 Plug-in Wireless Doorbell Set: Installation and Pairing Guide</p> <p>Comprehensive guide for setting up, installing, and pairing the Byron DBY-22324 B324 plug-in wireless doorbell set. Includes features, troubleshooting, and technical specifications.</p>