

ARTNET to DMX Controller

Client	
Project	
Order Code	
QTY	



TITAN A8



TITAN A16

2 Versions are available: Titan A8 and Titan A16

Thank you for purchasing the Colordreamer Titan Artnet to DMX Controller!

Our manual will describe the installation and mounting of the product as well as description of how to use it.

Please read and understand this manual in its entirety before using the product.

Package Contents:

1XTitan

1XPower Cord

1XRJ 45 Cable

1XThis Technical Manual

www.colordreamer.com

Email:info@colordreamer.com

Version:V1.0 Feb 2022

Products and specifications are subject to change without notice



Product Warranty is void if product is not installed as per installation instructions and in compliance with all local and provincial codes.

SAFETY RECOMMENDATIONS AND WARNINGS

Only use this device in dry environments (indoor use)

Do not make modifications or alter the product

Keep away from flammable material.

Do not use any silicone or other chemicals on outside surface.

Do not use chemicals or abrasives to clean the device as this may void the warranty.

Ensure installation complies with local electrical rules and regulations.

Ensure mains input power is surge protected

Do not connect or disconnect the device while the power is connected.

Connectors are to be kept clean and dry at all times.

Input Voltage range 100-240VAC

Power off the device during service or when not in use.

Twisted pair cable is recommended for data transmission

Avoid unwanted voltage on the DMX cables at all times.

Do not remove any parts from the unit including the plug ground pin or connect to an ungrounded circuit.

Do not connect the unit to LEDs that are switched on.

To supply this unit with power, first connect the provided power cord to the unit and then to a suitable power outlet.

Product Overview

Colordreamer Artnet Controller converts Art-Net data from Ethernet network to DMX512.

Colordreamer Titan Family Artnet Controller has 8Universes (Titan A8) and 16Universes (Titan A16) available.

Adjust settings and address via the onboard oled screen menu or web browser.

Perfect synchronization between each Universe.

Take full advantage of pixel mapping and voxel mapping, easy to install.

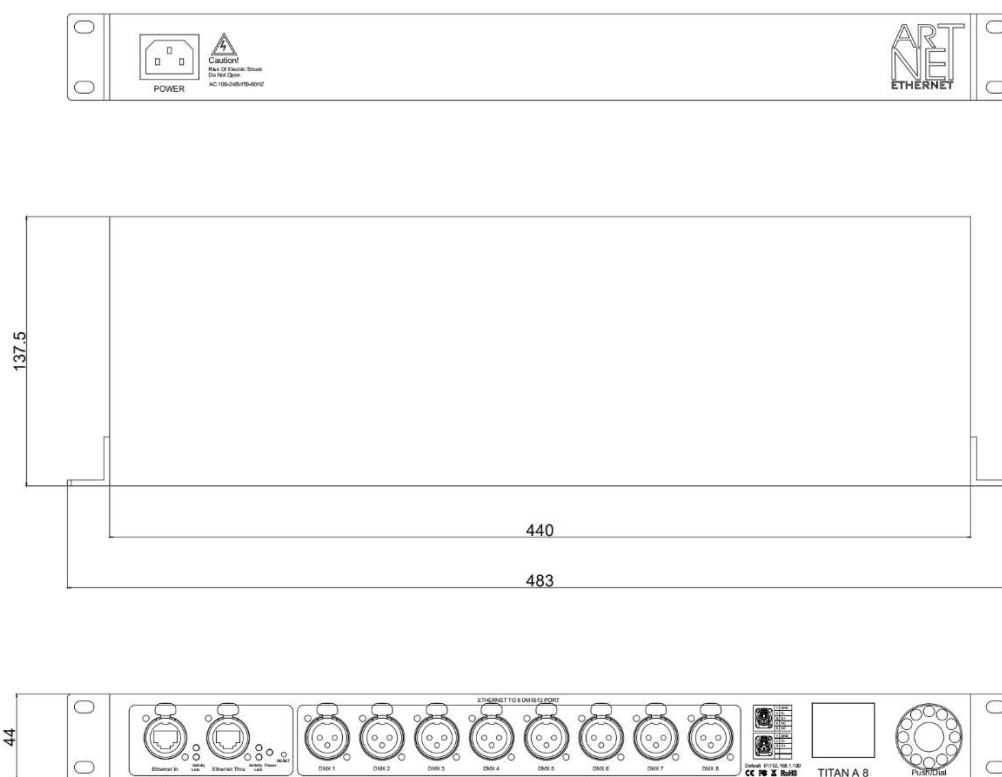
The Artnet controller device is ready within seconds after start-up. An HTP Merge is automatically available for two Art-Net sources. If required, you can access and change specific device settings using the built-in web configuration tool.

