

Remote Control user's manual

一、Application equipment:

Home Projector

二、Hardware Part

- | | |
|---------------------|---------------------|
| 1、MCU: | RTL8762AG |
| 2、Battery: | 2 pcs AAA batteries |
| 3、Indication light: | No |
| 4、IR LED: | Yes |

三、Compatible operating system

- 1、Android 4.4+ (or Higher)
- 2、Windows RT 8.1 (or Higher)
- 3、Windows 8 (or Higher)

四、Main function

1. Keypad function

Keypad function emit IR code only under condition of IR mode.

OK button emits BT code but other buttons emit IR code under condition of BT/Air mouse mode.

2. Air mouse function

When press on air mouse button then air mouse function switch on, press on air mouse button again then air mouse function switch off, at the same time button emit IR code. Under condition of air mouse function switch on the "OK" button deem as left button of mouse. If the remote no move for 60 seconds then mouse function switch off then remote control standby to save energy of battery.

五、Code pairing

1. PPA 5750 Air Mouse

Firstly artificially pair code, after blue tooth pairing succeed then RC can pair code automatically.

BT remote name: PPA 5750 Air Mouse

2. Pairing keys

Pairing buttons: Press on "FOCUS+" and "FOCUS-" keys for more than 3s

六、Switch

1. (Power ON/OFF -- button "POWER")

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This means the remote wakes up when pressing the “Power” button
 2. (Bluetooth/Air mouse Switch --- controlled by air mouse button)

七、 Battery energy detection

The remote detect the energy of battery, projector server read voltage of remote control via connecting blue tooth. When battery energy is less than 30% the information will be shown on screen of projector to remind user to change battery

八、 Key code: (IR keycode、Protocol NEC 0x8019)

| Key on SCH 键位 (对应原理图 上的键位号) | 遥控器按键 Icon on Remote | 按键描述 Description | 红外模式 | 蓝牙模式 | 红外键值表 IR Key code 格式：NEC 用户码： 0x8019 |
|--------------------------------------|----------------------------|---------------------|-------------|---------------|--|
| | | | IR | BT | |
| S01 | DOWN | down | IR | IR, mouse off | 16 |
| S05 | Gyo-mouse | Empty Rat | IR mouse on | IR mouse off | FC |
| S06 | MENU | menu | IR | IR | 18 |
| S07 | BACK | BACK | IR | IR | 1A |
| S08 | HOME | HOME | IR | IR | 19 |
| S12 | MUTE | MUTE | IR | IR | 1F |
| S13 | VOL+ | VOL+ | IR | IR | 1C |
| S14 | BT | BT | IR | IR | 37 |
| S15 | GREEN | GREEN | IR | IR | 33 |
| S19 | YELLOW | YELLOW | IR | IR | 34 |
| S20 | BLUE | BLUE | IR | IR | 35 |
| S21 | RED | RED | IR | IR | 32 |
| S22 | FOCUS - | FOCUS - | IR | IR | 1E |
| S26 | Auto-Focus | Auto-Focus | IR | IR | 31 |
| S27 | FOCUS+ | FOCUS+ | IR | IR | 48 |
| S28 | VOL- | VOL- | IR | IR | 46 |
| S29 | UP | UP | IR | IR, mouse off | 17 |
| S33 | RIGHT | RIGHT | IR | IR, mouse off | 51 |
| S34 | OK | OK | IR | Mouse_left | 50 |
| S35 | LEFT | LEFT | IR | IR, mouse off | 4F |
| S36 | OPTION | OPTION | IR | IR | 36 |
| S41 | POWER | POWER | IR | IR | 10 |
| S42 | SOURCE | SOURCE | IR | IR | 1D |

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1. Air mouse function and BT button definition

- 1) Air mouse button is switch button between IR and BT which emit IR code at same time.
- 2) OK buttons is left button of mouse under condition of BT mode
But under condition of IR mode OK button emit IR code
- 3) Navigation buttons is switch-off button of mouse
Under condition of BT mode navigation buttons can switch off mouse function and emit IR code at the same time.
- 4) Other buttons always emit IR code

Press On Gyro Mouse button: then Gyo-mouse function swith on.

