

Remote control renderings





Description of the physical function requirements of the remote control

1. Remote control key value

Under the Bluetooth connection status, press the button to send the Bluetooth key value. When there is no Bluetooth connection, it will automatically switch to the infrared key value.

System code: 0x08F7 Code format: NEC

Key code value:

	Button	IR CODE	USEGE PAGE	USAGE ID	Remarks
	Power(TV)	Infrared learning key			
	SET				
	POWER	0X0A	0X0C	0X0030	
	red	0X05	0X07	0X006A	
	green	0X09	0X07	0X006B	
	yellow	0X42	0X07	0X006C	
	Back	0X1C	0X0C	0X0224	
	Home	0X0C	0X0C	0X0223	
▲	Up	0X00	0X0C	0X0042	
▼	Down	0X01	0X0C	0X0043	
◀	Left	0X03	0X0C	0X0044	
▶	Right	0X02	0X0C	0X0045	

	OK	0X1F	0X0C	0X0041	
	CH+	0X5A	0X0C	0X009C	
	CH-	0X5F	0X0C	0X009D	
	VOL+	0X58	0X0C	0X00E9	
	VOL-	0X5D	0X0C	0X00EA	
	Google Assistant	0X74	0X0C	0X0221	
	mute	0X0D	0X0C	0X00E2	
	1	0X11	0X07	0X001E	
	2	0X12	0X07	0X001F	
	3	0X13	0X07	0X0020	
	4	0X14	0X07	0X0021	
	5	0X15	0X07	0X0022	
	6	0X16	0X07	0X0023	
	7	0X17	0X07	0X0024	
	8	0X18	0X07	0X0025	
	9	0X19	0X07	0X0026	
	0	0X10	0X07	0X0027	
	apps	0X66	0X0C	0X01A2	
	del	0X30	0X07	0X002A	

Remote control operating instructions

1. Special requirements for remote control

- 1) When Bluetooth is connected, the remote controller sends the Bluetooth key value; if Bluetooth is not connected, the infrared key value is sent.
- 2) Indicator light: red, each time the button is pressed, the indicator light flashes
Low voltage reminder: when the battery is low, the indicator light flashes quickly, as long as it is still operating, it will keep flashing. When the remote control is no longer operated, it flashes 5 times or flashes for 3 seconds, then stops and goes off.
- 3) Support online upgrade of Bluetooth remote control, and trigger upgrade through HOST terminal.
- 4) Pairing method: Press and hold the "OK" + "VOL-" keys for 3 seconds at the same time, the indicator light flashes, the pairing success indicator light will stay on for 3 seconds and then go out.
Connection interval < 12ms
- 5) Remote control distance: $\geq 10\text{m}$
- 6) Bluetooth device name: Kinetic RCU +
- 7) Support OK + Back reporting function
- 8) The interval is 20ms when not using voice, and 12.5ms when using voice
- 9) Adapt to BT5.0

2. Remote control other requirements

- 1) Pairing function requirements: there can be no problem that the Bluetooth device cannot be scanned or cannot be paired (including continuously pressing the pairing key in a short time), please verify 50 times to ensure that there is no problem;
- 2) Reconnect function requirements: there can be no problems of unconnectable connection, including power-off and reconnection of the box, power-off and reconnection of the remote control, and restoring for 2 hours, etc.
- 3) Anti-interference function requirements: there should be no problems that greatly affect the WIFI throughput of the host, please ensure that the WIFI throughput of the host is normal when the remote control is connected;

- 4) Performance requirements: It is required to support $\leq 10\text{m}$, and there must be no problems with voice call freeze, loss, and remote control key freeze, code loss, or key combination;
- 5) Power consumption requirements: The remote controller can be used continuously for at least 6 months
- 6) Voice: 16Khz voice sample with 16-bit sampling, short press the voice key (color key) to start recording, the remote controller stops recording after receiving the stop recording command issued by the voice engine. Voice overtime protection for 30s, forced to quit recording.

Box software can control MIC to open and close.

Support remote control MIC and other MIC (such as the recording button on the mobile phone apk) alternately and switch voice input.

3. Learning function

- 1) Hold on the "Set" button until the light turns red.
- 2) Place the remote of the TV opposite the remote of the box in the same level.
- 3) Press the "TV" button to enter the learning mode, then hold on the learning button for a long time. When the light of the learning remote flash three times fastly, then keep the light on. It means the learning way succeed.
- 4、 Press the "Set" button to save and quit the learning mode.

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 user's authority to operate the equipment.

NOTE: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction