ARTNET/SACN to DMX-RDM Controller

Client	
Project	
Order Code	
QTY	

TITAN A8

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.

This manual was written and published by Colordreamer Lighting and has the final right to interpret related products.The follow-up upgrade of related products may be slightly different from this manual, and the upgrade of the manual may not inform you in time. Please pay attention to the discrepancies between the actual product and the description in this manual.

Package Contents:

1XTitan A8
1XPower Cord
1XRJ 45 Cable

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 many voids 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 no 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

Art-Net/Streaming ACN

Titan A8 Controller converts Art-Net or SACN(E1.31) data from Ethernet network to DMX512.

8 DMX Outputs+1 DMX-IN

Colordreamer Titan-A8 Controller has 8 Outputs.Each port 512Channels

The magnetic isolated outputs enable the DMX512 interface to transmit signals stably especially in complex engineering environment.

DMX external control can switch the recorded files to be played through the DMX input channel, as well as parameters such as playback speed and brightness

RDM

Each output has a powerful RDM management function,which can search and configure lighting fixtures.

The discovered lighting fixtures is listed on the web page,and user can address each light and do monitoring.

Daisy-Chain Support

2 Ethernet ports allow for separate network connections as well as linearly daisy-chaining several devices together.

Easy Configuration

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

The OK button is used to confirm your operation. Short press the OK button to enter the next menu, long press the OK button to return to the previous menu.

Live Recording and Stand-Alone Playback

Titan A8 has the function of online recording and broadcasting. The controller has a built-in network data monitoring function, which can intercept and record all ArtNet data streams passing through the controller and save it onto the inserted memory card.

Master-Slave Synchronization

In addition to playing the local data, Titan A8 can also be used as a master to drive other devices to play through the Ethernet network.

1U Profile

Product Specification

Models	TITAN A8
Electrical	
Input Voltage	100-240VAC 50/60Hz C14 inlet
Power Consumption	<5W during operation
Control	
Network Protocols	Art-Net/Streaming ACN
DMX Outputs	8 Outputs(Each output 512DMX Channels)
DMX In	1X512 DMX Channels input
Ethernet	RJ45
Default IP	192.168.1.100
Default Subnet	255.255.255.0
Standalone Memory	Micro SD Card Max 32GB
Number of Scenes	Max 300 can be recorded
Physical	
Housing Material	Metal
Finish Color	Black
Connector	3pin/5pin xlr female
Dimensions(LXWxH)	483×125x45mm(1U)
Weight	
Environment	
Operating Temperature	-10℃ to +50℃
Storage Temperature	-20℃ to +70℃
Humidity	0-80% non-condensing
IP Rating	Dry, Indoor IP20
Certification	CE
Warranty	2Years Limited Warranty from the Date of Manufacture Contact us if you need extended warranty

Supply of Power

To supply the unit with power,first connect the provided power cable to the unit 'POWER' and then to a suitable power outlet.The device uses main voltage(AC100V-240V)

Connectivity

1: OLED Screen to display the configuration menu

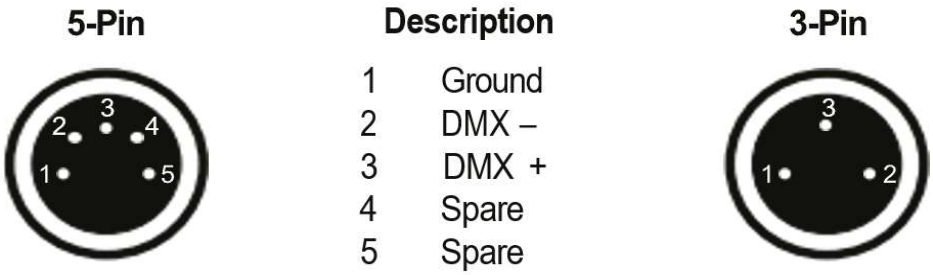
2. Control Keys

The **Center ENTER button** is used to confirm your operation. **Short press the ENTER button** to enter the next menu, **long press the ENTER button** to return to the previous menu.

