LM501 controller for Madrix manual

-, 501 setup:

1. Set controller IP address, must different with computer

2. Set ART-NET parameter:

Universe: choose 1;

Output: 1-univ means 512 channels each port; 2-univ: 2*512 channels per port; 3-univ: 3*512 channels per port (for standard DMX, choose 1-univ)

Slaves: choose slavers quantity for project. Note: 1-univ max 11pcs slaver controllers 2-univ max 5pcs slaver controllers 3-univ max 3pcs slaver controllers;

Driver: choose the IC type;

Lamp: If find rgb color not the same as your setting, can change rgb sequence

\Box , MADRIX software setup:

- Connect LM501 controller to computer, power on the controller, For example, computer IP set to 192.168.1.90; universe: 1; Output: 3-univ; Slaves: 1; Driver: P9813; Lamp: RGB。
- Open software MADRIX; choose Preferences→DeviceManager...Or press F4, will show below:

U Device Manager	
DMX Devices DVI Devices DMX Input Art-Net MIDI Audio Input Visualizer	
State Name Universe OUT / N ms / FPS F m 3 Image: Off ArtNet Remote (MADRIX) Port 0 IN 25/40.0 0	Device ArtNet Remote (MADRIX) Port.0
ever.	ArtNet Remote (sync) IP: 192.168.1.11 , Uni: out 1 MADRIX 3.x incage
Dack	Settings Enable Output
WW.F	Universe : 12
N.	Frame Time (ms) : 25
Rescan For Devices Highlight Device Watch Universe Universes in use OUT: 0/266 IN: 0	Configure Device
CF 🖬	Apply Cancel Help

Choose "Art-Net" tab:

Device Manager					
DMX Devices DVI Devic	ces DMX Input	Art-Net MIDI Audi	io Input Visualizer		
Name	Count.Net	Universe	IP /MAC		Enable
ArtNet Remote	1	1 192.	ackever.	nly from 192.168.1	Sync Refresh New Copy
Find Auto			Hostname : X450C-PC	Count :	Contig By Web 1 Delete
	i		-	OK Apply	Cancel Help

Press bottom left"Find Auto"to look for controllers, after some seconds will show below:

Device Manager	1		and an	
MX Devices DVI Device	es DMX Input	Art-Net MIDI	Audio Input Visualizer	
Name	Count/Net	Universe	IP / MAC	Enable
ArtNet Remote	- 1	1	192.168.1.11 / 74:D0:2B:1A:9E:24 (receive only from 192.168.1	Sync
YM-LM501	4 / 0x1	21, 22, 23, 24	192.168.1.95 / 20:6A:C0:A8:01:5F (send only to 192.168.1.95)	
YM-LM501	4 / 0x1	17, 18, 19, 20	192.168.1.94 / 20:6A:C0:A8:01:5E (send only/1002.168.1.94)	
YM-LM501	4	13, 14, 15, 16	192.168.1.93 / 20:6A:CO:A8:01:5D (sen 10, to 192.168.1.93)	
YM-LM501	4	9, 10, 11, 12	192.168.1.92 / 20:6A:C0:A8:00:5C control only to 192.168.1.92)	
YM-LM501	4	5, 6, 7, 8	192.168.1.91 / 20:64 (1) 301.5B (send only to 192.168.1.91)	
YM-LM501	4	1, 2, 3, 4	192.168.1.0 (1924 CO:A8:01:5A (send only to 192.168.1.90)	
	W	NN.	pacir	Refresh New Copy Edit Contig By We
Find Auto			Hostname : X450C-PC Count :	7 Delete
			OK Apply	Cancel Help

Here it show 24pcs Universe, as we choose 3-Univ, each Universe related the controller port as below:

PORT	Universe

LM501 Port1	1, 2, 3
LM501 Port2	4, 5, 6
LM501 Port3	7, 8, 9
LM501 Port4	10, 11, 12
slaver Port1	13, 14, 15
slaver Port2	16, 17, 18
slaver Port3	19, 20, 21
slaver Port4	22, 23, 24

Change data send broadcast, double click above "YM-LM501"table item , change"Send Direct:"to"Send Broadcast"; like below:

