

supplier : Y-CONTROL

Material Name YC-2205-05

Customer part number Bluetooth+infrared-22 K

Sample delivery date: 2025-06-25

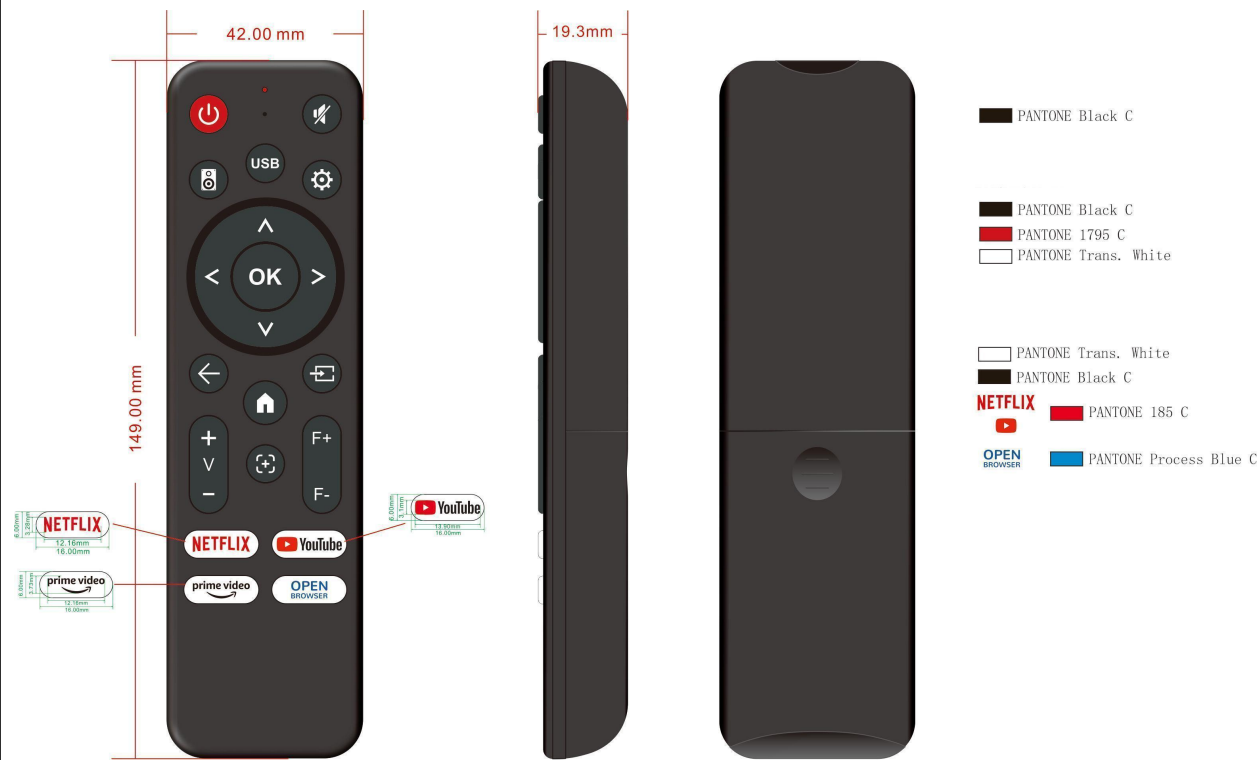
Acknowledgment column	supplier	make	QC	to examine	signature
	customer	Certified Engineer	to examine	approval	file

Resume

[illegible]

