REL485-4CH-12V

Baud rate: 9600,8,1,none

Set device address:

Set device address to 0x01	00 10 00 00 00 01 02 00 01 6A 00
Set device address to 0x02	00 10 00 00 00 01 02 00 02 2A 01
Set device address to 0x03	00 10 00 00 00 01 02 00 03 EB C1

Baud rate:

9600 (default)	01 B0 00 00 03 00 40 E0
1200	01 B0 00 00 00 00 40 10
2400	01 B0 00 00 01 00 41 80
4800	01 B0 00 00 02 00 41 70
19200	01 B0 00 00 04 00 42 D0
115200	01 B0 00 00 05 00 43 40

Command format:

Example (Relay 0 ON)	01 05 00 00 FF 00 8C 3A
Byte1 (0x01)	Device address
Byte2 (0x05)	Function code
Byte 3,4 (0x00 0x00)	Register address
Byte 5,6 (0xFF 0x00)	Register data
Byte 7,8 (0x8C 0x3A)	CRC check

Turn ON/OFF relays:

Turn ON Relay 0	01 05 00 00 FF 00 8C 3A
Turn OFF Relay 0	01 05 00 00 00 00 CD CA
Turn ON Relay 1	01 05 00 01 FF 00 DD FA
Turn OFF Relay 1	01 05 00 01 00 00 9C 0A
Turn ON Relay 2	01 05 00 02 FF 00 2D FA
Turn OFF Relay 2	01 05 00 02 00 00 6C 0A
Turn ON Relay 3	01 05 00 03 FF 00 7C 3A
Turn OFF Relay 3	01 05 00 03 00 00 3D CA

Read relays status:

Read all relay status	01 01 00 00 00 08 3D CC

Toggle Relay:

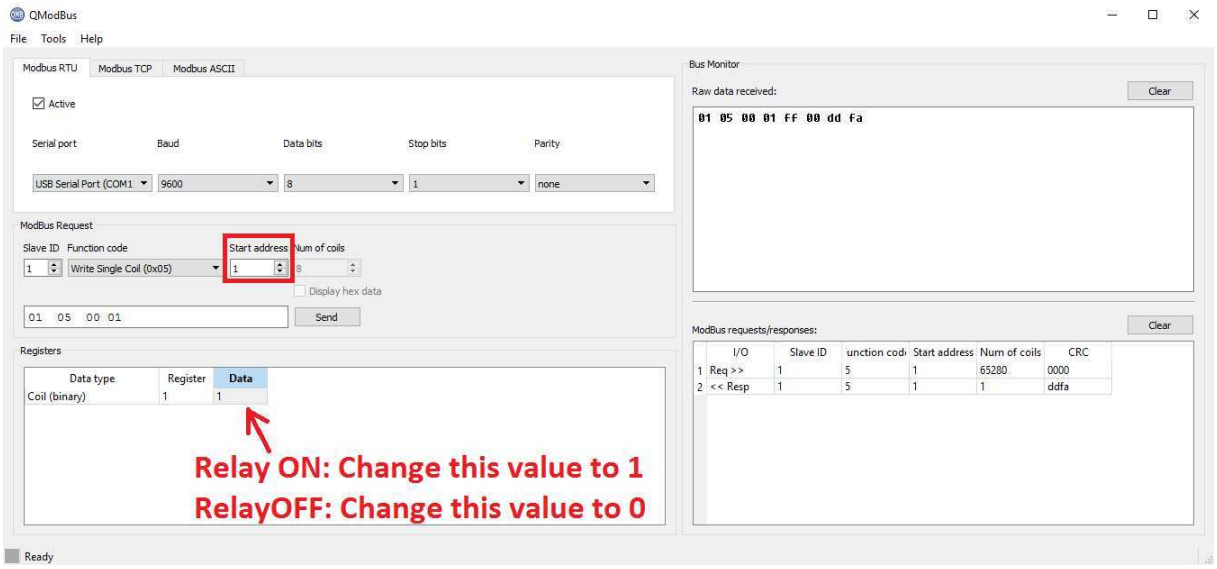
Toggle Relay 0	01 05 00 00 55 00 F2 9A
Toggle Relay 1	01 05 00 01 55 00 A3 5A
Toggle Relay 2	01 05 00 02 55 00 53 5A
Toggle Relay 3	01 05 00 03 55 00 02 9A
Toggle All	01 05 00 00 5A 00 F7 6A