Product Specification

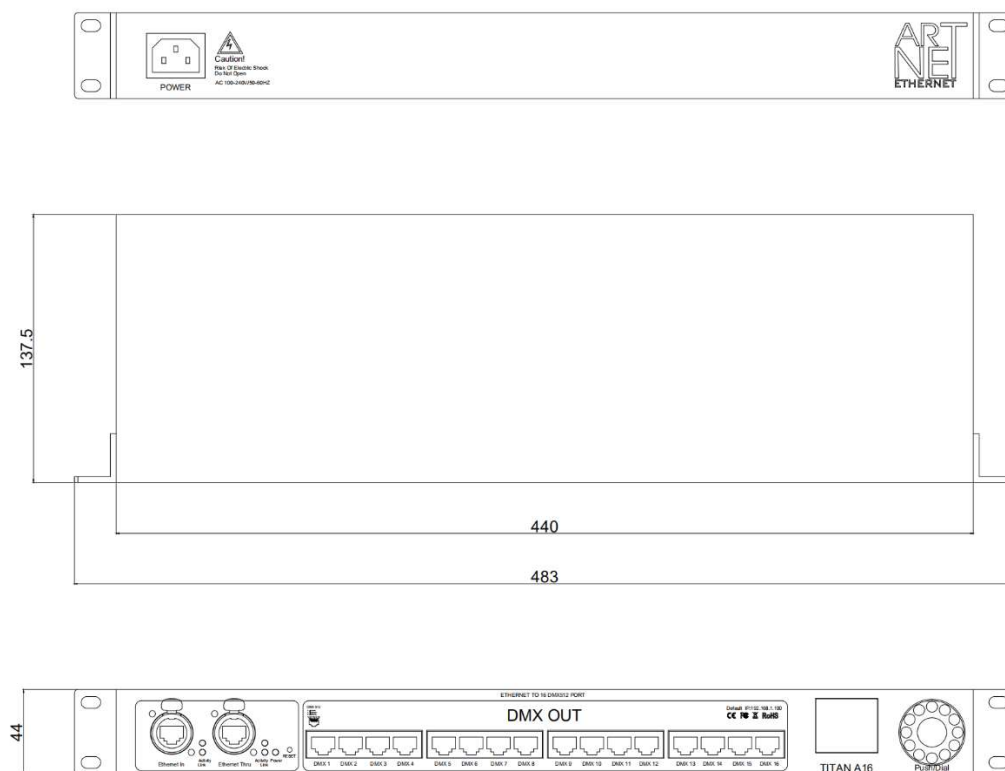
Models	TITAN A8	TITAN A16
Electrical		
Input Voltage	100-240VAC 50/60Hz	100-240VAC 50/60Hz
Power Consumption	5W	5W
Control		
Network Protocols	Art-Net via ethernet	Art-Net via ethernet
DMX Outputs	8X512 DMX Channels	16X512 DMX Channels
Ethernet	RJ45	RJ45
Default IP	192.168.1.100	192.168.1.100
Default Subnet	255.255.255.0	255.255.255.0
Physical		
Housing Material	Metal	Metal
Finish Color	Black	Black
Connector	3pin/5pin xlr female	RJ45
Dimensions(LXWxH) Body	440×136.6x44mm	440×136.6x44mm
Dimensions(LXWxH)Brackets	483×136.6x44mm(1U)	483×136.6x44mm(1U)
Weight		
Environment		
Operating Temperature	-10°C to +50°C	-10°C to +50°C
Storage Temperature	-20°C to +70°C	-20°C to +70°C
Humidity	0-80% non-condensing	0-80% non-condensing
IP Rating	Dry, Indoor IP20	Dry, Indoor IP20
Certification and Safety		
Certification	CE	CE
Warranty	2Years Limited Warranty from the Date of Manufacture Contact us if you need extended warranty	

