

# Modbus Server (Modbus RTU Slave)

## HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	Modbus Server		
Com port	RS232	RS232, RS485	
Baud rate	9600	9600~115200	
Parity bit	Even	Even, Odd, None	
Data Bits	8	8	
Stop Bits	1	1	
HMI Station No.	0		
PLC Station No.	1	1-31	<b>HMI Modbus station No.</b>

## PLC Setting:

Communication mode	<b>Modbus RTU protocol</b>
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## Device address:

Bit/Word	Device Type	Format	Range	Memo
B	LB	dddd	0~9998	Mapping to 0x/1x 1~9999
W	LW	dddd	0~9998	Mapping to 3x/4x 1~9999
W	RW	dddd	0~55536	Mapping to 3x/4x 10000~65536

LB0 = 0x0001, LB1 = 0x0002, LW0 = 3x0001, LW1 = 3x0002

Modbus RTU Server doesn't support function Code 06(to preset single register), please use function code 16(0x10, preset multiple register).

## Wiring diagram:

RS-232:

**MT8000 RS232**  
9P D-SUB

COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND

Modbus RTU RS232  
9P D-SUB

RX
TX
GND

RS-485:

**MT8000 RS485 2w**  
9P D-SUB

COM1	COM3
1 RX-	6 Data-
2 RX+	9 Data+
5 GND	5 GND

Modbus RTU RS-485  
9P D-SUB

Data-
Date+
GND