The UP/DOWN/LEFT and RIGHT keys

3. DMX IN
4. SD Card
5. Status LEDs
6. Ethernet in and thru port
7. DMX1-8

3-Pin And 5-Pin XLR Connector Layout



Device Configuration Through onboard Screen and Navigation button

Titan A8 has 5 keys and OLED screen to configure device

The 5 key are [Up]-[Down]-[Left]-[Right]-[Enter], short press [Enter] to enter the next menu, long press the [Enter] key about 1 sec to return to the previous menu, press the [Up]-[Down] keys to select the menu items that need to be configured, and the [Left]-[Right] keys can be used as numeric cursors or keys for specific functions.

Standby Screen:

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

Node	PORTS
P1	0
P2	1
P3	2
P4	3
P5	4
P6	5
P7	6
P8	7

Press LEFT and RIGHT Key to find more information of this device.

Node	NETWORK
IP	192.168.1.100
NMask	255.255.255.0
Gate	192.168.1.1

Node	ADDRESS
Net	0

Node	RECORD
Up Key to record	

Main menu

Press [Enter] Key to enter main menu as below

SETUP
Setup Port
Setup Device
Setup Mode
Setup Network
System Reset

Setup Port

SET PORT
Port-1
Port-2
Port-3
Port-4
Port-5
Port-6
Port-7
Port-8

CHANNEL	
Enable	off/on (off to close this output/on to enable this
Universe	0 (assign virtual universe)
Segment	1

Setup Device

SET DEVICE	
Device Id	0 (ID of this device)
Run Mode	SD Player/Node/Semantic/Test Light/Upgrade
Screen Saver	60sec (Configure the screensaver time of the device, When the screensaver timeout, the screen will be turned off）
Setup DmxControl	Setup Address (One device has 14 channels for DMX in,configure the start address of DMX in

Setup Mode

SET MODE	
Recorder	Timed Record
SD Player	Play Speed Play Mode Single cycle/Single end/Auto to next Auto Play(Off/On)
ArtNet	Announce (On/Off)

Setup Network

SET NETWORK	
Setup IP	192.168.1.100
Setup Netmask	255.255.255.0
Setup Gateway	192.168.1.1
Setup DHCP	Off/On

System Reset

SYSTEM RESET
SD Format
Factory Reset

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.

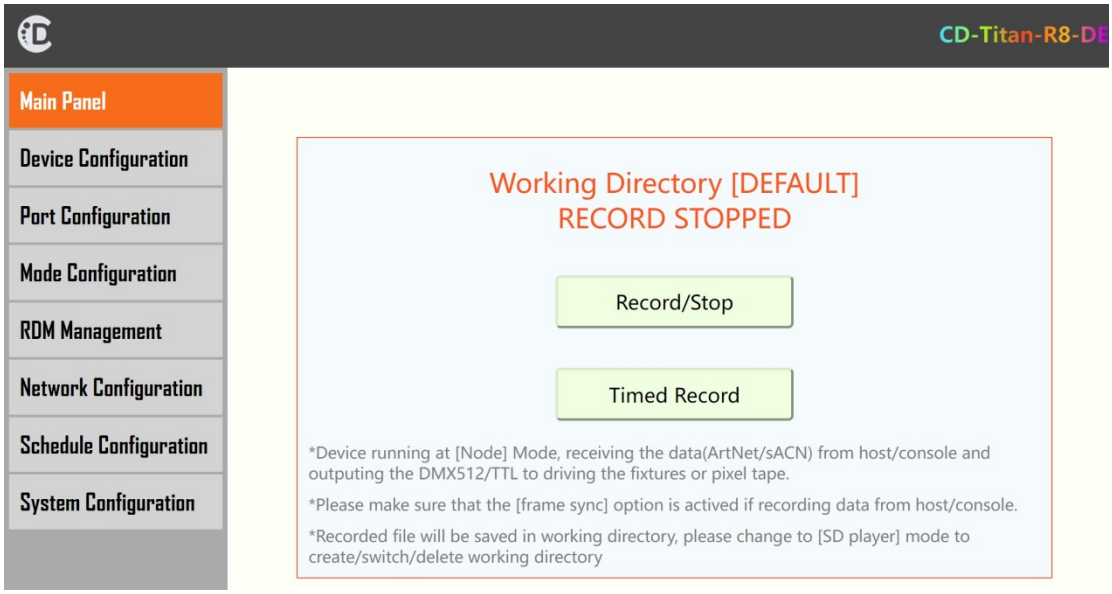
Artnet Controller Default IP 192.168.1.100