Dimension

(Titan A8)

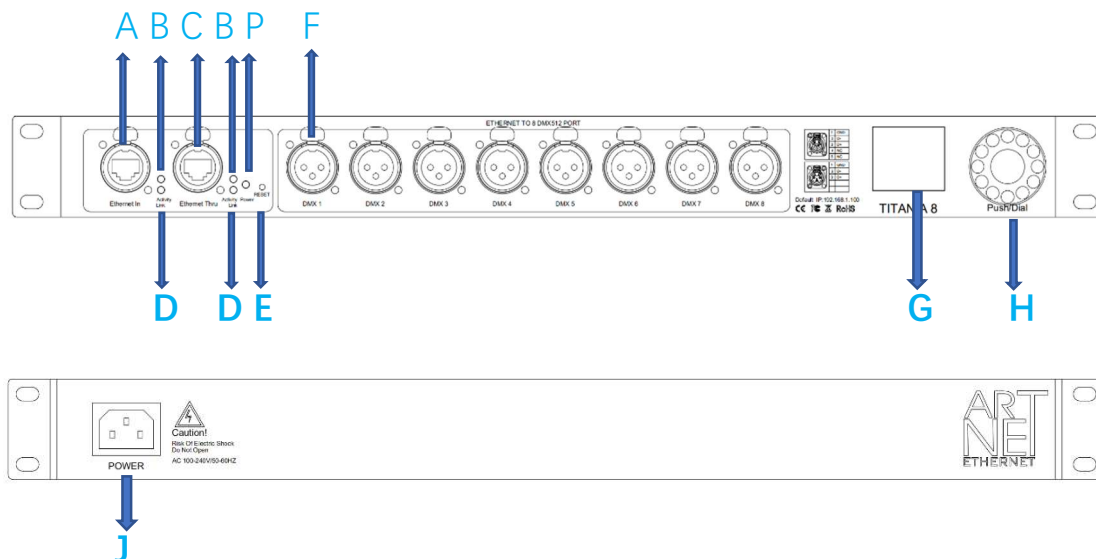


(Titan A16)

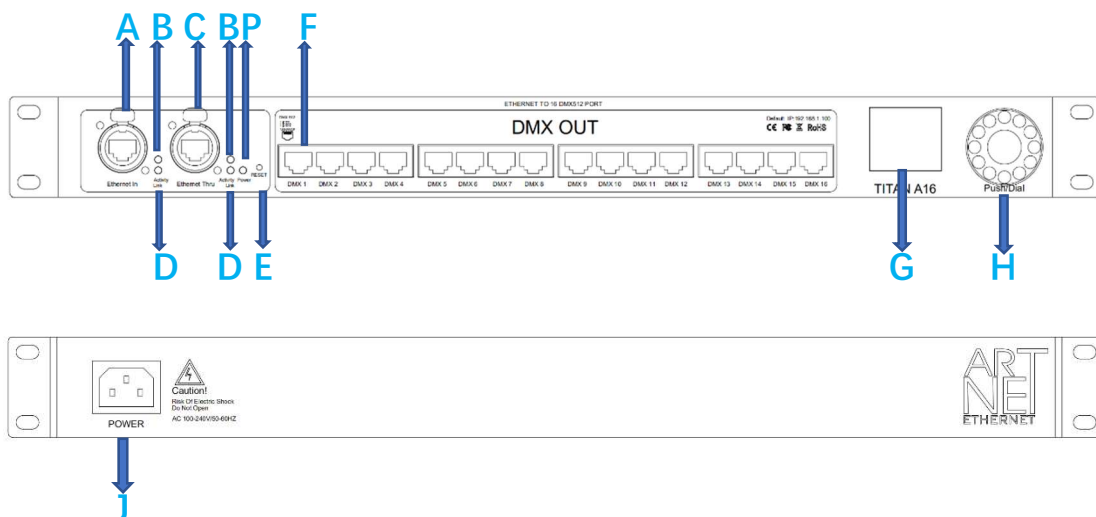


Connectivity

(Titan A8)