Read Inputs:

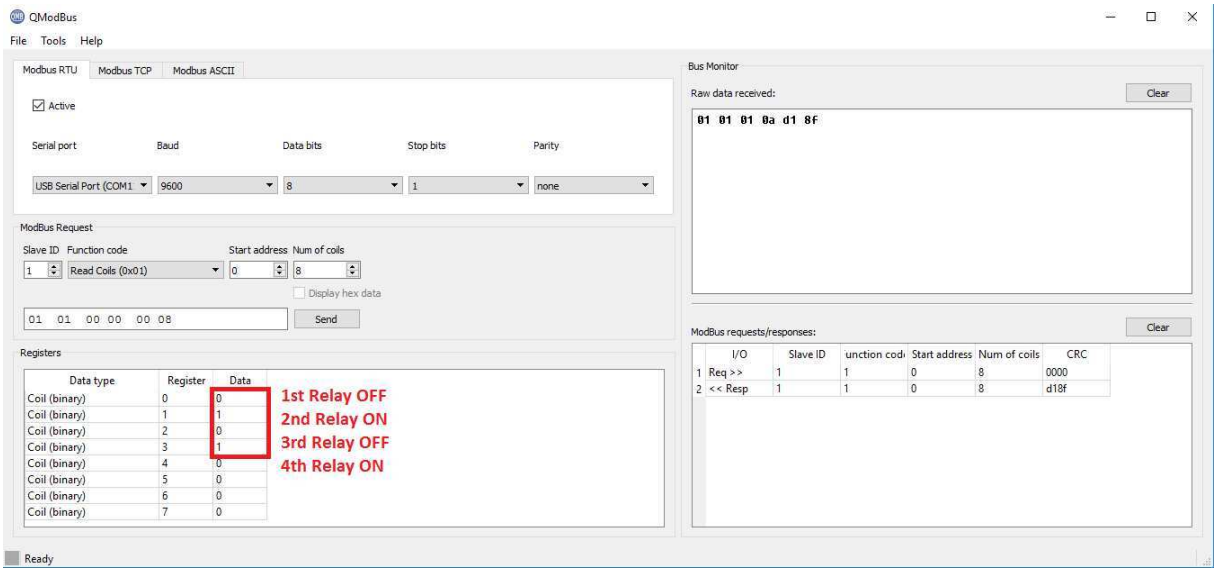
Read inputs	01 02 00 00 00 08 79 CC

Examples:

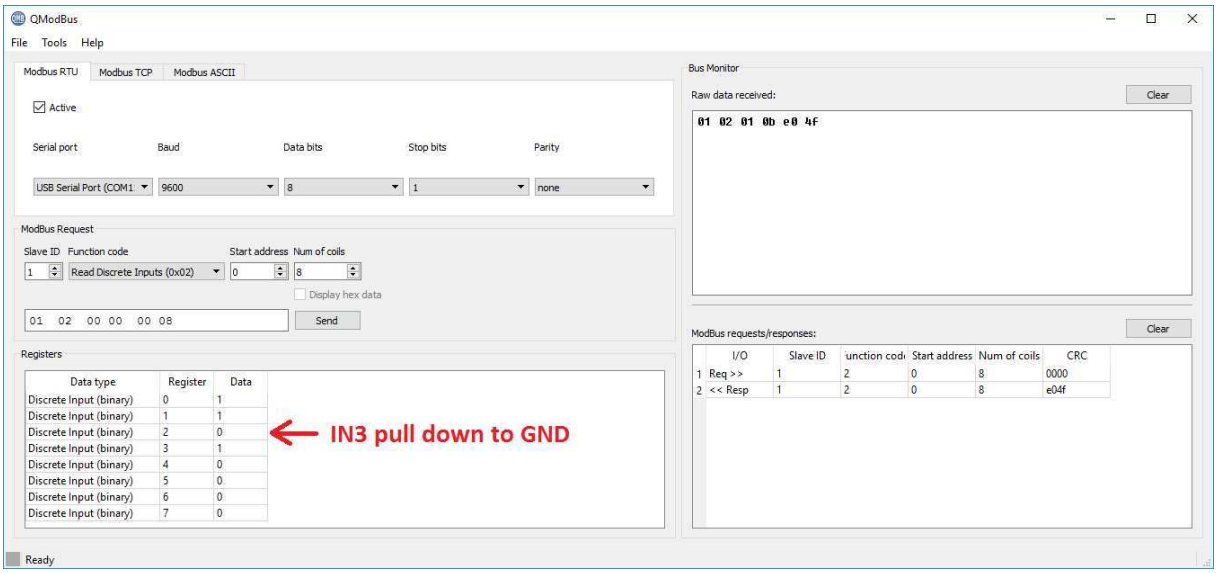
Set the 2nd relay ON (1st relay start address is 0x00 and the 2nd relay is 0x01!):



