

RF101 Functional Specification

Introduction

An RF remote control and USB receiver receptacle that is recognized as an HID device in windows with number 0-9 input,4-way directional pad with OK button in the middle,#(pound or hash) and *(asterisk),and the named function buttons assigned system functionality per the table in the Keys definition.

Product ID

Pic 1. Transmitter's ID



Product Specification

List 1. Transmitter's parameter

modulation	GFSK
Frequency Range	2.4~2.4835GHz
Transmitted Power	0 dBm
Battery	2 AAA Battery,3V
Working Current	<25mA
Standby Current	<15uA
Ambient Temperature	-40—85℃
RC Dimension	180mm*52mm*24mm
PCB Material & Size	FR4 1.2mm 134.5*41mm
Housing Material	ABS

List 2. Receiver's parameter

modulation	GFSK
Frequency Range	2.4~2.4835GHz
Transmitted Power	0 dBm
Power Supply	USB 5V
Working Current	<25mA
Ambient Temperature	-40—85℃
PCB Material & Size	FR4 0.8mm 24*16mm

The keys definition:

HID Key Event	Function / Key	Icon
Left	Left*	n/a
Right	Right*	n/a
Up	Up *	n/a
Down	Down*	n/a
Enter	OK	n/a
ALT+SHIFT+F1	Home	n/a
ALT+SHIFT+F2	Back / Undo *	n/a
ALT+SHIFT+F3	ABC (on screen Keyboard)	n/a
ALT+SHIFT+F4	Power	n/a
ALT+SHIFT+F6	Change User	n/a
ALT+SHIFT+F7	Zoom In (camera) *	n/a
ALT+SHIFT+F8	Zoom Out (camera) *	n/a
ALT+SHIFT+F9	Privacy (video only)	n/a
ALT+SHIFT+F5	Mute (audio mute)	n/a
ALT+SHIFT+F10	Contacts	n/a
ALT+SHIFT+F11	Call History	n/a
ALT+SHIFT+F12	PurpleMail	n/a
ALT+SHIFT+D	FS/PIP (display mode)	n/a
ALT+SHIFT+E	Ignore/End	n/a
ALT+SHIFT+A	Answer	n/a
0	Zero	Numeric - 0
1	One	Numeric - 1
2	Two	Numeric - 2
3	Three	Numeric - 3
4	Four	Numeric - 4
5	Five	Numeric - 5
6	Six	Numeric - 6
7	Seven	Numeric - 7
8	Eight	Numeric - 8
9	Nine	Numeric - 9
*	Asterisk	Asterisk Symbol
#	Pound (hash)	Pound Symbol

Pairing Procedure

Before operating the remote control, user have to pair the target device with the remote control,the remote should be paired with the target (USB dongle) as steps below pairing process:

- A. First be sure that the device is on,then approach USB dongle press,hold “1” button and “9” button at the same time for 3 seconds.**
- B. LED of the remote control will turn on to indicate that it is now pairing mode. Remote control will search the target device.Remote control sends pairing request to the device.LED of remote will blink three times slowly(blink one time each second) if pairing procedure finish successfully.**

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.

NOTE 1: Any 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.