

Remote Control Specification Sheet

No.: B-EN-S-017 B/0

Delivery: Changhong		Date: October 31, 2025	
B u y e r , s e n t r y	The name of the buyer's part	Bluetooth remote control	
	The component code of the buyer	CH.19.ATB1113	
	The buyer agrees		
	Receive	Review	Approval

S u p p l i e r e n t r y	Supplier part model	BT-CH010-005	
	Supplier	SHENZHEN GOLDSTAR CENTURY DIGITAL CO., LTD.	
	Manufacturer	SHENZHEN GOLDSTAR CENTURY DIGITAL CO., LTD.	
	Supplier's approval		
	Design	Review	Approval
	Liu Wu	Zhang Changnan	

R e m a r k s	



Catalogue

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III、Remote control specification parameters

Classification number		Name	
		Remote control Product Specification sheet	
1. General matters			
1.1 Scope of Application This specification is applicable to the BT-CH010-005 Bluetooth voice + infrared remote control			
1.2 Working environment: -5℃ to 40℃ (45 to 85%RH), 86 to 106Kpa			
1.3 Storage temperature: -20℃ to 60℃			
The test environment temperature is 5 to 35℃, the relative humidity is 45 to 85%, and the atmospheric pressure is 86 to 106Kpa			
2. Appearance, structure and dimensions (with the appearance design drawing of this type of remote control attached)			
	Project	Test conditions	Judgment criteria
2.1	Appearance	The following items are all confirmed by visual inspection Scratches, stains, cuts, deformations ② Print graphics and text ③ Bonding of nameplates ④ Shell fit ⑤ Surface	There are no such phenomena as mentioned above ② Clear, uniform and neat ③ No floating, bulging or tilting ④ No lifting, deformation or cracking ⑤ Uniform material and consistent color
2.2	Structure , size		See the shell design documents
3.Electrical parameters			
	Project	Test conditions	Judgment criteria
3.1	Static current	Power supply voltage DC3V	<5uA
3.2	Peak current	Power supply voltage DC3V	<35mA
3.3	Working voltage	Power supply voltage DC2.2~3.6V	2.4~3.6V
3.4	Infrared carrier frequency	Power supply voltage DC3V	38KHZ
3.5	Infrared irradiance	The remote control voltage is 3V, and it is an irradiance instrument	Dc 3.0V straight line ≥40 μ w/cm² The left/right Angle is 30° and ≥20 μ w/cm²
3.6	Infrared emission distance	The remote control voltage is 3V, and it is a decoder	The straight line is no less than 10 meters Conical Angle 30℃, ≥ 6 meters
3.7	Bluetooth transmission distance	The remote control has a voltage of 3V and is powered by Changhong TV	The Bluetooth button distance is no less than 10 meters and the voice distance is no less than 6 meters
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4. Mechanical properties/weather resistance

	Project	Test conditions	Judgment criteria
4.1	The load life of the key	Press the key 200,000 times at a frequency of 3 to 5 times per second, with the number of times not in place being less than or equal to 0.5%	The key functions normally.
4.2	High-temperature and humid heat	The remote control should be stored at a temperature of 60°C for 48 hours and then restored for 2 hours	Comply with all requirements of 2.1 and 3.5
4.3	Low-temperature storage	The remote control should be stored at a temperature of -20°C for 48 hours and then restored for 2 hours	
4.4	Free drop test	The remote control is equipped with a battery and comes without packaging. It can be freely dropped from a height of 100cm from all six sides of the remote control (horizontally) onto a horizontal floor for two cycles each.	

IV. Instructions for Using Bluetooth Voice

4.1 Pairing and unpairing

Keep the remote control connected to the TV at a distance of 4 meters for at least 2 hours without disconnection. Keep the remote control connected to the TV at a distance of 6 meters for at least one hour without disconnection.

Device name: ‘TVC0GWBT’ .

During the factory test, after the test is completed, the test software will issue a command to clear the pairing information of the remote control.

4.2 Connection

Keep the remote control connected to the TV at a distance of 4 meters for at least 2 hours without disconnection. Keep the remote control connected to the TV at a distance of 6 meters for at least one hour without disconnection.

When there is pairing information and the Bluetooth connection is disconnected, pressing any key will send the corresponding infrared code and send a reconnection broadcast for 5 seconds (the POWER key and the pairing combination key will not send a reconnection broadcast). Whether the reconnection is successful or not, the indicator light will not give an indication.

When there is pairing information, the remote control will send a reconnection broadcast for 5 seconds upon power-on. Whether the reconnection is successful or not, the indicator light will not give an indication.

4.3 Hibernation and Awakening

When no data interaction occurs, the remote control remains connected and enters a sleep state. The remote control does not actively enter a disconnection state.

Press any key to wake up the remote control. If it is still connected, the Bluetooth code value corresponding to the key will be sent. If the Bluetooth connection has been disconnected, it will enter the reconnection state.