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)

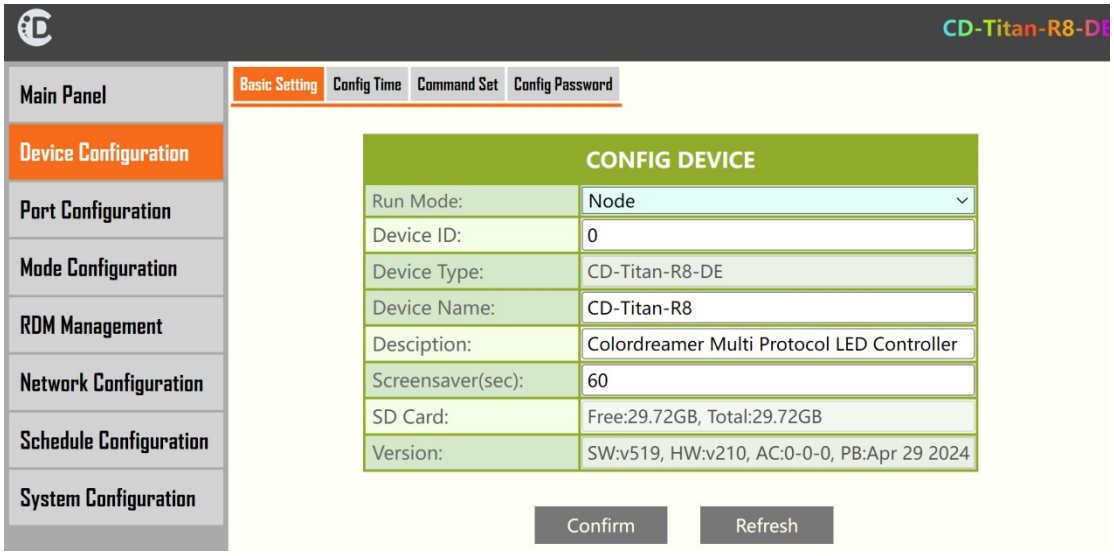
Step 3) Open your web browser and enter the IP address of Artnet Controller 192.168.1.100

Step 4) The web configuration tool will be launched.

