

IP Setting-PC, Artnet, Madrix

IP Setting for PC:

1- Connect the Artnet controller with power supply and PC

- 1-1, Connect the power cable.
- 1-2, Connect the PC with the cat5 (straight way).

2- Set IP address after power on the controller and connected the Artnet controller Lightning 1, Lightning 4, Lightning 12, Lightning 20, Lightning 30, with PC

2-1, For the PC, click "start"--"control panel"--"Network and Sharing Center"or directly click the bottom right sign **[III**] to open the control panel as the following:

Remark: when you set the IP address, please close the wireless network.



2-2, Click the "Local Area Connection", then click the "properties" to open the properties dialog as the following:

	Unidentified network	Access type: No	network access
7	Public network	Connections: 🗎 Loc	al Area Connection

ieneral		Networking
STA .		Connect using:
Connection IPv4 Connectivity:	No network access	Realtek RTL8102E/RTL8103E Family PCI-E Fast Etheme
IPv6 Connectivity:	No network access	Configure
Media State:	Enabled	Client for Microsoft Networks
Duration:	02:33:12	QoS Packet Scheduler
Speed:	100.0 Mbps	File and Printer Sharing for Microsoft Networks
Details		Internet Protocol Version 6 (TCP/IPv6)
Details		Internet Protocol Version 4 (TCP/IPv4)
		Link-Layer Topology Discovery Mapper I/O Driver
		Image: Market And Angel Ang

2-3, Twice Click the "Internet Protocol Version 4(TCP/IPv4)" to open the properties dialog. As the following:

etworking	General		
Connect using:	You can get IP settings assigned a	utomatically if your net	work supports
Realtek RTL8102E/RTL8103E Family PCI-E Fast Etheme	for the appropriate IP settings.	to ask your network	administrator
Configure) Obtain an IP address automa	tically	
This connection uses the following items:	Use the following IP address:		
Clent for Microsoft Networks	IP address:	14 - 41	*
File and Printer Sharing for Microsoft Networks	Subnet mask:	8 8	<u>x (</u>
Internet Protocol Version 6 (TCP/IPv6) Internet Protocol Version 4 (TCP/IPv4)	Default gateway:	52 - 21	2
Link-Layer Topology Discovery Mapper I/O Driver	Cobtain DNS server address a	utomatically	
E - Likebyei Topology biscovery hesponder	Use the following DNS server	addresses:	
Install Uninstall Properties	Preferred DNS server:	191 - 48 -	
Description	Alternate DNS server:	S\$ \$3	
network.	Validate settings upon exit	[Advanced
	1		

2-4, In the Internet Protocol Version4(TCP/IPv4) dialog, choose "Use the following IP address", get Manual IP address

192	. 168	. 1		23
255	. 255	. 255	. .	0
192	. 168	. 1		1

2-5, Click the confirm button"OK" to back to the Local Area Connection Properties dialog

Click the confirm button"OK"to back to Local Area Connection Status, finally click the "close" button. Remark: Art-net Pro default address is 192.168.1.100, as is saying:enter the IP address between 192.168.1.0-99 and 192.168.1.101-255

You can get IP settings assign this capability. Otherwise, you for the appropriate IP setting	ned automatically if your network : u need to ask your network admin s.
💮 Obtain an IP address au	tomatically
Use the following IP add	rect:
e ose are rolonning in add	Cau.
IP address:	192 . 168 . 1 . 23
IP address: Subnet mask:	192 . 168 . 1 . 23 255 . 255 . 255 . 0
IP address: Subnet mask: Default gateway:	192 . 168 . 1 . 23 255 . 255 . 255 . 0 192 . 168 . 1 . 1
IP address: Subnet mask: Default gateway:	192 . 168 . 1 . 23 255 . 255 . 255 . 0 192 . 168 . 1 . 1 ess automatically

IP Setting for Artnet Controller:

- 3- Set the IP address for the artnet controller
 - 3-1, Open the "IE browser", enter the IP address 192.168.1.100
 - 3-2, Set the IP address in the webpage. After the IP address setting, click the "Change IP&Mask". As the following:,

You can set a new IP and N	etMask of the node,the input should be entered as '192.168.001.020' or '010.206.224.020':
Change IP:	
192.168.001.100	
Change MASK:	
255.255.255.000	
Change IP&Mask	

Remark:

1, Art-net Pro default address is 192.168.1.100, as is saying: enter the IP address between 192.168.1.0-99 and 192.168.1.101-255 2, the MASK address should be same with the subnet mask. Eg: the controller and PC mask is 255.255.255.0

Madrix Connectting with Artnet Controller:

4- Setting on madrix software

4-1, select the button in turn of "Preferences"--"Device Manager" to enter the window of "Device Manager"

File Edit	Preferences	Window	Tools	Previews
	Matrix G	ienerator		F2
	Patch			F3
	Device N	Manager		F4
	Audio Pe	e <mark>rformance</mark> .		Ctrl+Alt+A
	Remote	Control		>
	Backup	System		
	Options.			Ctrl+Alt+O

4-2, In the "Device Manager" window, click "Art-net". Click the button "Enable" (remark: if the Art-net could not start, the internet network settings should be checked; redefine the IP address)

J Device Manager			
DMX Devices DVI Devices DMX	(Input Art-Net MIDI	Audio Input Visualizer	enable Art-Net
Name Cour	nt/Net Universe	IP / MAC	Enable
ArtNet Remote	1 1	192.168.1.2 / 00:E0:4C:60:F4:A6 (receive only from 19:	2.168.1.2) Sync
			Refresh New Copy Edit Contig By Web
Find Auto		Hostname : loyx-PC	Count : 1 Delete
		ок	Apply Cancel Help

4-3, Click the "Find Auto" button, automatically search Art-net communication node. As the following: (eg:2 set Artnet controller, 1/4/12/20/30 universes)

-	A 1 11				— П X
	Device Manager				
ſ	DMX Devices DVI Devices	DMX Input	Art-Net MIDI	Audio Input Visualizer	
I	Name	Count/Net	Universe	IP / MAC	Enable
	ArtNet Remote	1	1	192.168.1.2 / 00:E0:4C:60:F4:A6 (receive only from 192.168.1.2)	Sync
	LED-ANC	4	9, 10, 11, 12	192.168.1.100 / 50:0C:0E:04:0F:06 (send only to 192.168.1.100)	
	LED-ANC	4	5, 6, 7, 8	192.168.1.100 / 50:0C:0E:04:0F:06 (send only to 192.168.1.100)	
	LED-ANC	4	1, 2, 3, 4	192.168.1.100 / 50:0C:0E:04:0F:06 (send only to 192.168.1.100)	
					Refresh New Copy Edit Config By Web
	Find Auto			Hostname : Icyx-PC Count :	4 Delete
2	-			OK Apply	Cancel Help

4-4, Click the button "Sync". Then the "Artnet Sync Options" window appears. In the window, click the button "Enable", "Pre Sync" and "Post Sync". finally select "OK" to finish the setting.

Before activ available in Else, the fra If you are n	vating sync, make : h your network! ame rate of Art-Net ot sure, do not ena	sure that all activated might drop. able any sync mode.	Art-Net devices are	
Sync	Network	Mask	Speed	Ena
🚍 On	192.168.1.0	255.255.255.0	10 MBit∕s	
Pre Syl	nc	🔲 Pos	st Sync	
ж				Can

4-5, In the "Device Manager" window, select "DMX Devices". select all the universes, click the button" Enable". Then click the button "Full Frames" finally click" Apply" button to finish the output parameter settings. Remark: Change the "Frame Time(ms)" within 25 < F ≤1000 (F is "Frame Time(ms)",1000 is the

software factor maximum number. Here the default no.is 30 and don't need to change.)