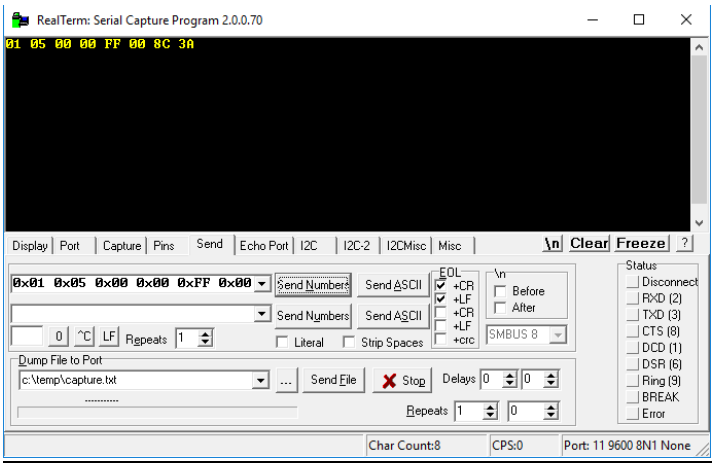
Read relay status:



Read Inputs states (for activation it must be pulled to GND, in the default state it is pulled up to 3.3V):



Turn ON the 1st relay in Realterm:



Copyable formats:

Set device address:

Set device address to 0x01	0x00 0x10 0x00 0x00 0x00 0x01 0x02 0x00 0x01 0x6A 0x00
Set device address to 0x02	0x00 0x10 0x00 0x00 0x00 0x01 0x02 0x00 0x02 0x2A 0x01
Set device address to 0x03	0x00 0x10 0x00 0x00 0x00 0x01 0x02 0x00 0x03 0xEB 0xC1

Command format:

Example (Relay 0 ON)	0x01 0x05 0x00 0x00 0xFF 0x00 0x8C 0x3A
Byte1 (0x01)	Device address
Byte2 (0x05)	Function code
Byte 3,4 (0x00 0x00)	Register address
Byte 5,6 (0xFF 0x00)	Register data
Byte 7,8 (0x8C 0x3A)	CRC check

Turn ON/OFF relays:

Turn ON Relay 0	0x01 0x05 0x00 0x00 0xFF 0x00 0x8C 0x3A
Turn OFF Relay 0	0x01 0x05 0x00 0x00 0x00 0x00 0xCD 0xCA
Turn ON Relay 1	0x01 0x05 0x00 0x01 0xFF 0x00 0xDD 0xFA
Turn OFF Relay 1	0x01 0x05 0x00 0x01 0x00 0x00 0x9C 0x0A
Turn ON Relay 2	0x01 0x05 0x00 0x02 0xFF 0x00 0x2D 0xFA
Turn OFF Relay 2	0x01 0x05 0x00 0x02 0x00 0x00 0x6C 0x0A
Turn ON Relay 3	0x01 0x05 0x00 0x03 0xFF 0x00 0x7C 0x3A
Turn OFF Relay 3	0x01 0x05 0x00 0x03 0x00 0x00 0x3D 0xCA

Read relays status:

Read all relay status	0x01 0x01 0x00 0x00 0x00 0x08 0x3D 0xCC

Toggle Relay:

Toggle Relay 0	0x01 0x05 0x00 0x00 0x55 0x00 0xF2 0x9A
Toggle Relay 1	0x01 0x05 0x00 0x01 0x55 0x00 0xA3 0x5A
Toggle Relay 2	0x01 0x05 0x00 0x02 0x55 0x00 0x53 0x5A
Toggle Relay 3	0x01 0x05 0x00 0x03 0x55 0x00 0x02 0x9A
Toggle All	0x01 0x05 0x00 0x00 0x5A 0x00 0xF7 0x6A

Read Inputs:

Read inputs	0x01 0x02 0x00 0x00 0x00 0x08 0x79 0xCC