

USER MANUAL

JQ-AS-MCP-1024-064

Ethernet to JQNET/DMX-512 Interface



INDEX

1. INTRODUCTION.....	3
1-1 FEATURES	3
1-2 SPECIFICATIONS.....	4
1-3 INTRODUCTION	4
1-4 WIRING	5
2 OPERATIONS.....	6

1. Introduction

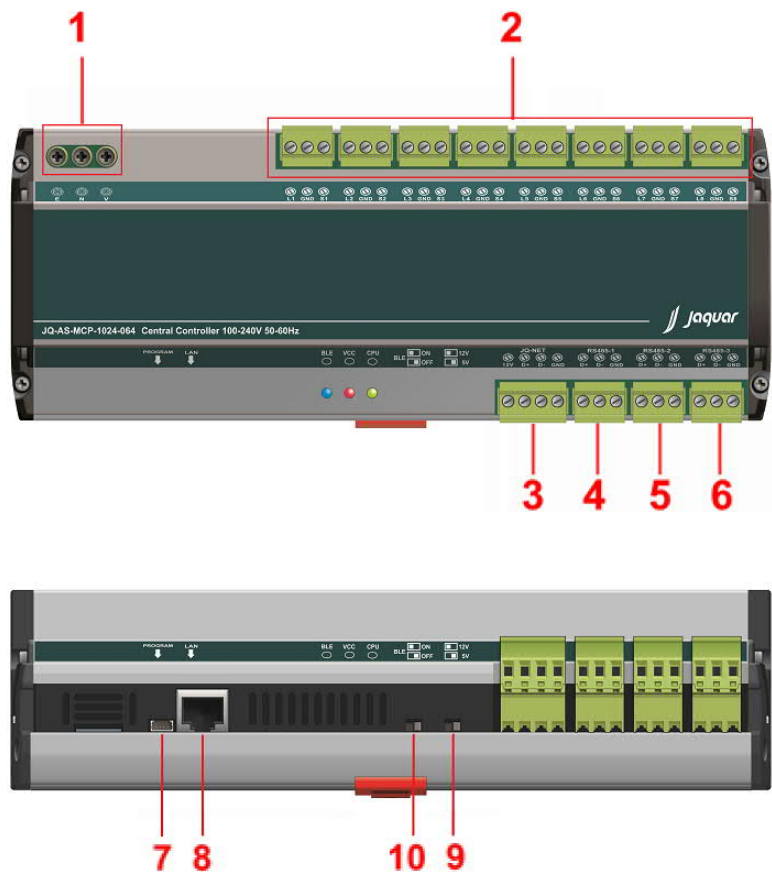
1-1 Features

1. Jaquar-MCP system
2. Two DMX-512 universes. Up to 1024 channels.
3. Up to 64 zones, 16 scenes can be stored in each zone.
4. ECP panels compatible.
5. Built-in timer and astronomical timer.
6. Programmable by JQASMCP GUI.
7. 8 dry contact inputs.
8. Emergency scene feature
9. MODBUS RTU support

1-2 Specifications

1. AC Input: 100 - 240V AC
2. Protocol: JQNET (control panels), DMX-512 (dimmers packs, switch packs, or other DMX-512 modules), MODBUS RTU
3. Dry contact inputs x 8
4. Dimension: 234mm (W) x 64mm (H) x 90mm (D)
5. Weight: 660g

1-3 Introduction



1	AC Input	7	Programming Port
2	Dry Contacts x 8	8	Ethernet (RJ-45)
3	JQNET port	9	5V/12V Switch (LED indicators of dry contacts)
4	RS-485-1 (DMX-1)	10	Reserved
5	RS-485-2 (DMX-2)		
6	RS-485-3 (MODBUS RTU)		

1-4 Wiring

1-4-1 Signal Wiring

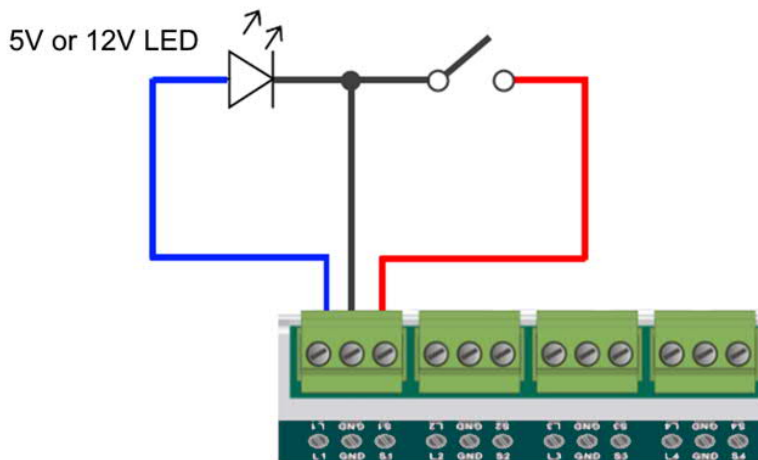
JQ-AS-MCP-1024-064 runs MCP System, which combines JQNET and DMX-512 protocol together.

A typical NCO system utilizes JQNET port to connect to ECP (control panels) and DMX-512 output to control the dimmers, switch packs, curtain controllers. The lighting scenes and data are all stored in JQ-AS-MCP-1024-064. Please refer the figure in next page.

In Jaquar-MCP system, be sure that JQNET dimmers and EPX switch packs are connected to DMX-512 port of JQ-AS-MCP-1024-064 and set proper DMX-512 addresses of the devices.

Mistakenly connecting ECP panels to DMX-512 port or connecting dimmer modules to JQNET port might cause the system not work correctly.

1-4-2 Dry Contact Inputs Wiring



5V or 12V LED is determined by a 5V/12V switch. Please refer 1-3.

2 Operations

Please refer the manual of JQASMCP GUI