# User Manual for 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.

RCN1008 was used as a dongle which need to be installed in customer's device. It offers several different interfaces, like UART, SPI and I2C to communicate with customer's device according predefined protocol.

1: product figure (RCN1008)
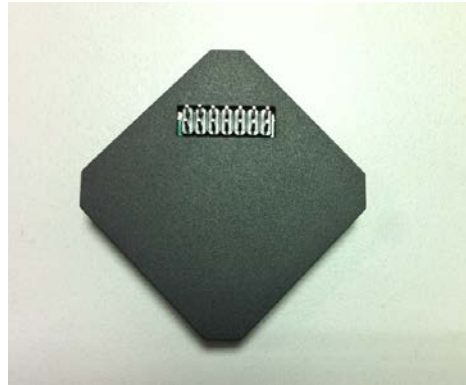
3: Technical specifications

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

4: 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 -4F°~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；