4.4 OTA

When the TV is turned on and started up, check the upgrade file of the remote control. If there is an upgrade file, the remote control will undergo an OTA upgrade, and the LED light will flash as a breathing light. At this point, the remote control cannot be used, and no keys respond. After a successful upgrade, the LED light stops flashing. At this time, the remote control can be used normally. If the upgrade fails, check and upgrade again when the machine is turned on next time. After the OTA failed, the LED light stopped flashing and the remote control returned to the old version for normal operation

4.5 Voice

In the Bluetooth connection status, press “Voice”. After receiving the command from the host, the red light on the remote control will light up and the recording will start. The user should aim at the microphone and speak. After 7 seconds or upon receiving a command from the host, the red light on the remote control goes out and the recording stops.

4.6 Low Voltage Prompt

When the battery power is lower than 2.4V, each time the user presses a key, the red light will flash at 1Hz for 3 seconds.

4.7 Single Carrier Test

Press and hold “Input + Home + VolDn” to power on, and the remote control will enter the single-carrier mode, sending a single carrier with a frequency of 2440MHz and a power of the maximum power of the chip.

4.8 Indicator Light Status

Infrared mode: The button does not light up

Bluetooth mode: The button does not light up

Pairing: Enter pairing, the red light flashes for 30 seconds at a frequency of 2Hz ($D=0.5$); The pairing was successful, and the red light remained on for 3 seconds. The pairing failed and the red light went out.

Voice mode: Voice input, start recording, red light on; Stop recording and the red light will go out.

Low voltage state: Press any key and the red light will flash for 3 seconds with a frequency of 1Hz ($D=0.5$).

4.9 Explanation

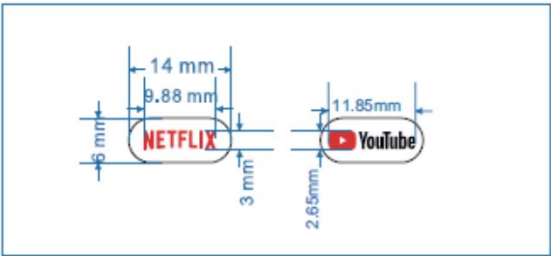
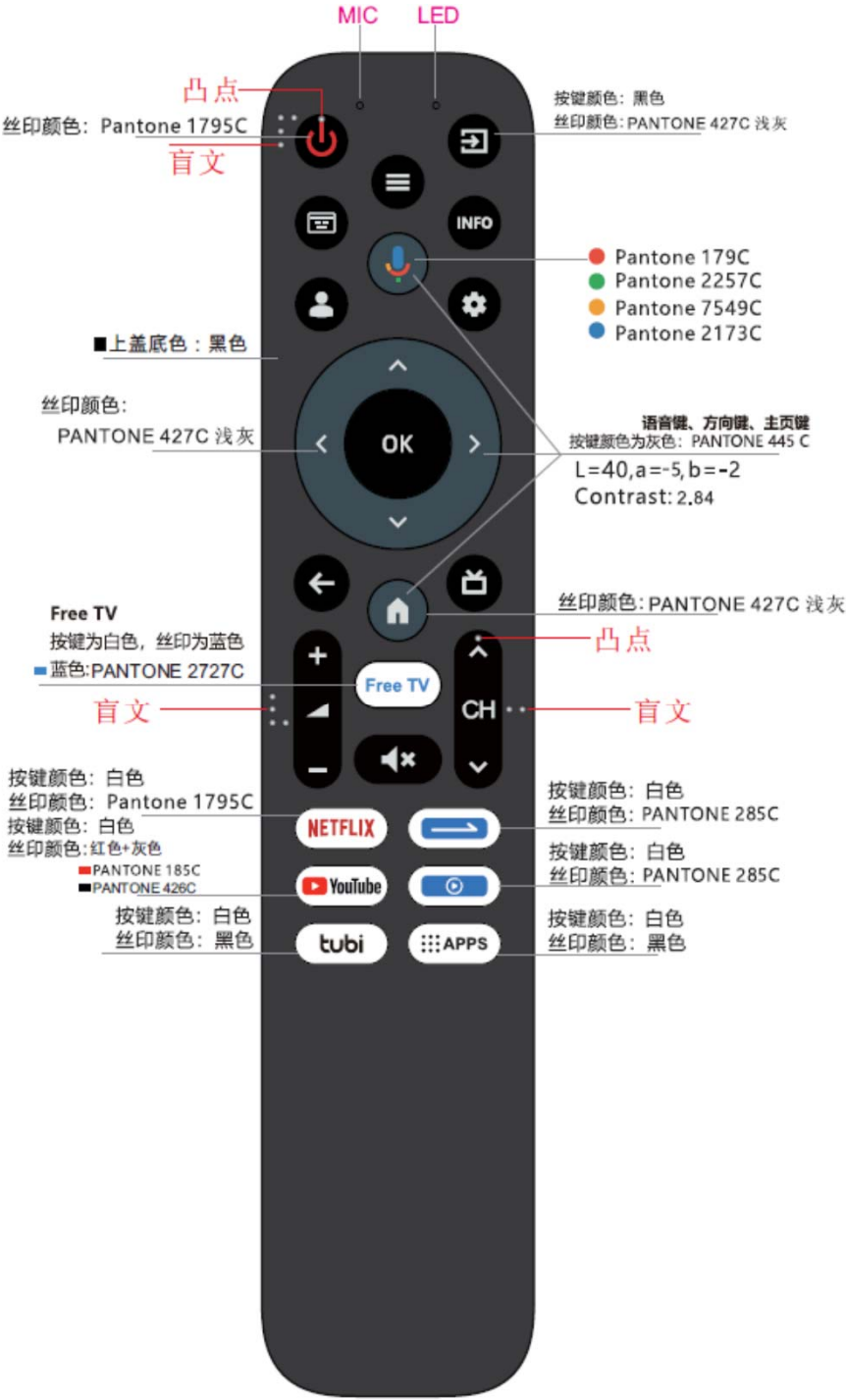
Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