(Titan A16)



- | | |
|----------------------------|-------------------------------------|
| A: RJ45 Ethernet in Port | B: Status LED for Ethernet Activity |
| C: RJ45 Ethernet thru port | D: Status LED for Ethernet Link |
| E: Reset Button | F: DMX Outputs |
| G: Oled Screen | H: Push/Dial button |
| J: Power Socket | P: Status LED for Power |

Description of Status LED:

E: Status LED for Power

Status	Description
Powered Off	Power cable not connected. The device has no power
Permanently Green:	Connected to Power. Power is on.

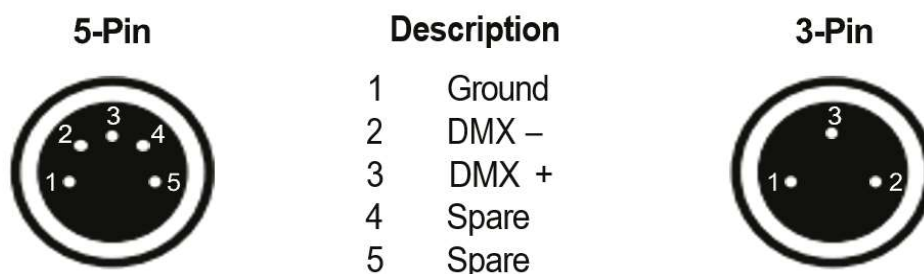
D: Status LED for Ethernet Link

Status	Description
Powered Off	Ethernet not connected
Permanently Red:	Connected to ethernet

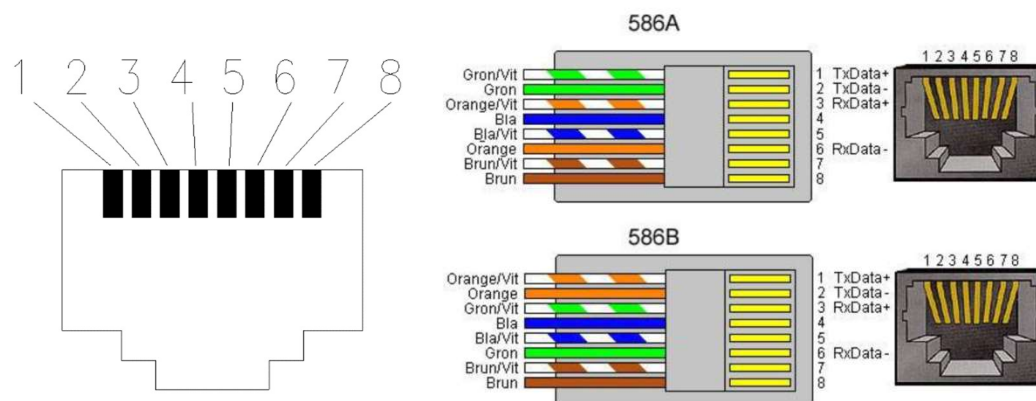
F: Status LED for Ethernet Activity

Status	Description
Powerer Off	No data received over ethernet
Permanently Green or Blinking Green	Communicating over Ethernet. Receiving data over ethernet

