DMX NETBUS

DMX-UDP

Welcome to DMX-UDP DMX NETBUS, which input DMX512 or RS485 signals, convert to RS485 and UDP signals. DMX-UDP can control ethernet dmx controller, power module. It's an ideal product for lighting projects, exhibition halls, museums, hotels, shopping malls and other lighting projects.

DMX-UDP, built-in protocol, It can control all ethernet DMX Controller (SLESA, DINA, STICK, SUNLITE, DASLIGHT) from Nicolaudie Group. You can choose 1 DMX controller as the master control and the others as slave controllers. With the ethernet switch, you can control hundreds of controllers Synchronization.

1. Specification

Model	DMX-UDP
Input Voltage	5V DC
Ethernet Port	RJ45, 10/100Mbps
Default IP Add.	192.168.1.85
UDP order	Specify IP, Broadcast
DMX Port	Screw Socket
DMX Add.	511 (Modifiable)
Temperature	-10~60℃
Dimension	145*90*40mm
Installation	Screw, DIN Rail

2. Model List

Model	Ethernet DMX Controller
DMX-UDP-42	SLESA-U11 / SUNLITE-EC / CQ-CE42 / CQ-CM42 / CQ-CE41 / CQ-CM41S
DMX-UDP-62	DINA-DR1 / DINA-DR1-LITE
DMX-UDP-31	DINA-DR2 / DINA-DR2-LITE / CQ-CE31
DMX-UDP-MR	MR-3F12B / MR-328DW
DMX-UDP-PM	PM0416 / PM0432 (Intelligent Power Module)

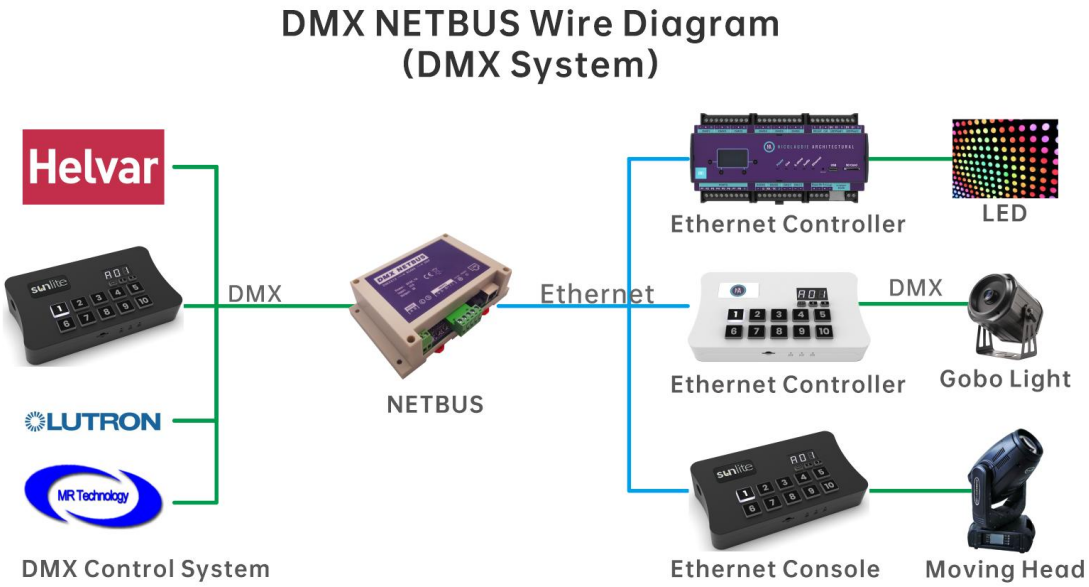
3. Features

- Input DMX, Output 30 * RS485 / UDP
- Input short RS485, Output 60 * long UDP
- Support all ethernet DMX Controller from Nicolaudie, Sunlite, Daslight
- 1 Master, hundreds slave controller
- Multiple devices cascade to control more devices
- Network offline , work in stand alone
- Network recovery, automatic synchronous

