MODULAR RDM DISTRIBUTOR

User`s Manual

Ver 1.0

Brief Introduction:

It is a RDM-DMX512 signal distributor product with built-in international standard RDM (Remote Device Management) lighting protocol for two-way communication. It offer the way of two-way communication for RDM, sharp and amplify RDM and DMX data also can expand input signals into multiple outputs. So that it strength the transmit distance of signal, increase the number of fixtures that can be connected to the controller, guarantee the stability of signal.

It offer independent power supply for each port. Adopt photoelectric isolation technology for each signal port to let each port no electrical connection exists between the ports, and each pin of each port is equipped with a surge high voltage absorption and protection circuit. Therefore, the crosstalk between high-voltage pulses in the network is effectively blocked, the high-voltage pulses are suppressed, and the security of devices in the network and the reliability of communication are guaranteed.

It adopts a new module design scheme, each input and output port is an independent module. This scheme not only can facilitate any combination of 3-core 5-core modules, but also facilitate field maintenance and use. Convenient for field application requirements and equipment maintenance, saving time and costs.

It also support "Separate- Combine" function on site,just need to press the switch,it will "separate" two pieces 4way RDM device,or "combine" to one piece 8way RDM device. Provides on-site emergency requirements, enhances the flexibility of equipment matching, reduces the number of equipment, saves equipment space, and also saves costs.

It is suitable for:

1）Achieve long distance transmission of RDM-DMX512 signal；

2）Expand the number of fixtures；

3）Need to strength signal,and filter out signal interference；

4）The signal ports need to be electrically isolated from each other；

5）Need to implement the RDM console to remotely set parameters or read parameter applications of RDM lamps (such as: setting lamp address, reading lamp library, etc.)；
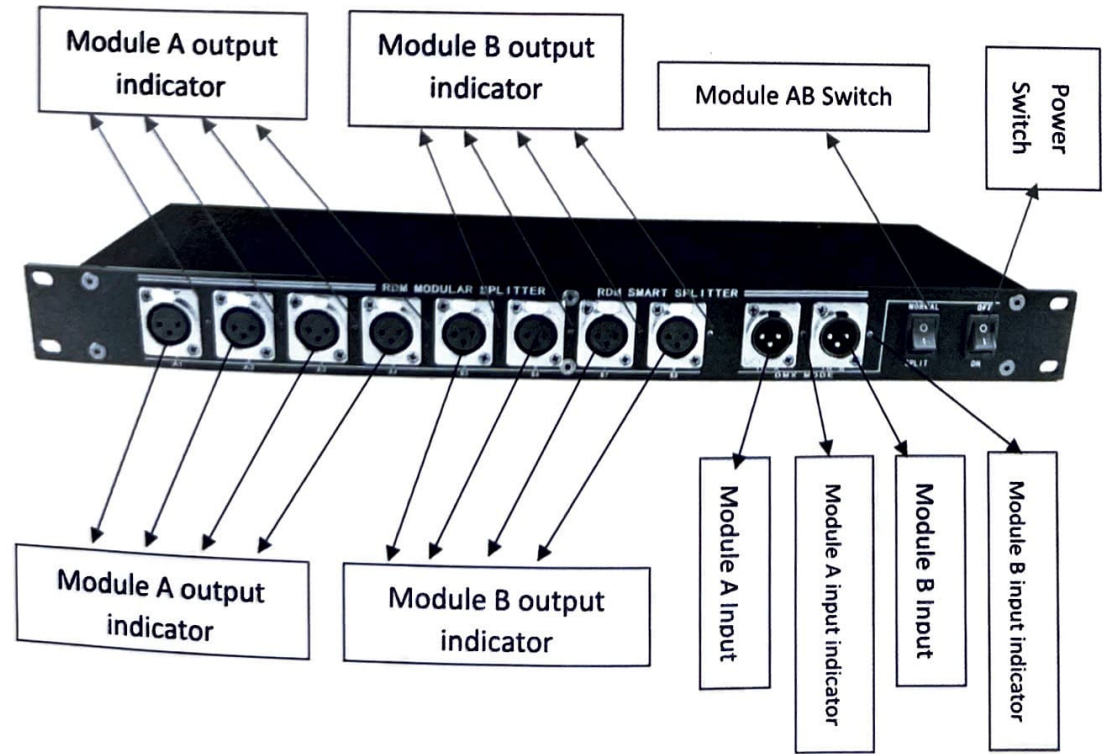
Technical Parameters:

Voltage	AC110-60Hz / AC220V-50Hz
Input and output Agreement	International RDM Agreement
Two way signal transmission	Support
transmission capacity	Supporting 512-1024channels's real time transmission
Signal output	Two groups 1in4out and 1in 8out
The canon of Signal connection	Input XLR-3-M, output XLR-3-F
The mode of port	RS-485
Political isolation of the input to the output	＞AC300V
Appearance size	484*45*140mm "19"1U
Weight	2.38kg

PC list:

PC NO.	PC	QTY
1	RDM splitter	1
2	Power cable	1
4	User manual	1

Panel introduction:

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RDM signal input (output)canon is 3-XLR connector-pin port allocation:

3-XLRconnector-pin port	signal
1	Earth （shield）
2	Data -
3	Data +

Apply introduction:

Signal input

Directly output

Digital lighting controller

DMX Sigal distributor

DMX Sigal distributor

4 way or 8 way signal output

Digital dimmer pack

Digital dimmer pack

Digital dimmer pack