

User Manual for BRC0550901&RCN1008



The remote control used RF4CE protocol to send RF signals (buttons and rotary wheel) for device controlling. The remote can be used after pairing with a dedicated device which was installed with a receiver dongle.

1.product figure (BRC0550901)









2: Pairing operation



Press button “” and “”, and hold for 3 seconds; RC will start to send “Pairing packet” and searching host.

The pairing processed will be auto completely. Below table shows the detail actions in RC:

 pressed	 press packet send out
 holding pressed	 repeat packet send out
 pressed(this button should be pressed within 200ms after the first button pressed)	 release packet send out and then RC start to waiting for 3 sec
Waiting for 3 sec	If any of two buttons released during this time-window, pairing operation was cancelled and no RF signal send out








Start to sending pairing packet	Receiver will show a message to indicate pairing's status
Waiting for pairing completed	If pairing packet was not responded in 30 seconds, pairing operation failure, RC will exit pairing mode ignore all buttons; User should release all buttons (no RF packet should send), and then RC can handle a new pairing operation.
Release all buttons	RC entering normal working mode


3: Idle Mode

In this mode, a minimum of current is consumed to maximize battery lifetime. This mode is entered when no actions need to be executed. When the user presses a button on the keypad, or rotary the switch to any direction, normal operating mode is entered.

In this mode, no RF signal transmission. Keyboard is active.

4: Key description

NO	BUTTON ICON	BUTTON DESCRIPTION
K1		Used as "Power ON" or "Power Off"
K2		Select the focus
K3		Confirm current selection
K4		Light adjusting
K5		Defined as border select
K6		Call menu option
K7		Exit from current window

K8		Pen menu
K9	ROTARY WHEEL(Clockwise rotation)	Zoom in
K10	ROTARY WHEEL(Anticlockwise rotation)	Zoom out

5: Technical specifications

RF operating frequency: 2425MHz, 2450MHz, 2475MHz

Reference frequency: 2.400GHz

Channel spacing: 25MHz

Modulation method: Offset-Quadrature Phase Shift Keying

Communication rate: 250Kbps

Output power: 1DBm

Communication mechanism: applied Zigbee frequency hopping mechanism, passively frequency hopping.

Average operating current: <25mA

Static operating current: key press waking up <30uA

Operating voltage: 2.5V-3.4V

Max remitting current: 20mA

Max rate: 250Kbit/s

Receiving sensitivity: -85dbm

Receiving current: <20mA

Sleep current: <20uA

Max receiving distance: >15M

Normal operating receiving distance: 10M

6: Warning

- Do not disassemble, repair, modify or replace the remote control Unit or any of its components.

- Please comply with the national and international flight safety regulations when using device during your flight trip.
- When storing rechargeable batteries for collection, keep in a vented, non-metal container. Operating for this product is between 40°F~103°F (5°C~40°C). Storage for this product is between -4°F~185°F(-20°C~85°C).
- Do NOT dispose of the battery in public trash; it is unlawful under state and federal environmental laws and regulations.
- Please dispose of the battery at local battery recycling center.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation;

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- _ Reorient or relocate the receiving antenna.
- _ Increase the separation between the equipment and receiver.
- _ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- _ Consult the dealer or an experienced radio technician for help.

Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note : The manufacturer is not responsible for any Radio interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.