KC868-G WiFi Smart Home Controller Protocol

1. Infrared Remote Control

"Study IR":

Send：ZIGBEE_INFRARED-STUDY-255, 65535, 1, 0000000000
Receive：ZIGBEE_INFRARED-STUDY-255, 65535, 1, 0000000000, OK (Success)
     ZIGBEE_INFRARED-STUDY-255, 65535, 1, 0000000000, ZIGBEE_ERR (Fail)

Number:255, 65535, 0000000000 fixed, always never change.
Number "1": means first infrared storage key, 800 infrared learning keys can be created from 1-800, and the key codes will be saved to hardware MCU chip after learning.
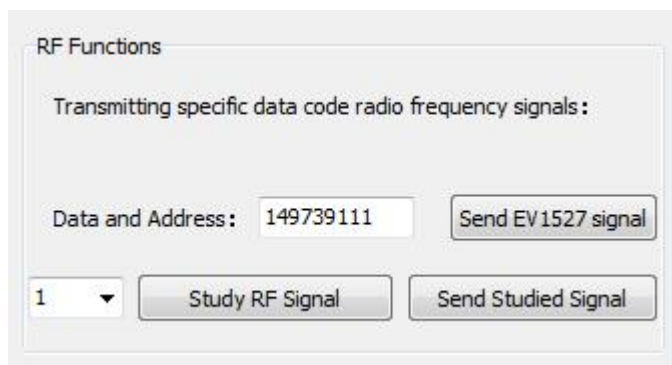
"Send IR":
Send：ZIGBEE_INFRARED-SEND-255, 65535, 1, 0000000000
Receive：ZIGBEE_INFRARED-STUDY-255, 65535, 1, 0000000000, OK (Success)
     ZIGBEE_INFRARED-SEND-255, 65535, 1, 0000000000, ZIGBEE_ERR (Fail)
It is used for send learned IR keys, like use infrared remoter to send IR signal control device, such as: air conditioner, TV, DVD,fan ,etc.

2. RF Device Control

A. "Send EV1527 wireless RF signal":
Send：PT2262_315M-SEND-255,33,149739111
Receive：PT2262_315M-SEND-255,33,149739111,OK

Send：PT2262_433M-SEND-255,33,149739111
Receive：PT2262_433M-SEND-255,33,149739111,OK

33: means Oscillation resistance is 3.3M
149739111: A comprehensive value calculated for data code and address code. This value can be changed to transmit different coded signals.
315M and 433M: frequency of signal

B. "**Learn wireless signal (for EV1527 code or PT2262 code)**":

Send：RFSTUY_315M-STUDY-1

Receive：RFSTUY_315M-STUDY-START   Ready to learn wireless signal

Press RF remoter's button by hand

Receive：RFSTUY_315M-STUDY-1,OK   Learn wireless code Success

"RFSTUY_315M-STUDY-1" and "RFSTUY_315M-STUDY-1,OK" command：

Number-1: means the wireless channel.

C. "**Send learned wireless signal**":

Send：RFSTUY_315M-SEND-1

Receive：RFSTUY_315M-SEND-OK

Send learned wireless of channel-1.

Note: Send RF signal support 315MHz and 433MHz. Receive signal support only 315MHz