3-Pin And 5-Pin XLR Connector Layout



RJ45 Connector Layout

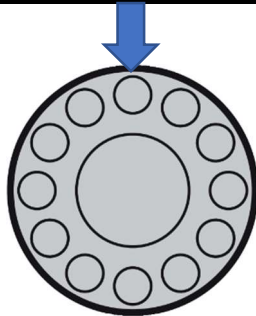


1: DMX+ 2: DMX- 7: Ground

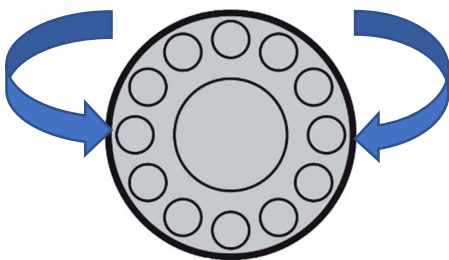
Device Configuration Through onboard Screen and Push/Dial button

Standby Screen:

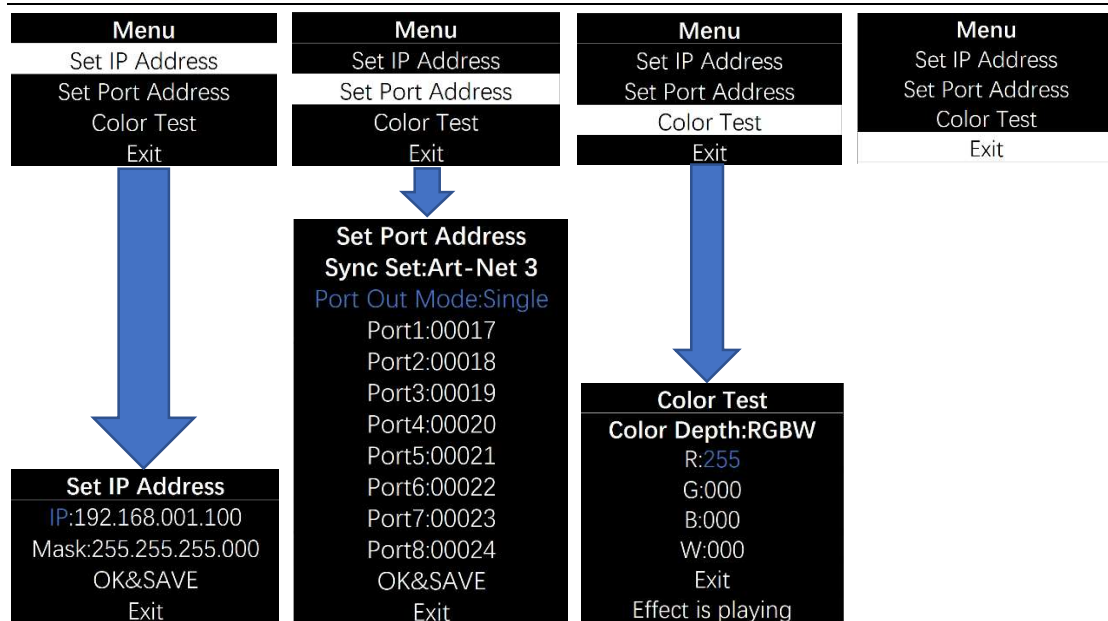
When you are not performing a task within a menu, Titan A8 or Titan A16 will display device information as below.



Press and release the rotary dial to enter the Device Configuration Menu.



Rotate the dial clockwise or counterclockwise to move between the highlights. Press and release the dial to enter the page of highlight



Rotate the dial to move the highlighted cursor between options within the page
 When the highlighted cursor is over the required option, press and release the dial
 Rotate the dial to change the value of the option.
 Press and release the dial to fix the chosen value of the option.
 Remember to press “OK&SAVE” to confirm your setting.
 Press “Exit” to come back Main Menu.

Notes:

- 1: In the page “Set Port Address”, Sync Set can be Art-Net 3 or Art-Net 4
 - 2: User can use Color Test Page to test your led fitting when software is not ready.
- Color DepthW/RG/RGB/RGBW
 R: a value between 0-255 G: a value between 0-255
 B: a value between 0-255 W: a value between 0-255

Device Configuration Through a Web Browser

You can access all settings and information of Titan Artnet Controller by using the built-in web configuration tool.