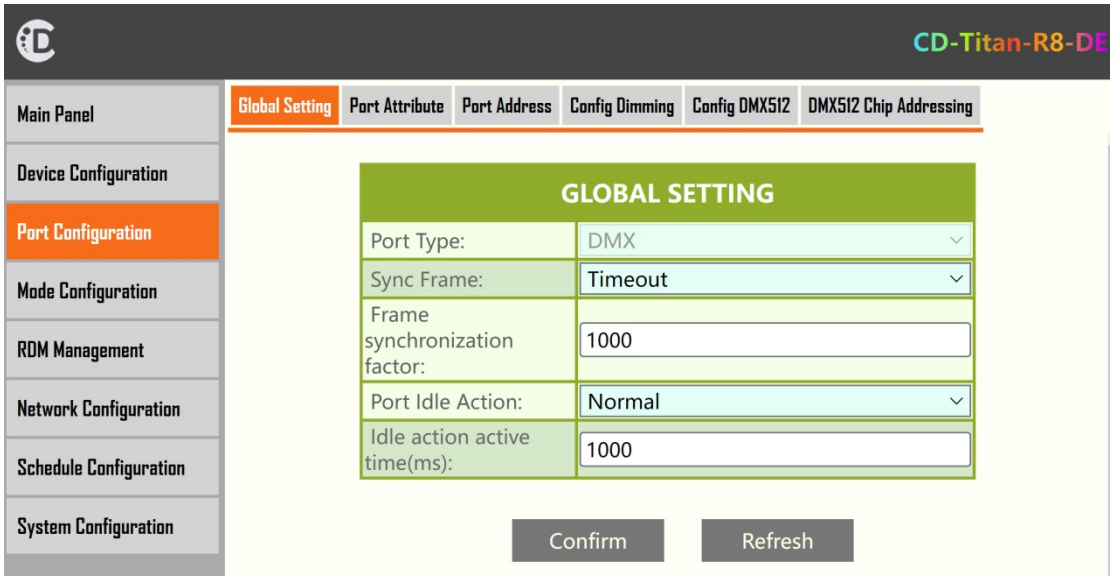


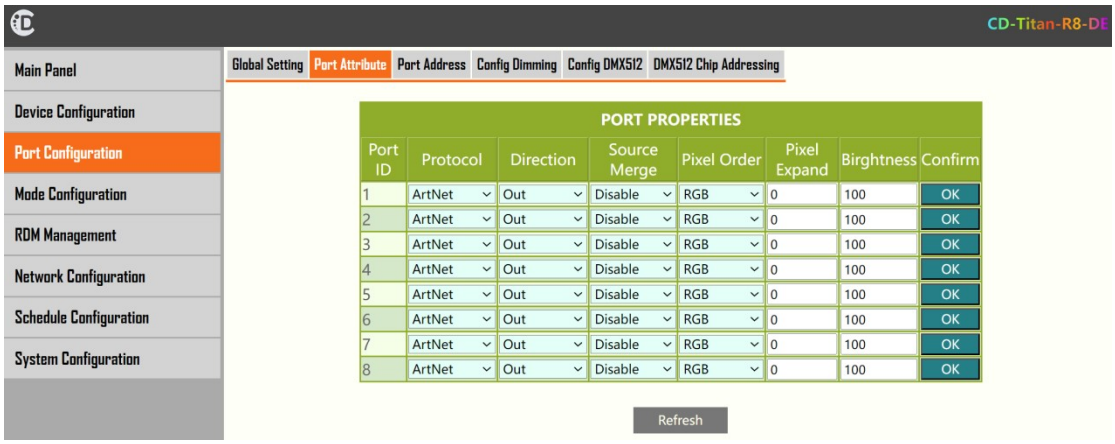
If access WEB failed, Use PING command on PC to test the connectivity!

Device Configuration

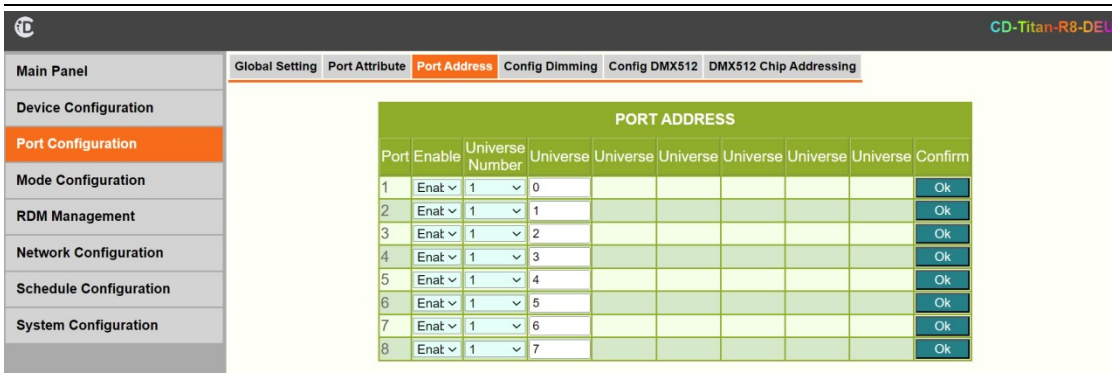


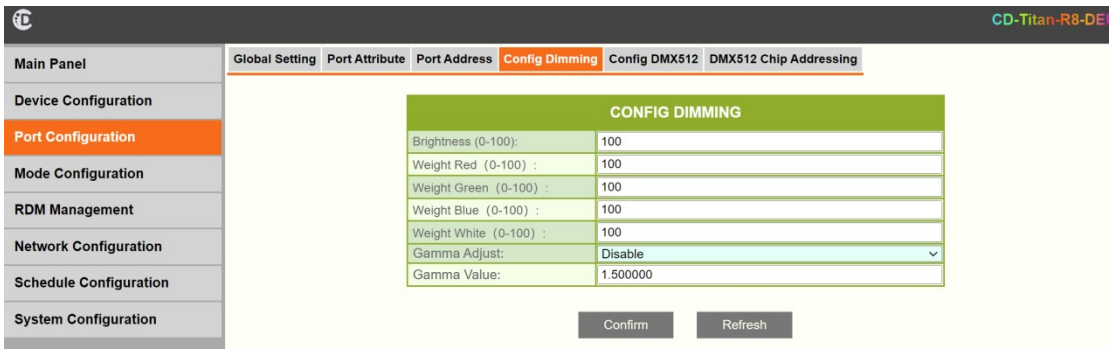
Port Configuration:





ID	Item	Description
1	Protocol	Configure the protocol of port, support ArtNet/sACN now
2	Direction	Set the direction of DMX port, the data flow can be setted to be ArtNet to DMX, or DMX to ArtNet
3	Source Merge	Support the HTP / LTP to merge multi source of net
4	Pixel Order	Adjust the pixel order of RGB fixture model
5	Pixel Expand	Expand the multi-pixel to one
6	Brightness	Adjust the brightness of fixture


CD-Titan-R8-DEU
Main Panel
Device Configuration
Port Configuration
Mode Configuration
RDM Management
Network Configuration
Schedule Configuration
System Configuration
Global Setting
Port Attribute
Port Address
Config Dimming
Config DMX512
DMX512 Chip Addressing
PORT ADDRESS
Port
Enable
Universe Number
Universe
Confirm
Ok


CD-Titan-R8-DEU
Main Panel
Device Configuration
Port Configuration
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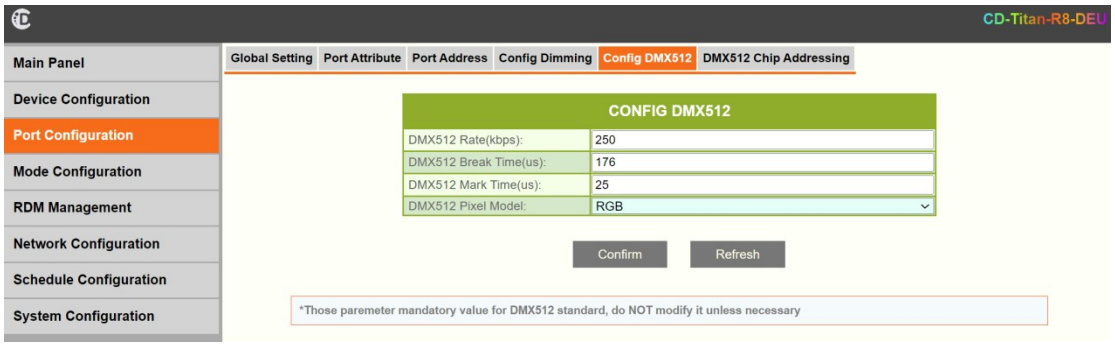
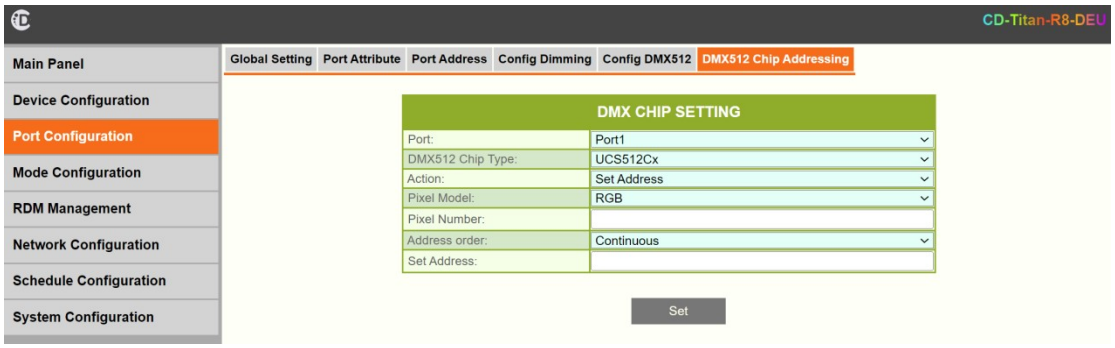
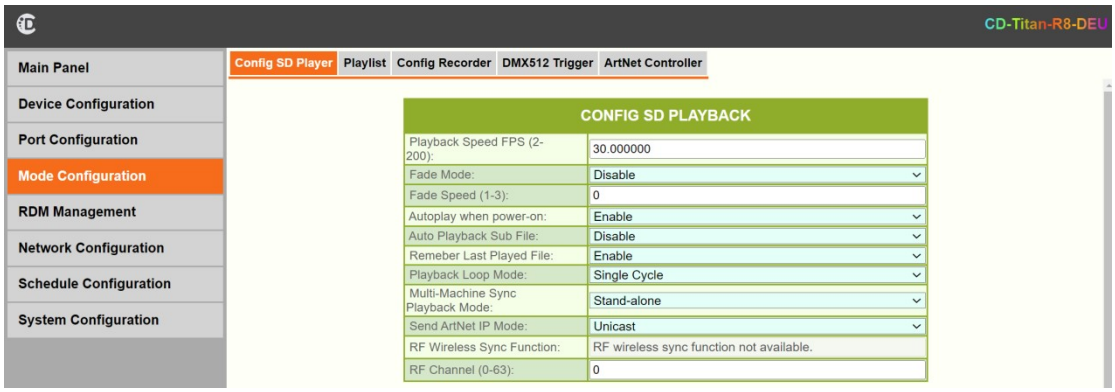
Network Configuration
Schedule Configuration
System Configuration
Global Setting
Port Attribute
Port Address
Config Dimming
Config DMX512
DMX512 Chip Addressing
CONFIG DIMMING
Brightness (0-100):
Weight Red (0-100) :
Weight Green (0-100) :
Weight Blue (0-100) :
Weight White (0-100) :
Gamma Adjust:
Gamma Value:
Confirm
Refresh

