DMX-PM08R

DMX Power Sequencer

CE RoHS 2002/95/EC

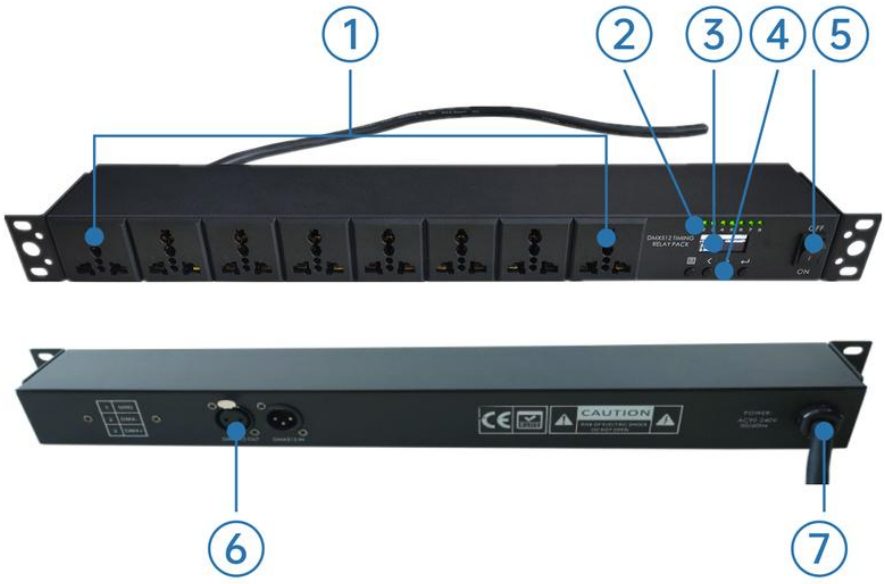
Welcome to use the DMX-PM08R DMX power sequencer. This sequencer combines the functions of a sequencer and an intelligent switch. Through delay settings, it can effectively prevent high-current impact caused by simultaneous power-on, providing strong protection for lighting equipment and power supply systems.

The sequencer supports DMX512 and RS485 control modes, and can also be manually switched on/off via buttons. When working in DMX mode, its unique output hold function can prevent fixture power-off caused by DMX console signal loss or signal power failure, bringing a better user experience to banquet halls, exhibition halls, and museum projects.

1. Specifications:

Model No.	DMX-PM08R
Input Voltage	100-240V AC
Input Signals	DMX512, RDM, RS485
Input Current	25A Max. (Plug)
Output Port	8 ways
Output Power	1000W rated per way
DMX Channels	2 / 8 / 10CH
Other Functions	Sequencer, Manaul Control, Output Hold
Installation	1U Rack-mounted, Screw

2. Appearance:



① Output Socket ② Output Indicator ③OLED Display

④ Operation Buttons ⑤ Power Switch ⑥ DMX/RS485 Input ⑦ Power Cord

Button				
Funtion	Return	Decrease	Increase	Enter

2.1 Buttons

（1） Return：Returns to the previous menu; if no changes are saved, the modified content will be cleared;

（2） Increase/Decrease：Switch the menu to operate; in the last-level menu, select specific parameters and input values.

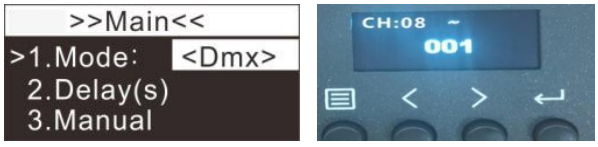
（3） Enter：Short press to enter the next-level menu; when inputting parameters, long press to restore default values.

（4） Long press the and buttons for 3 seconds to restore all parameters to default values;

（5） If the start delay time is too long, long press for 3 seconds to temporarily skip the delay parameter;

3. Working Mode:

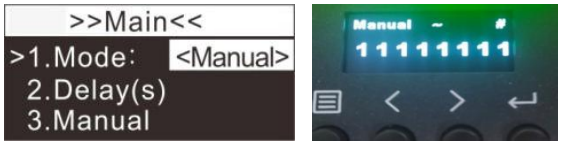
3.1 DMX Sequencer



In DMX mode, the screen displays the channel mode and DMX address code of the sequencer.

3.2 RS485 Sequencer

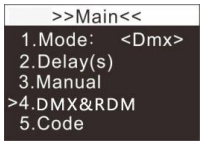
3.3 Manual Control Mode



In manual mode, the status of 8 output circuits is displayed, where "1" indicates output on and "0" indicates output off.

4. DMX Channels

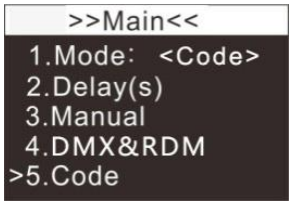
The DMX sequencer has three channel modes: 2-channel, 8-channel, and 10-channel. Among them, **in 2-channel and 10-channel modes, the output can be held to prevent abnormal power-off caused by console power failure or input DMX0.**



2-CH	8-CH	10-CH	Name	DMX Value	Function
1	/	1	Master Control	0-7	Status hold
				8-127	All Off
				128-255	All On (10-Channel mode, Enable Single Control)
2	/	2	Sequence Time	0-7	Sequence time: 0
				8-255	Sequence time: 40ms-10s
/	1	3	Port 1	0-127	OFF
				128-255	On
/	2	4	Port 2	0-127	OFF
				128-255	On
/	3	5	Port 3	0-127	OFF
				128-255	On
/	4	6	Port 4	0-127	OFF
				128-255	On
/	5	7	Port 5	0-127	OFF
				128-255	On
/	6	8	Port 6	0-127	OFF
				128-255	On
/	7	9	Port 7	0-127	OFF
				128-255	On

/	8	10	Port 8	0-127	OFF
				128-255	On

5. RS485 Sequencer



In RS485 sequencer mode, the baud rate can be modified to match the central control equipment.

RS485 commands are required to be in hexadecimal, with a valid byte count of 3. The RS485 commands are as follows:

Port	Output Status	485 Command
Port 1	On	FD 01 03
	Off	FC 01 03
Port 2	On	FD 02 03
	Off	FC 02 03
Port 3	On	FD 03 03
	Off	FC 03 03
Port 4	On	FD 04 03
	Off	FC 04 03
Port 5	On	FD 05 03
	Off	FC 05 03
Port 6	On	FD 06 03
	Off	FC 06 03
Port 7	On	FD 07 03
	Off	FC 07 03
Port 8	On	FD 08 03
	Off	FC 08 03