Art-Net Device Configuration
Manufacturer: unknown
Product: developer Firmware: v/240.254
DEM Code : 0x00FF
Esta / 0x0000 - ESTA - PLASA
Short Name : VM-LM501
Long Name : Artnet to TM18041
Port Count: 4 Sub Switch 2 (Dv)
State : Port 1: Disabled Port 2: Disabled Port 3: Disabled Port 4: Disabled
Subswitch / Universe Subswitch / Universe Subswitch / Universe Subswitch / Universe
Universe Part DUT : 21 (0v1 (0v 👽 22 (0v1 (0v 👽 23 (0v1 (0v 💌 24 (0v1 (0v
Port IN :
MAC : 20:6A:C0:A8:01:5F
Style Code : node
Port: 6454
Send Direct : 🔲 Send Data G. To Address 192 168 1 95
IP: 192 168 1 95
Send Broadcast : 🔄 Send Data To "Directed Broadcast Address" 192,168,1,255
Network : 192 168 1 11 255 255 255 0 74 D0 28 1A 95 24 100 MBit/s
OK Apply Cancel

Press"OK"; and repeat this step, change all"YM-LM501"to"Send Broadcast"

Name	Count/Net	Universe	P /MAC	nable
tNet Remote	1	1	192.168.1.11 / 74:D0:2B:1A:9E:24 (receive only from 192.168.1	Sync
4-LM501	4 / 0x1	21, 22, 23, 24	192.168.1.95 * / 20:6A:C0:A8:01:5F / e.d to "directed broadcast	
M-LM501	4 / 0x1	17, 18, 19, 20	192.168.1.94 * / 20:6A:C0:A8:01:55 (send to "directed broadcas	
d-LM501	4	13, 14, 15, 16	192.168.1.93 * / 20:6A:C0:A9:0 5 (send to "directed broadcas	
A-LM501	4	9, 10, 11, 12	192.168.1.92 * / 20:6A CO: 4 1:5C (send to "directed broadcas	
d-LM501	4	5, 6, 7, 8	192.168.1.91 * / 20;64 0;43:01:5B (send to "directed broadcas	
M-LM501	- 4	1, 2, 3, 4	192.168.1.90 * / 2 0:A8:01:5A (send to "directed broadcast	
		- MA	packe	Refresh New Copy Edit fig By W

Press"Sync...", choose synchronization as below:



Devi	Ces DVI Devices DMX input Art-Net MDI	Audio Input	Visualizer			- Device
ate	Name	Universe		ms/FPS	Frames	
OII	Annet Remote (MADRIX) Portu			25/40.0		
01	TW-LM501 (192.106.1.90) Porto	2	001	25/40.0	Optimized	
011	TM-LMOUT (192.168.1.90) POIL1	2	OUT	25/40.0	Optimized	
OII	TM-LM501 (192.168.1.90) Port2	3	001	25/40.0	Optimized	
Off	TW-LM501 (192.108.1.90) P01L3	4	001	25/40.0	Optimized	Settings
OII	TM-LMOUT (192.100.1.91) FUILU	c e	OUT	25/40.0	Optimized	Enable Output
Off	TM-LMOUT (192,106,1,91) PUIL1	7	OUT	251 AC 0	Optimized	input 🔄
01	VM.LM501 (192.160.1.91) P012	0		25/40.0	Optimized	Universe :
Off	VM LM501 (192.100.1.91) P01L3	°	Olur	25/40.0	Optimized	
01	VM I M601 (102 169 1 02) Port 1	-	OUT	25/40.0	Optimized	
01	VM-LM501 (192.169.1.92) Port2		OUT	25/40.0	Optimized	Frame Time (ms):
Off	YM-I M501 (192 168 1 92) Port 3	12	OUT	25/40.0	Ontimized	FPS: 40.0
Off	VMJ M501 (192 169 1 93) Ports	12	OUT	25/40.0	Optimized	Full Frames : 🖂
Off	YM-I M501 (192 168 1 93) 50	14	OUT	25/40.0	Ontimized	
Off	VMJ M501 (192 1684 13) 9 12	15	OUT	25/40.0	Ontimized	
Off	YM-LM501 (192, 58, 93) Port 3	16	OUT	25/40.0	Ontimized	
Off	YM-1 M501 119 168 1 94) Port 0	17	ОЛТ	25/40.0	Ontimized	
Off	YM-LM5 (192168194) Port1	18	олт	25/40.0	Optimized	
off	YM-LM501 (192 168 1 94) Port 2	19	OUT	25/40.0	Optimized	
Off	YM-LM501 (192,168,1.94) Port3	20	OUT	25/40.0	Optimized	
Off	YM-LM501 (192 168 1 95) Port 0	21	OUT	25/40.0	Optimized	
off	YM-LM501 (192.168.1.95) Port1	22	OUT	25/40.0	Optimized	
Off.	YM-LM501 (192.168.1.95) Port 2	23	OUT	25/40.0	Optimized	
off	YM-LM501 (192.168.1.95) Port3	24	OUT	25/40.0	Optimized	
					0117 0.050 11 0	Configure Device

