Byron DIC-22815 Doorbell Intercom System Instruction Manual

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Byron
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Byron DIC-22815 Doorbell Intercom System

Specifications

- Model: DIC-22815
- Indoor Unit (Monitor)
- Outdoor Unit (Doorbell)

Product Information

Installation Safety

1. Keep children and bystanders away during installation to avoid distractions.
2. Avoid overreaching during installation to maintain proper footing and balance for better control in unexpected situations.

Parts Description
The package includes components for both the indoor unit (monitor) and outdoor unit (doorbell).

What’s in the Box

- Indoor unit
- Outdoor unit

Installation

Placing the Indoor Unit (Monitor)
Follow the provided guidelines to correctly position the indoor unit for optimal performance..

FAQ

Q: Can I install the outdoor unit without professional help?
A: While it is possible to install the outdoor unit yourself, we recommend seeking professional assistance to ensure correct installation and functionality.

Q: How do I troubleshoot if the indoor unit is not displaying properly?
A: Check the power source, connections, and settings of both units. If issues persist, refer to the troubleshooting section of the manual or contact customer support for assistance.

Safety

1. Please read these instructions carefully before installing and using the product.
2. Do not cut the power supply cable to extend it; the device (transformer) will not work with a longer cable. Do not plug in the device until all the wiring has been finished.

INSTALLATION SAFETY

1. Keep children and bystanders away while installing the products. Distractions can cause you to lose control.
2. Do not overreach when installing this product. Keep proper footing and balance at all times. This enables better control in unexpected situations.
3. This product is not a toy. Mount it out of reach of children.

OPERATION SAFETY

1. Do not operate electrically powered products in explosive atmospheres, such as in the presence of flammable liquids , gases, or dust. Electrically powered products create sparks which may ignite the dust or fumes.
2. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
3. Do not expose the Power Adapter of this product to rain or wet conditions. Water entering the Power Adapter will increase the risk of electric shock.
4. Do not abuse the Power Cord. Never use the cord for unplugging the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. The adapter must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce risk of electric shock.

Parts description

WHAT'S IN THE BOX

1. Indoor unit (monitor)
2. Outdoor unit (doorbell)
3. Mounting plate (outdoor unit)
4. Battery (indoor unit)
5. Battery (outdoor unit)
6. Micro USB AC adapter (indoor unit)
7. Manual
8. Screws and plugs

PRODUCT OVERVIEW

Indoor unit (monitor)

1. Screen
2. Power on/off
3. Power indicator
4. Charge indicator
5. Interface buttons
6. Microphone
7. AC adapter

Outdoor unit (doorbell)

1. Microphone
2. Night sensor
3. Outdoor camera
4. Call button
5. External antenna connection (On the back of the unit)
6. Reset button (On the back of the unit)

Installation

PLACING THE INDOOR UNIT (MONITOR)
The indoor unit (monitor) is designed to stand on a table or any flat surface.

- A. Pull out the stand leg on the back of the indoor unit.
- B. Pull the antenna on the back of the indoor unit to an upright position.
- C. Place on any flat surface.

MOUNT THE OUTDOOR UNIT (DOORBELL)

To mount the outdoor unit, you will need the following tools:

- A suitable screwdriver for the included screws.
- A drill and suitable drill bit for the included screw plugs.
- Position the provided mounting plate where desired.
- Mark the screw positions with a pen.
- Drill the necessary holes.
- Insert the plugs.
- Use a knife or sharp object to puncture the cable gland. (Optional, only when installing the AC Power. Cables are not included.)
- Pull the required cables through the cable gland. (Optional, only when installing the AC Power. Cables are not included.)
- Fasten the mounting plate with the screws.
- Remove the front cover of the outdoor unit by removing the screw at the bottom.
- Attach the outdoor unit to the mounting plate.

- Fasten the outdoor unit with the supplied screws.
- Charge the battery (see 3.3.3) and place the battery in the outdoor unit.
- Place the front cover and fasten the screw at the bottom of theoutdoor unit to secure the cover.

ELECTRICAL INSTALLATION

Connecting a door lock (not included)
It is possible to connect a lock to the outdoor unit that can be opened, using the monitor.Door locks are sold separately. Article no: DB5005 DB5005L

To connect the door lock, you will need the following tool:

- A small flat head screw driver.
- On the outdoor unit: Loosen the terminal screws. (see sticker on the outdoor unit for position)
- Insert the wires (See sticker on the outdoor unit for position)
- Fasten the terminal screws.
- On the lock: Loosen the 2 terminal screws.
- Insert the wires (any order)
- Fasten the terminal screws.

Connecting a gate opener (not included)
It is possible to connect a gate opener to the outdoor unit that can beopened using the indoor unit (monitor).
To connect the gate opener, you will need the following tool:

- A small flat head screw driver.
- On the outdoor unit: Loosen the terminal screws. (see sticker on the outdoor unit for position)
- Insert the wires. (see sticker on the outdoor unit for position)
- It is important that the + and – wires are in the correct position.
- Fasten the terminal screws.
- On the gate opener: (See the manual provided with your gate opener.)

Connecting the external antenna (not included)
The internal antenna is sufficient in most cases but can be extended using the external antenna.

Basic functions

CONTROL BUTTONS

1. Intercom / monitor button
2. Unlock buttons
3. Menu / OK button
4. Up button / photo or recorder button
5. Direction buttons (down, left and right)
6. Call button / pair button

SCREEN ICONS

1. Wi-Fi signal strength
2. SD card inserted
    - Outdoor unit powered by battery
    - Outdoor unit powered by power adapter
3. Video recording
    - Picture captured
4. Indoor unit powered by battery
    - indoor unit powered by power adapter
5. Time and date
    - Charge the battery immediately when the icon indicates a low battery level.

SETTINGS MENU
In the standby mode, first press the intercom/monitor button and then the ok/menu button to open the main menu. Use the directional keys to navigate through the different settings. Press the ok/menu button to select the highlighted submenu.

1. Camera pairing
2. Image setting
3. Volume control
4. Music setting
5. Play back
6. Rec/snap
7. Time setting
8. Unlock time setting
9. Exit

ANSWERING A CALL
When the doorbell rings, you can:

- Press the camera button to make a video or take a picture.
- Press the lock button to open the door (optional).
- Press the gate button to open the gate (optional).
- Press the talk button to talk to your visitor.

PAIRING THE INDOOR/OUTDOOR UNITS

Before you can use the product, the indoor and outdoor units need to be paired. Follow below procedure for pairing.

- Press the power button on the indoor unit until the LED turns on.
- Press the menu button.
- Select the pairing icon.
- Press the ok/menu button to confirm.
- Press left/right button to select the doorbell/monitor icon.
- Press the ok/menu button to confirm.

- On the screen you will see that the indoor unit is now in pairing mode. Press the doorbell button for a couple of seconds and the outdoor and indoor unit will now be paired.

PAIRING AN ADDITIONAL MONITOR (NOT INCLUDED)
An additional monitor (DIC-22805) can be connected to the system.
To link this to the system, follow the steps below:

- Power on the indoor unit that already has been successfully paired with the outdoor unit and enter the pairing interface.
- Use the left or right button to select the (1) icon.
- Press the menu/ok button to confirm.
- Power on the additional monitor and enter the pairing interface.
- Use the left or right button to select the (2) icon.
- Press the menu/ok button to confirm.

IMAGE SETTING
The image settings available consist of:

1. Brightness setting
2. Contrast setting
3. Color setting

- To change the image settings when using the outdoor unit on battery, you first need to press the doorbell to have the image on your monitor:
- Use the arrow keys to select one of the available settings.
- Press the menu button to confirm.
- Use the arrow keys to adjust the setting.
- Press the menu button to confirm.
- Use the arrow keys to select exit.
- Press the menu button to confirm.

VOLUME CONTROL
The volume settings available consist of:

1. Speaker volume
2. Microphone volume
3. To change the volume settings:

- Use the arrow keys to select one of the available settings.
- Press the menu button to confirm.
- Use the arrow keys to adjust the setting.
- Press the menu button to confirm.
- Use the arrow keys to select exit.
- Press the menu button to confirm.

RING TONE SETTING

- With the arrow keys, select the music icon and press menu/ok button.
- Select one of the 52 different tunes and press menu/ok button to confirm.

PLAY BACK RECORDINGS

- Use the arrow keys to select the play back icon and press menu/ ok.
- Use the arrow keys to select the video or photo icon.
- Press the menu/ok button.
- Press the up and down button to select folder.
- Press right button to access the selected folder.
- Use up and down arrow buttons to select file.
- Show the marked file with the right button.
- Press the up and down buttons to show next or previous files on screen.
- To go back one step in the menu, use the left button.

Delete folder or file

- When pressing the ok button on a selected folder or file a submenu of the delete option will pop-up.
- Select yes or no with the left or right button.
- When yes is selected and after confirmation with the ok button, the file or folder will be deleted.

