RC-2/RC-2L
Dual-Bay Charging Dock/Dual-Bay Networked Charging Dock

RELACART®

01 SAFETY WARNING

Only use the specified external power adapter (DC 12V/1A; when connecting multiple charging docks in series, power requirements: 12V/4.7A max). It is strictly prohibited to use power sources that do not match the voltage or current specifications to avoid short circuits or device damage.
Do not install transmitters with non-rechargeable batteries into the charging dock, as this may lead to device malfunction or safety hazards.
The device should be used within the specified operating temperature range (-18°C~50°C/0°F~122°F) and should not be operated in humid, dusty, high-temperature, sun-exposed, or flammable environments.
Do not disassemble, strike, or modify the charging dock to prevent electric shock or device damage; children should be kept away from the charging dock under adult supervision to avoid accidental operation.
If any abnormal heating or odor occurs during charging, immediately disconnect the power, stop using it, and contact customer service.
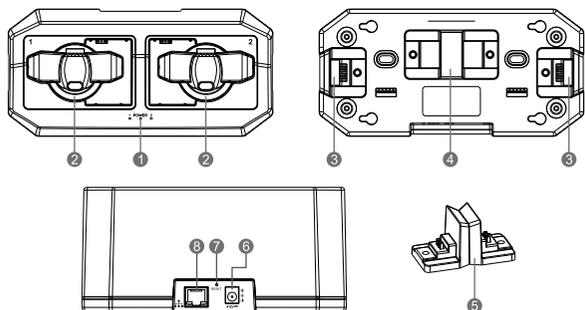
02 PRODUCT OVERVIEW

1. Product Introduction

The RC-2/RC-2L Dual-Bay networked charging dock is designed for charging needs, simultaneously charging two RB-FW50 batteries or any combination of UH-280 (handheld mic), UT-280 (bodypack), BG-24H (handheld mic), and BG-24T (bodypack) wireless transmitters. The RC-2L charging dock supports network connectivity, allowing remote monitoring of charging status; up to four charging docks can be cascaded, sharing a single power source and ethernet connection, saving space and reducing cable clutter.

2. Key Features

· Dual-slot charging: Supports mixed charging of two RB-FW50 batteries or specified wireless transmitter models.
· Series expansion: Up to 4 charging docks can be connected in series to share power and network, adapting to multi-device charging scenarios.
· Intelligent indicators: LED lights clearly display power status, charging progress, and fault prompts.
· Network monitoring: Supports remote viewing of charging status and configuration of network parameters via 10/100 Mbps Ethernet connection.
· Flexible addressing: The network supports DHCP to automatically obtain or manually assign IP addresses.

03 COMPONENT FUNCTION DESCRIPTION

❶ Power status indicator: Displays power status: Red = Power on.
❷ Charging slots (2): for holding RB-FW50 batteries or specified model wireless transmitters, with charging status indicator lights.
❸ Charging dock cascade interface: used for connecting multiple charging docks in series, requires charging dock connector and screws for fixing.
❹ Charging dock connector slot: Used to store the charging dock connector for easy storage.
❺ Charging dock connector: A connector used to connect multiple charging docks in series to share power and network.
❻ DC IN power socket: Connect an external DC 12V power adapter.
❼ Reset hole: Used to restore factory settings (including network settings). Press and hold for 5 seconds to reset the device.
❽ Ethernet port (RC-2L only): Connects the network cable and supports remote monitoring and parameter configuration (10/100 Mbps).
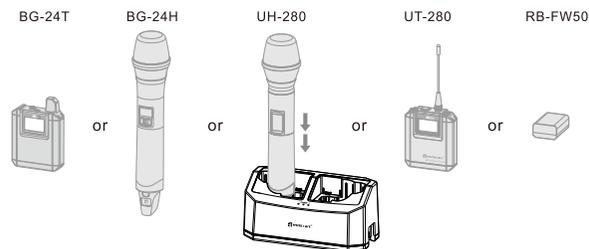
04 USER GUIDE

1. Steps for using a single charging dock

(1) Connect the power supply and the network

1. Insert the DC plug of the external DC 12V power adapter into the DC IN power socket of the charging dock, and plug the power adapter into the AC socket.
2. Insert the Ethernet cable into the Ethernet port of the charging dock RC-2L and connect the other end to a network device (router/switch) for remote monitoring.
3. After the power is connected, the power status indicator light will turn red, indicating that the power is on.
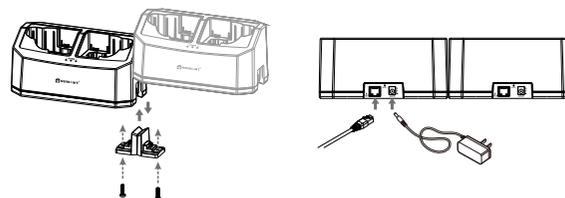
(2) Place the device for charging

1. Confirm that the device to be charged is a compatible model (RB-FW50 battery or UH-280 / UT-280 / BG-24H / BG-24T transmitter).
2. Place the device correctly into the charging slot (ensure good contact and no looseness).
3. The charging indicator light on the charging slot flashes red slowly = charging in progress; bright green = charging complete; red flashes fast = charging error/device malfunction.
4. Once charging is complete, the device can be removed directly. If it will not be used for a long period of time, please remove the charging device and disconnect the power supply.