Press"OK"and back to last window, choose"DMX Devices"as below

Open DMX devices, use mouse to choose all"YM-LM501"table item, click rightside"Enable"to turn all Universe from Off to On as below:

state	Name	Universe	OUT / IN	ms / FPS	Frames	Device
Off Ar	tNet Remote (MADRIX) Port:0		IN	25/40.0		YM-LM501 (192.168.1.90) Port:0
On YN	4-LM501 (192.168.1.90) Port:0	1.1	OUT	25/40.0	Optimized	
On YM	4-LM501 (192.168.1.90) Port.1	2	OUT	26/40.0	Optimized	TM-LM501 (syno) IP: 192.168.1.90 *, Uni: out 1
On Yh	4-LM501 (192.168.1.90) Port 2	3	OUT	25/40.0	Optimized	developer unknown
On Yi	4-LM501 (192.168.1.90) Port3	4	OUT	25/40.0	Optimized	- Settings
On YM	4-LM501 (192.168.1.91) Port:0	5	OUT	25/40.0	Optimized	Enable Output
On YN	M-LM501 (192.168.1.91) Port 1	6	OUT	25/40.0	Optimized	
On YM	4-LM501 (192.168.1.91) Port2	7	OUT	25/40.0	Optimize/	- The second sec
On YA	4-LM501 (192.168.1.91) Port 3	8	OUT	25/40.0	Optil dzes	Universe :
On YN	4-LM501 (192.168.1.92) Port.0	9	OUT	25/40 2	Optimized	
On YM	H-LM501 (192.168.1.92) Port1	10	OUT	10	Optimized	Frame Time (ms) : 25
On YI	4-LM501 (192.168.1.92) Port 2	11	NO.	25/40.0	Optimized	FPS : 40.0
On YM	4-LM501 (192.168.1.92) Port 3	12	OUT	25/40.0	Optimized	Fra Frances D
On YM	#-LM501 (192.168.1.93) Port0	00	OUT	25/40.0	Optimized	rui rianes .
On Yh	4-LM501 (192.168.1.93) Port1	4 14	OUT	25/40.0	Optimized	
On Yh	N-LM501 (192.168.1.93) Port 2 N 💙	15	OUT	25/40.0	Optimized	
On Yh	I-LM501 (192.168.1.93)	16	OUT	25/40.0	Optimized	
On Yi	I-LM501 (192.168.1.94) Port.0	17	OUT	25/40.0	Optimized	
On Yi	A-LM501 (192.168.1.94) Port1	18	OUT	25/40.0	Optimized	
On Yh	N-LM501 (192.168.1.94) Port 2	19	OUT	25/40.0	Optimized	
On YA	4-LM501 (192.168.1.94) Port 3	20	OUT	25/40.0	Optimized	
On YN	N-LM501 (192.168.1.95) Port0	21	OUT	25/40.0	Optimized	
On Yi	4-LM501 (192.168.1.95) Port 1	22	OUT	25/40.0	Optimized	
On YA	I-LM501 (192.168.1.95) Port 2	23	OUT	25/40.0	Optimized	
On YI	4-LM501 (192.168.1.95) Port3	24	OUT	25/40.0	Optimized	

And you can choose "Frame time" to change the frame.

3. When all setup , click"OK"to back MADRIX main window. We suggest you choose File→Save Setup to save all setup for next time use