User Manual of JDY-25M Slave Machine Transparent Transmission

Instruction: The slave is generally used for data communication with the mobile phone or with the JDY-25M master. The default working mode of JDY-25M is MESH network mode. The user needs to configure it as a slave. Please send the following instructions.

Step 1 to configure the slave mode: AT+ROLE0
Step 2 to send reset instruction to restart the module: AT+RESET

After the above two step's configuration, the module has entered the slave mode.
If you need to configure baud rate, you can send AT+BAUD instruction to set baud.
Example: Configure the baud rate of the module to 9600, and send instruction as follows: AT+BAUD4
        After sending the baud rate instruction, you need to send a reset instruction to restart and take effect.

For users with high power consumption requirements, power consumption can be reduced through the following instructions,
1、By setting the broadcast interval, like setting the broadcast interval to 500ms, send the instruction: AT+ADVIN4
2、Configure the module to power on sleep , AT+STARTEN0
3、Then send the reset instruction, and the restart will take effect.The module will enter the power on sleep mode after restart. In slave sleep mode, the current is at uA level, the user can send instructions to wake up the module through APP connection, PWRC key and serial port. After wake-up, if the APP is not connected or PWRC does not continue to trigger the falling edge, or the serial port has no data transmission, the module will automatically enter sleep.

For high security requirements, it is generally recommended to open the password.
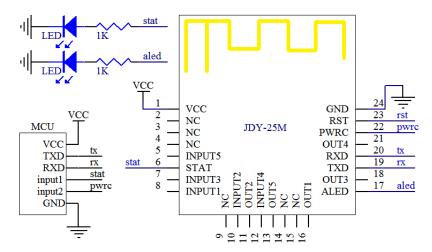AT+TYPE1or AT+TYPE2
Set password: AT+PIN112233
Send reset instruction: AT+RESET
After restart, when the mobile phone is to connect to the module, a password will be required. If the password is wrong, it will unable to communicate.
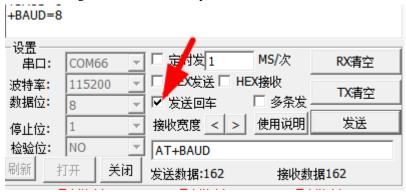The password set above is 112233, just for example, users can set their own decimal format password.

If you need to set parameters such as broadcast name, broadcast interval and so on, please refer to the APP instructions, Chapter VIII of the standard manual, which is on pages 17, 18 and 19.

The following is the wiring diagram of slave mode.

The following is how to use serial port tools.

In particular, the serial tool sends AT instruction, and the tick of **send return** is equivalent to adding \r\n AT the end of the instruction.