4. Wire Diagram

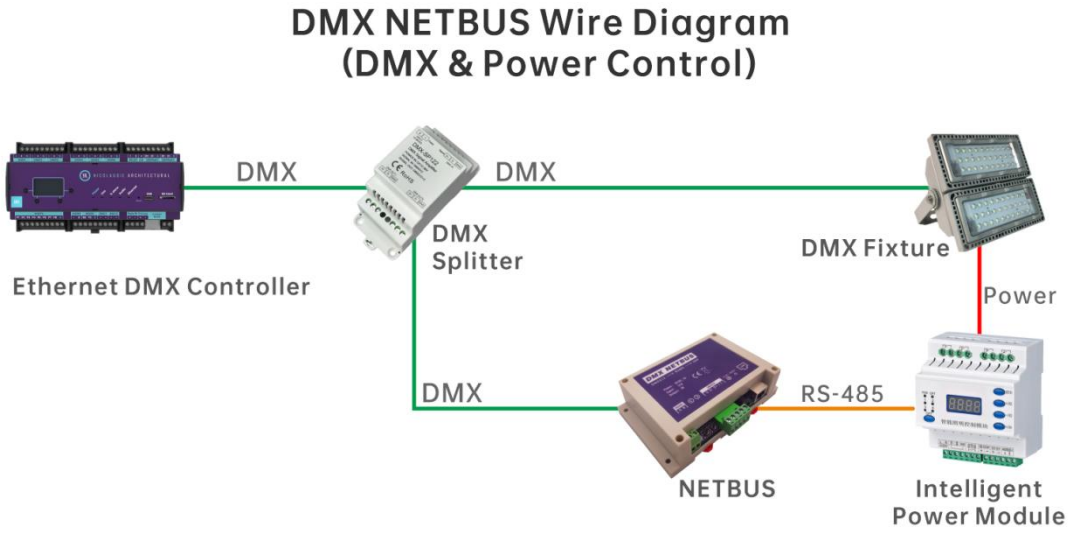
(1) Master-Slave Synchronization Control

Program LEDs, gobo lights, moving head and save dynamic light programs via a ethernet console. Through the NETBUS, you can use DMX master control systems such as Mingrui, Helvar, LUTRON, SUNLITE, etc., to call the program of the offline console to realize the integrated control of lighting projects.



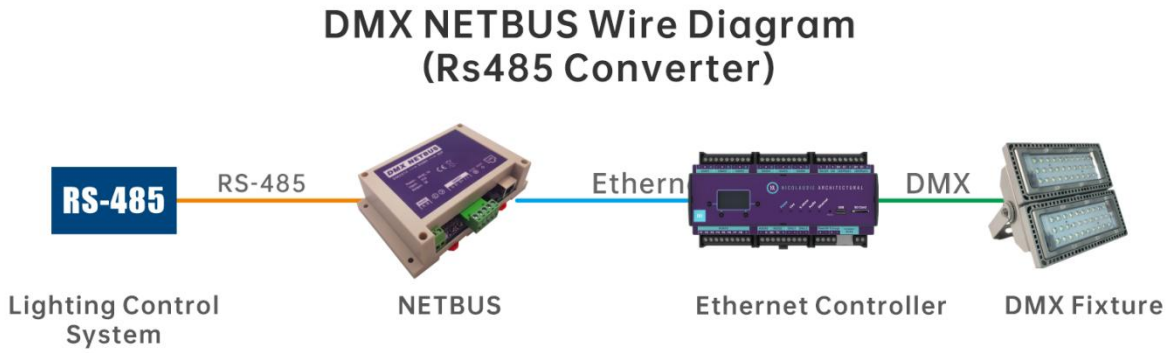
(2) Power & DMX Control

The NETBUS can output RS485 signals, and can be programmed in the same system with the power supply and DMX through the main control software programming and network DMX controller, so as to realize the unified management of power supply and lighting scenes, and further simplify the control system.



(3) RS485 Instruction Conversion

485 conversion control for connecting to other lighting control systems, with only 6 bytes of RS485 instructions, you can control the ethernet DMX console.

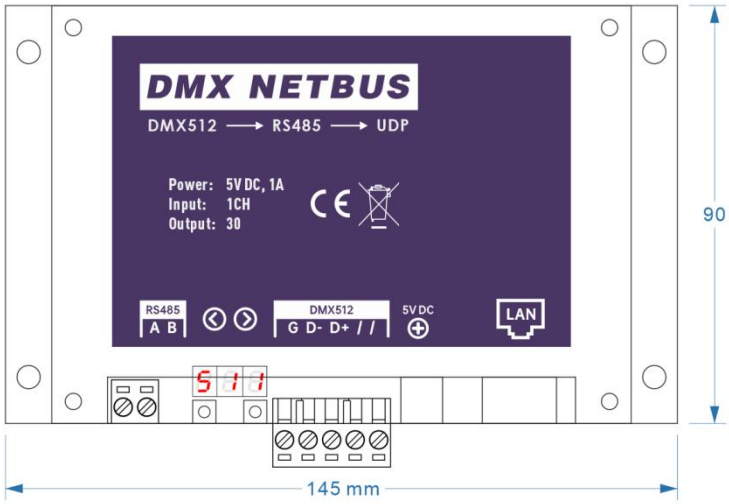


RS485 Parameters: 9600bds, 8 bits, no Parity, 1 Stop bit

Format: HEX. The last number is scene number: 01, 02, 03...

- **Scene 1**: 43 51 44 4d 58 **01**
- **Scene 2**: 43 51 44 4d 58 **02**
- **Scene 3**: 43 51 44 4d 58 **03**

5. Dimensions



6. DMX Channels

DMX-UDP used 1 DMX channel, you can **Click to Download** the SSL2 file.