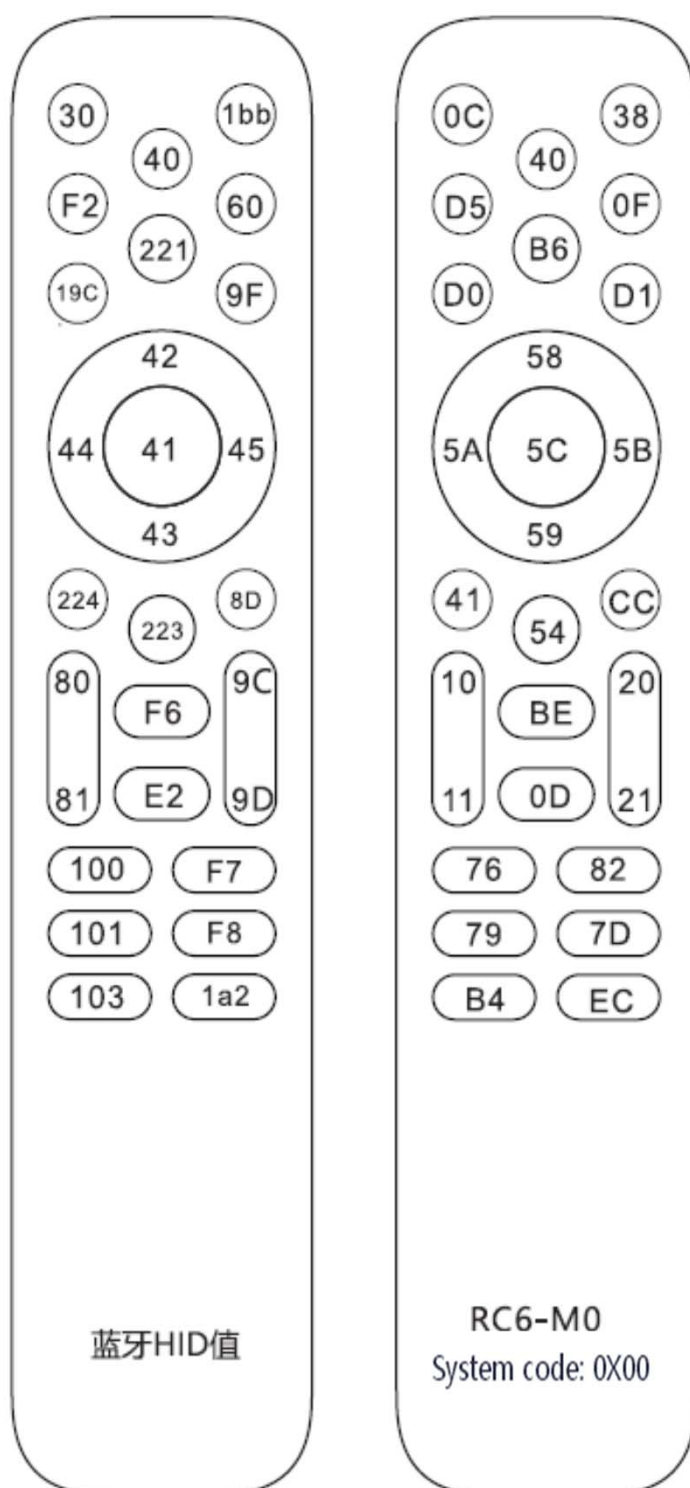
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

V. Appearance Diagram of the Remote Control



Vi. Code Value Table



Model Number: ActionsGTUNA19BF;

X. Packaging Drawing

1) Packaging style drawing