BG-24T   BG-24H   UH-280   UT-280   RB-FW50

or   or   or   or

2. Multiple charging docks can be used in series (up to 4).

(1) Series connection

1. Remove the charging dock connector and insert it into the "charging dock connector" of the first charging dock.
2. Tighten the connector with the included screws to ensure a secure fit and prevent poor contact.
3. Repeat steps 1-2 to connect the subsequent charging docks to the connectors of the previous charging docks in sequence, up to a maximum of 4 in series.
4. Simply connect the DC power adapter and Ethernet cable to the input of the first charging dock (network connectivity is only available on model RC-2L).

(2) Used after series connection

1. After the series connection is completed, turn on the power. The power status indicator lights of all charging docks should light up red simultaneously (normal operation).
2. Each charging dock has an independent charging slot, allowing devices to be placed and charged separately. The indicator light status is the same as when using a single device.
3. During remote monitoring, the charging status of each of the series-connected charging docks can be viewed via the network.

05 TECHNICAL SPECIFICATIONS

Compatible Devices:	Batteries: Up to 2 RB-FW50 camera batteries
	Transmitters: Up to 2 UH-280/UT-280/BG-24H/BG-24T
Max charging current:	1.1A
Charging time:	Camera battery: 1.5 hours = 50%; 3 hours = 100% (Battery capacity: 1500mAh)
	Transmitter: 3 hours = 50%; 6 hours = 100% (Battery capacity: 2600mAh)
External power supply:	DC 12V
Power supply SPEC:	12V/1A (when used alone); 12V/5A (when used in series)
Network interface:	10/100 Mbps Ethernet (RC-2L only)
NET addressing method:	DHCP or manually assigning IP address
Operating temperature:	-18°C to 50°C (0°F to 122°F)
Storage temperature:	-29°C to 74°C (-20°F to 165°F)
Physical dimensions:	185mm (W) × 88mm (D) × 86mm (H)
Product weight:	Approximately 155g

06 INDICATOR LIGHT STATUS DESCRIPTION

Type	Status	Explanation of meaning
Power status	Red always on	The power is on and the charging dock is working properly.
Charging slot	Flashing red slowly	The device in the corresponding charging slot is charging.
	Green always on	The device in the corresponding charging slot has finished charging.
	Red flash	If there is a charging error (such as device incompatibility or poor contact) or device malfunction, the device and its placement should be checked.

07 TROUBLESHOOTING

Fault phenomenon	Possible reasons	Solution
The power indicator light is not on	The power adapter is not plugged in properly, charging is interrupted, or the adapter is faulty.	Check the power adapter connection and try a different AC outlet; if the light still doesn't turn on, replace it with a compatible DC 12V adapter.
The charging slot indicator light is flashing red	Equipment incompatibility, improper placement, poor contact, or excessive ambient temperature.	Confirm the equipment is a compatible model; reposition the equipment to ensure good contact; move it to an environment with the specified operating temperature.
Unable to remotely check charging status	Ethernet cable not plugged in properly, network not working, or IP configuration incorrect.	Check the network cable connection; confirm the network is working properly; check the IP address through the gateway or reconfigure the network parameters.
Some charging docks do not work after being connected in series	The connector is not tightened, more than 4 are connected in series, or there is poor contact at the connector.	Retighten the connector screws; reduce the number of connectors in series to no more than 4; check that the connectors are clean and undamaged.
Charging speed is abnormally slow	Incompatible power adapter, too many devices charging simultaneously, or excessively low ambient temperature.	Replace with a compatible adapter; reduce the number of devices charging simultaneously; move to a suitable temperature environment (10°C~35°C).

08 MAINTENANCE AND STORAGE

When cleaning the charging dock, first disconnect the power supply, then wipe the body and charging slot with a dry, soft cloth. Avoid using a wet cloth or chemical cleaners to prevent water ingress or corrosion.
When not in use for an extended period, disconnect the power supply and store the charging dock and accessories (connectors, screws) in a dry and ventilated place, avoiding squeezing or impact.
The storage environment must be within the specified temperature range (-29°C to 74°C), away from moisture, high temperatures, corrosive gases, and sharp objects.
The charging dock connector and screws must be properly stored in the accessory slot to prevent loss or damage.

09 PRECAUTIONS

The RC-2 charging dock can only be connected to the matching charging dock connector and connector. It is strictly forbidden to use non-original accessories.
Slight heating of the device during charging is normal. If severe heating, unusual odor, or other abnormalities occur, immediately disconnect the power and contact after-sales service.
Network configuration should be performed by professionals to avoid incorrect configuration that could prevent remote monitoring.
This product is only for charging the specified model of equipment. Do not use it on other equipment, otherwise it may cause damage to the equipment or safety risks.
Note: This manual is subject to change; the latest version shall prevail without notice. For technical inquiries, please contact the brand's after-sales support.