Switch Off Gyro Mouse function: Press on Gyro-mouse button or Press on one of the navigation buttons (left, right, up, down.)

Switch on Mouse cursor visible, <OK> button acts like left button of a PC mouse, NO IR transmission.

Switch off gyro: Mouse cursor not visible, <OK> button resume OK function Via IR transmission.

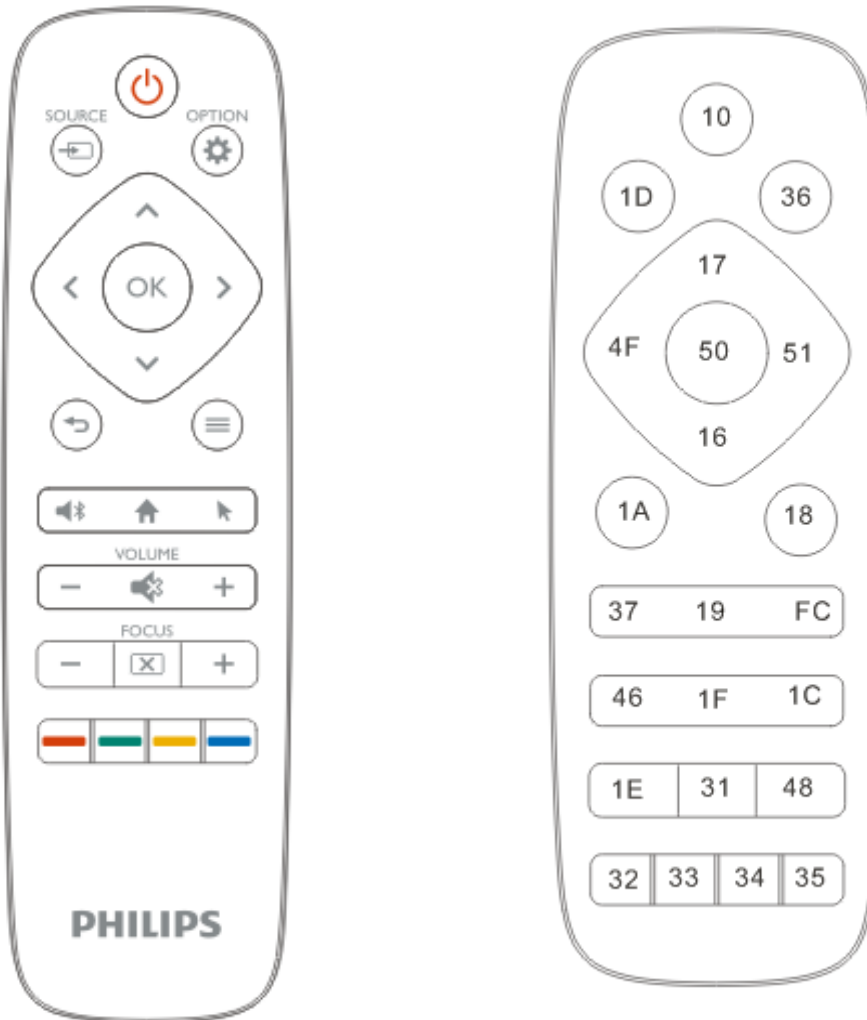
If Mouse no move for more than 60s, mouse function is deactivated.

2. IR buttons definition

Protocol: NEC, system code: 0x8019, Carrier frequency: 37.9kHz±2%。

Code table refer to Page 2-3

九、The appearance



| Frequency bands | Maximum output power |
|-----------------|----------------------|
| BT BLE(EIRP) | -5.18 dBm |

CE Statement

1. The operating temperature of the EUT can't exceed 35°C and shouldn't be lower than 5°C.
2. The device complies with RF specifications when the device used at 0mm from your body.



Hereby, Screeneo Innovation SA. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

FCC Statement

15.19 Labeling requirements.

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.

15.21 Information to user.

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

15.105 Information to user.

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.

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. For body worn operation, this device has been tested and meets FCC RF exposure guidelines. When used with an accessory that contains metal may not ensure compliance with FCC RF exposure guidelines.