One key binding of the JDY-25M master to connect the strongest signal slave nearby

Instruction: The master is generally used for high-speed communication between JDY-25M and JDY-25M. The default working mode of JDY-25M is MESH network mode. The user needs to configure it as a master. Please send the following instructions.

Ⅰ. Serial port sends instruction to bind the strongest signal slave

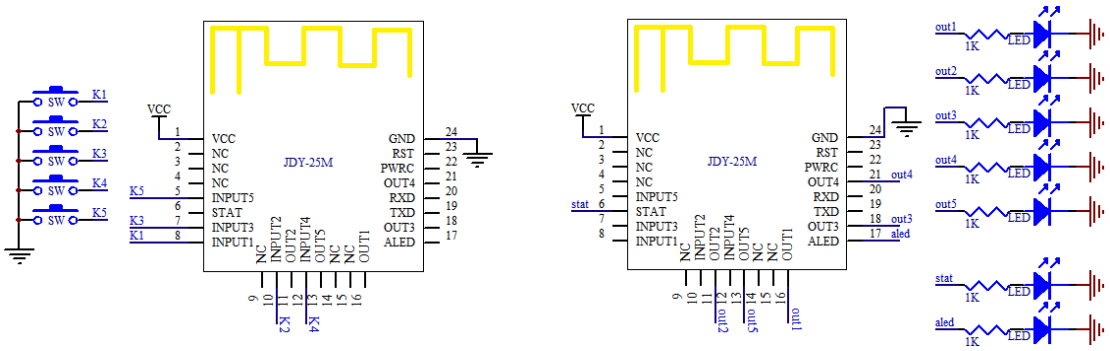
Step 1 to configure the master mode: AT+ROLE1

Step 2 to reset: AT+RESET

Step 3 to send the instruction of binding to connect the strongest signal slave nearby: AT+SRBAND

After the instruction is sent, the master will automatically bind and connect to the strongest signal slave nearby. After the binding and connection, if the user needs to bind a new slave, he can send AT+SRBAND instruction again. The module will clear the previously bound slave, and then bind and connect the strongest signal slave nearby. It will be recorded when restart next time, and the bound slave will be automatically connected. Only when the user sends the AT+CLRBAND instruction will the bound slave be cleared.

Ⅱ. Press the button to connect automatically to bind the strongest signal slave nearby



Bluetooth remote control transmitter **Bluetooth remote control receiver**

Bluetooth remote control application instruction mode 1 (LED light level flip)

Bluetooth transmitter configuration instruction **Bluetooth receiver configuration instruction**

AT+ROLE1 **AT+ROLE1**

AT+DEVCLSSF1 **AT+RESET**

AT+RESET

After the configuration of instructions through the above **transmitter** and **receiver**, the **transmitter** presses the SW5 button briefly, and the **transmitter** automatically searches for and bind the strongest signal **receiver** nearby. After the automatic connection, the LED of STAT pin is on, indicating that the binding is successful. After the binding is successful, the transmitter presses the SW1, SW2, SW3, SW4, PWRC pins briefly to control the **receiver** of LED1, LED2, LED3, LED4, LED5. The control mode is **level flip mode**.

Bluetooth remote control application instruction mode 2 (pulse level)

Bluetooth transmitter configuration instruction	**Bluetooth receiver configuration instruction**
AT+ROLE1	**AT+ROLE1**
AT+DEVCLSSF2	**AT+RESET**
AT+RESET	

After the configuration of instructions through the above **transmitter** and **receiver**, the **transmitter** presses the SW5 button briefly, and the **transmitter** automatically searches for and bind the strongest signal **receiver** nearby. After the automatic connection, the LED of STAT pin is on, indicating that the binding is successful. After the binding is successful, the transmitter presses the SW1, SW2, SW3, SW4, PWRC pins briefly to control the **receiver** of LED1, LED2, LED3, LED4, LED5. The control mode is **pulse level**.

In the mode of **AT+DEVCLSSF1** or **AT+DEVCLSSF2**, the **transmitter** supports long press of SW5 button for 6 seconds to enter into deep sleep. After sleep, the current will be several uA, and after sleep, it can be waken up by short press of PWRC pin.