

User Manual

1、Overview:

- 1.1、 This air mouse remote control is suitable for smart projectors. It includes air mouse function and infrared emission function when Bluetooth is not connected. The remote control has 16 buttons

2、Characteristics

3.1、 Temperature characteristics

Storage temperature: $-10^{\circ}\text{C}\sim+60^{\circ}\text{C}$

Operating temperature: $-10^{\circ}\text{C}\sim+55^{\circ}\text{C}$

3.2、 Electrical characteristics

3.2.1 Operating voltage: $2.2\sim 3.3\text{V}$;

3.2.2 Sleep standby current: $\leq 6\mu\text{A}$;

3.2.3 Operating current:

A .Bluetooth general button mode: $\leq 2\text{mA}$;

b. Bluetooth voice mode: $\leq 10\text{mA}$

c. Bluetooth pairing status: $\leq 1\text{mA}$

d. Infrared mode: $\leq 15\text{mA}$

e. Bluetooth air-mouse mode: $\leq 10\text{mA}$

3.2.4 Operating distance: 10m ;

3.2.5 RF frequency: ISM Band $2.4\text{GHz} \sim 2.4835\text{GHz}$;

3.2.6 Carrier Protocol: IR 38KHz (NEC) / RF 2.4GHz (FSK)。

Remote control appearance



一、Remote control button definition (NEC encoding format, customer code:

20DFH, 38K carrier frequency)

When the remote control is connected via Bluetooth, all keys on the remote control emit infrared signal; after the remote control is connected normally, all keys are send to the device via the receiving module via Bluetooth.

No.	Button Name	Hid Value	IR Code	Remarks
1	Power ON/OFF	0C0030	41	
2	Settings	0C0070	1C	
3	Input Source	0C006A	50	
4	Up	0C0042	42	
5	Down	0C0043	43	
6	Left	0C0044	1A	
7	Right	0C0045	4F	
8	OK	0C0084	1B	
9	Back	0C0224	4D	
10	Home	0C0223	14	
11	Menu	0C0040	0D	
12	Play/Pause	0C00CD	12	
13	Task_Switch	0C0071	13	
14	VOL+	0C00E9	51	
15	VOL-	0C00EA	56	
16	Mouse	无	5A	

二、Remote control Device Pairing

The remote control and the Bluetooth receiver device can be operated normally after Pairing.

Pairing Method: Press the "left" button and the "right" button of the remote control at the same time. After pressing the two buttons simultaneously for 2 seconds, the remote control enters the pairing mode. The indicator light of the remote control flashes quickly during pairing. When the light is always on for about 4 seconds, it indicates that the pairing success. If paring not success, the blue light will continue to flash for 30 seconds and enter the standby mode. Before entering the pairing state, you need to send an infrared code, the infrared IR key value is 0x33.

三、Bluetooth air mouse function

Press the air mouse button on the remote control, the remote control enters the air mouse mode, the projector will appear a cursor, and the cursor can be

moved by operating the remote control. Pressing the OK button at this time is equivalent to pressing the left button of the mouse, and the return button is equivalent to the right mouse button. Press the air mouse button again to exit the air mouse mode and the projector cursor disappears.

四、 Remote control led indicator

The status indication is as follows:

- 1、 During pairing, the blue light flashes quickly (defined as 0.25 second on, 0.25 second off);
- 2、 If the button is pressed in infrared mode, the red light will flash once, if the button in Bluetooth mode is pressed down, the blue light will flash once, long press is to keep the light on.

五、 Bluetooth description related definitions

Pid: 0x9877

Vid: 0x568A

Bluetooth device name: Philips AirMote

FCC Warning

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.

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.

Radiation Exposure Statement

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