RECORDING VIDEOS/PHOTOS

- The system automatically records a video or takes a photo when the call button is pressed.
  An SD card (not included) is required for storing video, photos are stored on the monitor.
  A. Press the direction buttons to select the rec/snap icon and press the ok button to confirm.

In the submenu there are 3 options:

1. Taking a photo
2. Recording a video
3. Exit

- Use the arrow keys to select the desired function and press menu/ok button to confirm.

Manually record a video or photo.

- In the talk state, press the up button to start recording a video or take a photo.
- Press up button again to stop recording.
- When power is supplied to the outdoor unit, first press the monitor button and then press the up button to take a picture or start recording.
- Press the up button again to stop.

TIME SETTING

- Use the arrow keys to select the time setting icon
- Press menu/ok to confirm.
- Press left/right buttons to select the setting you want to change.
- Press up/down buttons to adjust.
- Press menu/ok to confirm.

UNLOCK TIME SETTING
This setting defines the duration of which the door lock stays unlocked after pressing the “open door lock button”

- Use the arrow keys to select the unlock time icon ,
- Press menu/ok to confirm.
- Use the left/right button to select between 100mS, 1S, 5S or 10S.
- Confirm and exit by pressing the menu/ok button.

Cleaning and maintenance

- Clean the outside of the appliance with a soft and slightly moistened cloth.

Do not use any carboxylic cleaning agents or petrol, alcohol or similar. These attack the surfaces of the devices. Besides, the vapors are hazardous to your health and explosive. Do not use any sharp edged tools, screw drivers, metal brushes or similar for cleaning.

Frequently asked questions

Problem	Solution
• The indoor unit does not switch on.	• Make sure that the monitor is connected to the pow er source. • Make sure the adapter plug is properly pushed in to the power outlet.
• The ring tone volume is too low.	• Perhaps you extended the cable. Extending the cab le can reduce the volume due to being too long or t oo thin.
• I connected the indoor unit to a lock but it does not work.	• Check if the lock is connected properly and that a s uitable lock with an external power source is used.

• I hear interference on the line.	• Move other electronics away from the unit to minimize interference.
• There is no sound between the outdoor unit and the indoor unit.	• The microphone may be obstructed. Clean the microphone. • Check that the cables are connected and fastened properly.
• I cannot talk or see video when I press the intercom button.	• When the outdoor unit is used on battery, you can only talk or see the video feed when the doorbell is pressed. This is for battery capacity reasons.

Technical Data

The appliance is suitable for domestic use only.

General	Operating Frequency	2400-2483.5MHz
	Transmission rate	15~25fps(only effective distance)
	Unobstructed effective range	200m
	TX power	14~18dBm
	RX sensitivity	-85dBm
	Operating temperature	Max 50°C
	Storage temperature	-20°C ~ +60°C
	Operating humidity	<85%RH
	Sensor type	CMOS
Outdoor camera	View angle	About 85°
	Supply voltage	DC/AC 8~24V (battery: 3.7V/2000mAH 18650)
	Consumption current	300±50mA
	Screen size	4,3 inch (diagonal)
	Resolution	480×272(RGB)
	Supply voltage	DC 5V/1A (battery: 3.7V/1500mAH)

Indoor monitor	Consumption current	350±50mA
	Charging time	<2 hours
	Image format	JPEG
	Video format	AVI
	SD card	SDHC 2GB-32GB

Environment

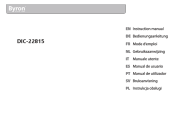
This appliance should not be put into the domestic garbage at the end of its durability, but must be offered at a central point for the recycling of electric and electronic domestic appliances. This symbol on the appliance, instruction manual and packaging puts your attention to this important issue. The materials used in this appliance can be recycled. By recycling of used domestic appliances you contribute an important push to the protection of our environment. Ask your local authorities for information regarding the point of recollection.

Support
You can find all available information and spare parts at **www.chbyron.eu**
Please read manual before use, and store it carefully for future use and maintenance.
You can also check out our YouTube videos by scanning the QR code below with your phone!

Declaration of Conformity

Hereby, Smartwares Europe declares that the radio equipment type DIC-22815 is in compliance with Directive 2014/53/EU
The full text of the EU declaration of conformity is available at the following internet address:
www.chbyron.eu/doc

Documents / Resources

	**Byron DIC-22815 Doorbell Intercom System** [pdf] Instruction Manual DIC-22815 Doorbell Intercom System, DIC-22815, Doorbell Intercom System, Intercom System, System

References

- By **Byron | Door entry specialist - Opening doors for over 100 years**
- By **Declaration of Conformity | Byron**
- **User Manual**

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