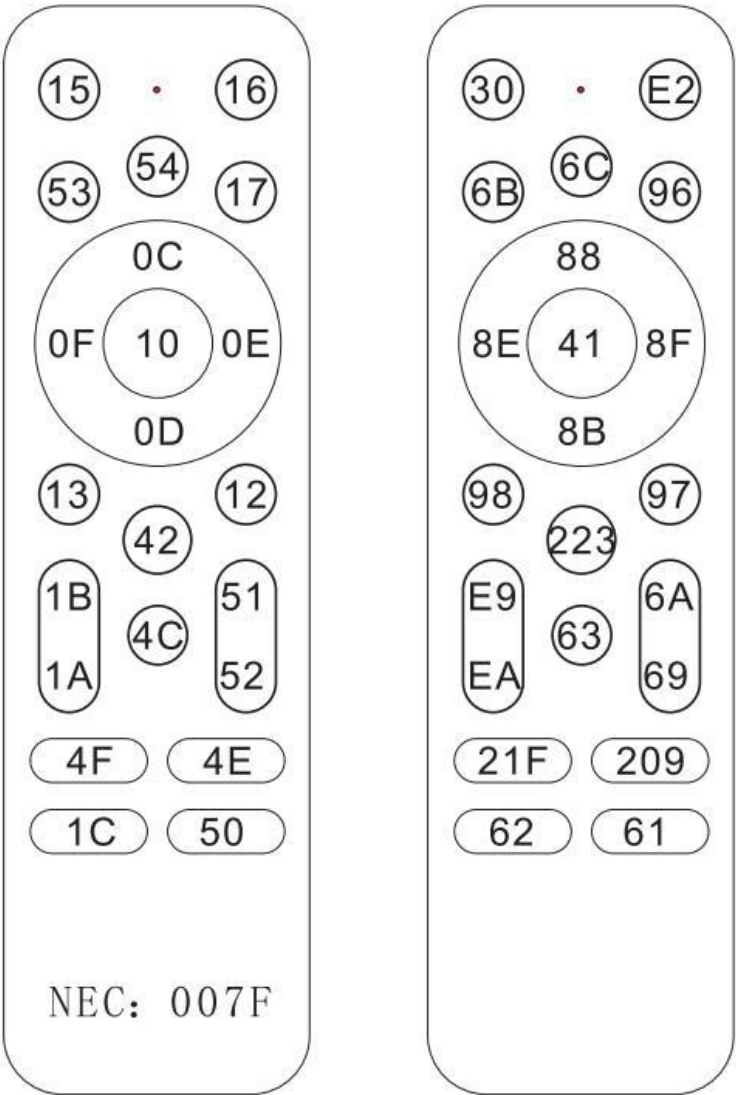
customer		SPECIFICATION	model	YC-2205-05
Name	RCU		CUSTOMER PART NO	Bluetooth+infrared-22K

1. Remote control appearance diagram:



customer		SPECIFICATION	model	YC-2205-05
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2. Remote control code value diagram:



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4.1: Technical specifications and standards for remote controls

Remote control usage instructions

1. Bluetooth device name: Smart BLE Remote

2. Key value of remote control: System code: 0x007F Infrared code mode: NEC

pid 0x1600 vid 0x2b54

3-1. Pairing (management function): Press the "left+right" button on the remote control for more than 3 seconds at the same time, and the indicator light will enter a flash state. Send pairing or clear pairing broadcast (30s). When pairing is successful, the indicator light will change from flash to slow flash for 2 seconds and then turn off; If pairing or clearing pairing is not successful, you can press the "left+right" button again to continue sending pairing or clearing pairing broadcasts, so that pairing or clearing pairing is successful;

3-2. Pairing failed, the remote control indicator light kept flashing for 30 seconds until it turned off; In the pairing failure state, press any key on the remote control and the indicator light will flash a few times (at this time, the infrared code value is emitted)

3-3. Indicator light status

(1) Infrared status: When it turns red, press the button and the LED light flashes continuously twice; The button pops up and the LED goes out.

(2) Bluetooth status: When Bluetooth is activated, press the button and the LED will remain on; The button pops up and the LED goes out.

3-4. Hibernation

(1) No action when powered on, enter deep sleep mode after 8 seconds.

(2) When there is no pairing information and Bluetooth is not connected, press the button and enter deep sleep mode after 8 seconds.

(3) When there is pairing information, if Bluetooth is not connected, enter deep sleep mode 60 seconds after pressing the button.

(4) When connected to Bluetooth, it enters shallow sleep mode without any operation, with an average standby power consumption of less than 200uA. (The current is in a jumping state, with a maximum of about 500ua).

3-5. RF: VOL - Power on

3-6. Low power: below 2.2V $\pm$ 0.05V, LED flashes for 10 seconds;

CAUTION:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user ' s authority to operate the equipment.

customer		SPECIFICATION	model	YC-2205-05
Name	RCU		CUSTOMER PART NO	Bluetooth+infrared-22K

4.2: electrical characteristics

entry name	Parameter range	notes
4.2.01 ambient temperature	-25°C -60°C	
4.2.02 relative humidity	< 90%	
4.2.03 storage temperature	-10-50°C	
4.2.04 atmospheric pressure	86-106Kpa	
4.2.05 Operating voltage range	DC2.3V - DC 3.3V	
4.2.06 Transmission frequency	2400~2483.5MHzMHz	
4.2.07 quiescent current	≤3uA	
4.2.08 Working current	≤15mA	
4.2.09 Transmitting power	≤10dBm(3.6V)	
4.2.10 PCB circuit board material	CEM-3	
4.2.11 Key load life	≥ 50000 times	
4.2.12 Electrostatic environment test	15KV	
4.2.13 free fall test	80cm 6 times	
4.2.14 PCB wiring line width and spacing	≥0.3mm	
4.2.15 Modulation	OOK/ASK	
4.2.16 Antenna Type	Onboard Antenna	
4.2.17 antenna gain	10dBm	
4.2.18 battery	2 No. 7 batteries	
4.2.19 Shell temperature resistance value	≤60°C	

FCC 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 or 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/TV technician for help.