

# Use Modbus to Modify device baud rate and address

## 1. Register Address

Register Address	PLC configuration address	Content	Operation
0100H	40101	Device Address (0-252)	Read/Write
0101H	40102	Baud rate(0-2 Represent Respectively 2400/4800/9600)	Read/Write

## 2. Read the device address and baud rate of the current device

Inquiry Frame

Address Code	Function Code	Start Address	Data Length	Check Code Low	Check Code High
0X01	0X03	0X01,0X00	0X00,0X01	0X85	0XF6

ACK Frame

Address Code	Function Code	Effective Byte Qty	Device Address Value	Check Code Low	Check Code High
0X01	0X03	0X02	0x00 0x01	0x78	0x35

Read Device Address 0X01

Inquiry Frame

Address Code	Function Code	Start Address	Data Length	Check Code Low	Check Code High
0X01	0X03	0X01,0X01	0X00,0X01	0XD4	0X36

ACK Frame

Address Code	Function Code	Effective Byte Qty	Device Address Value	Check Code Low	Check Code High
0X01	0X03	0X02	0x00 0x02	0x78	0x35

Read Device Baud rate 02 Represent 9600

## 3. Modify the address of the current device

You can modify the device with current address 1 to address 2 as follows

Inquiry Frame

Address Code	Function Code	Start Address	Revise Content	Check Code Low	Check Code High
0X01	0X06	0X01,0X00	0X00,0X02	0X09	0XF7

ACK Frame

Address Code	Function Code	Revise Address	Revise Content	Check Code Low	Check Code High
0X01	0X03	0X02	0x00 0x02	0x78	0x35

Returning a correct response will modify the address successfully.

The next modbus instruction, the address will automatically change to 02

## 4. Modify the baud rate of the current device

The baud rate of the device whose current address is 1 can be changed to 9600 as follows

Inquiry Frame

Address Code	Function Code	Start Address	Revise Content	Check Code Low	Check Code High
0X01	0X06	0X01,0X01	0X00,0X02	0X58	0X37

ACK Frame

Address Code	Function Code	Revise Address	Revise Content	Check Code Low	Check Code High
0X01	0X06	0X01,0X01	0x00 0x02	0x58	0x37

Returning a correct response indicates that the baud rate was successfully modified.

Changing the baud rate requires restarting the device to take effect.