

User Manual of JDY-25M MESH Network

JDY-25M is MESH network module by default, and users generally do not need to set it.

Send AT+ROLE5 to configure MESH network mode, then send AT+RESET to restart to take effect.

Example 1

Configure the network NETID as 1122: AT+NETID1122

Configure the current device short address as 0005: AT+MADDR0005

To configure the device as a routing node: AT+MCLSS0

Configure the current KEY1 broadcast to control the OUT3 output IO of all devices in the network: AT+KEY1,0008,3,1

Send AT+RESET to restart to take effect. Then KEY1 can control the output IO level of all OUT3 in the network.

Example 2

Configure the network NETID as 1122: AT+NETID1122

Configure the current device short address as 0005: AT+MADDR0005

Configure the device as a low-power terminal node: **AT+MCLSS1**

Configure the current KEY1 broadcast to control the OUT3 output IO of all devices in the network: AT+KEY1,0008,3,1

Send AT+RESET to restart to take effect. Then KEY1 can control the output IO level of all OUT3 in the network.

In the low power consumption mode, the current is 3uA, press the key to send data, and when the key is released, enter to deep sleep.

Example 3

Configure the network NETID as 1122: AT+NETID1122

Configure the current device short address as 0005: AT+MADDR0005

To configure the device as a routing node: AT+MCLSS0

Restart to take effect after configuration.

Broadcast 1122334455 data to all network devices, send instructions as follows,

41 54 2b 4d 45 53 48 00 FF FF 11 22 33 44 55 0D0A

Send 1122334455 data to 0008 device in the network with ACK response. The transmitter with ACK response can know whether the receiver has received the data correctly. The instructions are as follows,

41 54 2b 4d 45 53 48 01 FF FF 11 22 33 44 55 0D0A

The OUT1 pin of control target 0008 is low level and has ACK response. The instructions are as follows,

41 54 2b 4d 45 53 48 11 0008 AB2E70100

For there are too many functions of MESH, it is recommended that the user read the PDF document of **MESH address table and user manual**.