Step 1) Connect Titan Artnet Controller and your computer to the same network.

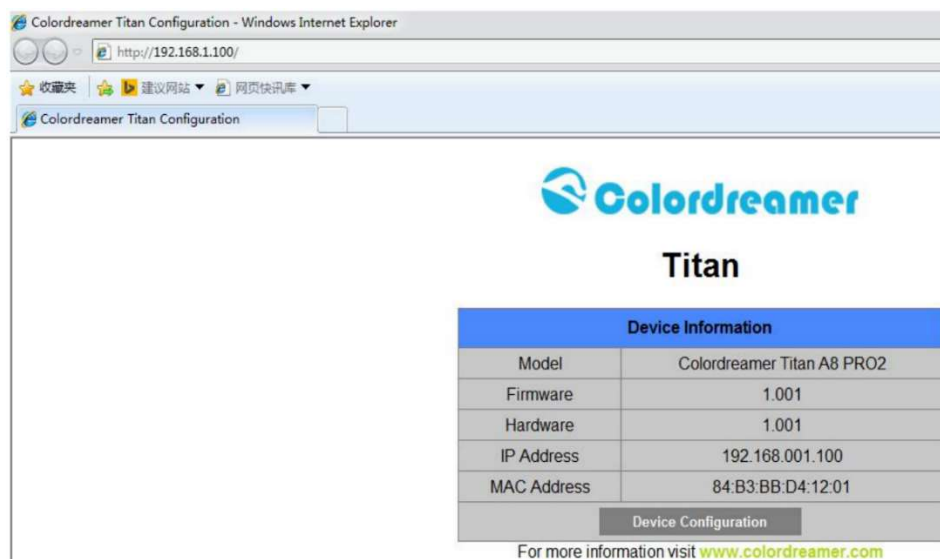
Artnet Controller Default IP 192.168.1.100

Step 2) Assign correct network settings for your computer in the operating system. (Recommended default settings:

IP address 192.168.1.XXX/ Subnet mask 255.255.255.0)

Step 3) Open your web browser and enter the IP address of Artnet Controller 192.168.1.100

Step 4) The web configuration tool will be launched.



Step5) You can change IP address and save this configuration

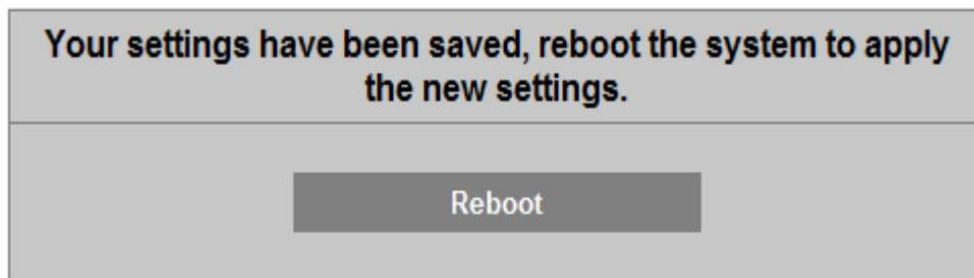
Titan

Device Settings			
General Network Settings			
IP Address	192	168	1
Subnet Mask	255	255	0
Network Input Settings			
Network Protocol	Art_Net Protocol		
Net	Sub Net	Send Always Full Frames (512 Ch.)	
0	0	<input type="checkbox"/>	
<input type="button" value="Configuration Reset"/> <input type="button" value="Save"/> <input type="button" value="Return"/> <input type="button" value="Exit"/>			

For more information visit <http://www.colordreamer.com/>

Step6) After saving all setting, reboot the system to apply the new setting. after reboot, this window will be closed automatically.

Titan



For more information visit www.colordreamer.com

Reset to Factory Default Settings

- Step 1) Disconnect the device from power.
- Step 2) Use a suitable tool to press the reset button.
- Step 3) Continue to press the reset button and connect to power again.
- Step 4) Continue to press the reset button and wait until all status LEDs of the device flash repeatedly or wait 5 seconds.