DMX Value	% Percent	Function	Power Module	DMX Value	% Percent	Function	Power Module
0-7	0	No Func.	No Func.	128-135	52	Scene 16	A004-2 Off
8-15	5	Scene 1	A003 On	136-143	55	Scene 17	A004-3 On
16-23	8	Scene 2	A003 Off	144-151	58	Scene 18	A004-3 Off
24~31	11	Scene 3	A003-1 On	152-159	61	Scene 19	A004-4 On
32-39	14	Scene 4	A003-1 Off	160-167	64	Scene 20	A004-4 Off
40-47	17	Scene 5	A003-2 On	168-175	67	Scene 21	A005 On
48-55	20	Scene 6	A003-2 Off	176-183	70	Scene 22	A005 Off
56-63	23	Scene 7	A003-3 On	184-191	74	Scene 23	A005-1 On
64-71	26	Scene 8	A003-3 Off	192-199	77	Scene 24	A005-1 Off
72-79	30	Scene 9	A003-4 On	200-207	80	Scene 25	A005-2 On
80-87	33	Scene 10	A003-4 Off	208-215	83	Scene 26	A005-2 Off
88-95	36	Scene 11	A004 On	216-223	86	Scene 27	A005-3 On
96-103	39	Scene 12	A004 Off	224-231	89	Scene 28	A005-3 Off
104-113	43	Scene 13	A004-1 On	232-239	92	Scene 29	A005-4 On
114-119	46	Scene 14	A004-1 Off	240-247	95	Scene 30	A005-4 Off
120-127	48	Scene 15	A004-2 On	248-255	99	No Func.	No Func.

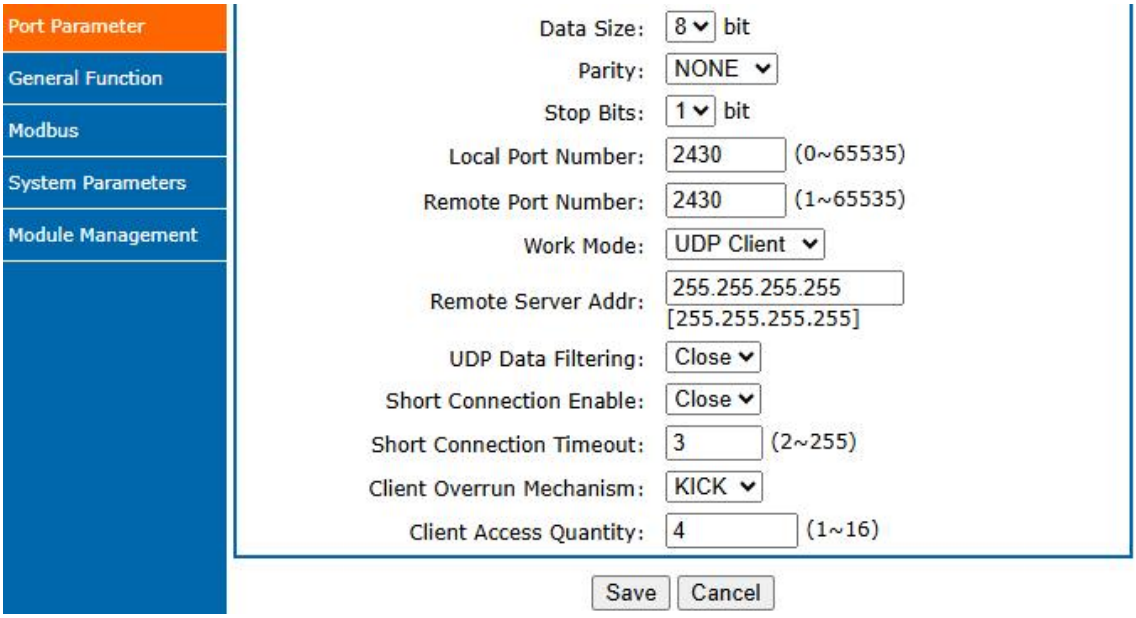
7. Parameter setting

(1). Modify the DMX address

The default DMX starting address of the netbus is 511, you can hold down the "<", after the digital display jumps, modify the DMX address through "<" and ">", 10 seconds after release the button, the digital display will stop flashing, and the new address will be automatically saved.

(2). Modify the network parameters

The default IP address of the gateway is 192.168.1.85, if you want to modify the IP address, IP address of the slave controller, UDP port and other parameters, you can access 192.168.1.85 through the web browser and modify the parameters in the interface.



8. FAQs

1. How many DMX controller can the DMX-UDP connect to?

The DMX-UDP supports broadcasting and sending UDP instructions, and through the ethernet switch, hundreds of ethernet consoles can be controlled.

2. Can I control other ethernet light controllers?

Yes, the DMX-UDP can customize the control protocol and be compatible with other system devices.