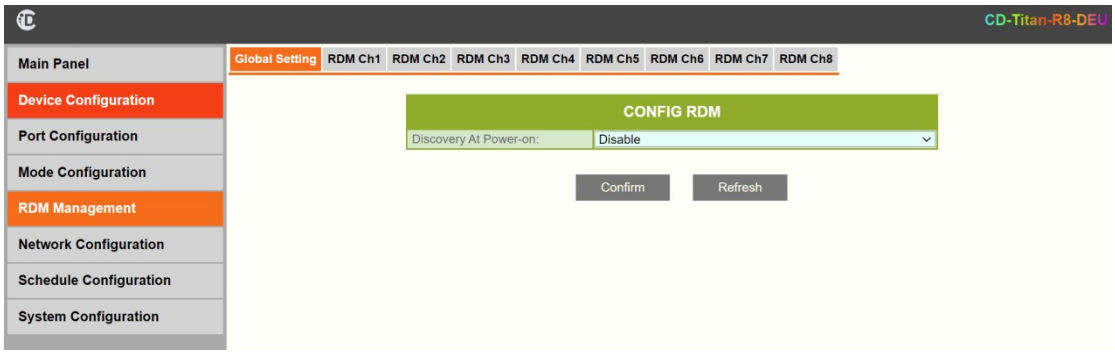

CD-Titan-R8-DEU
Main Panel
Device Configuration
Port Configuration
Mode Configuration
RDM Management
Network Configuration
Schedule Configuration
System Configuration
Global Setting
Port Attribute
Port Address
Config Dimming
Config DMX512
DMX512 Chip Addressing
CONFIG DMX512
DMX512 Rate(kbps):
DMX512 Break Time(us):
DMX512 Mark Time(us):
DMX512 Pixel Model:
Confirm
Refresh
*Those paremeter mandatory value for DMX512 standard, do NOT modify it unless necessary


CD-Titan-R8-DEU
Main Panel
Device Configuration
Port Configuration
Mode Configuration
RDM Management
Network Configuration
Schedule Configuration
System Configuration
Global Setting
Port Attribute
Port Address
Config Dimming
Config DMX512
DMX512 Chip Addressing
DMX CHIP SETTING
Port:
DMX512 Chip Type:
Action:
Pixel Model:
Pixel Number:
Address order:
Set Address:
Set

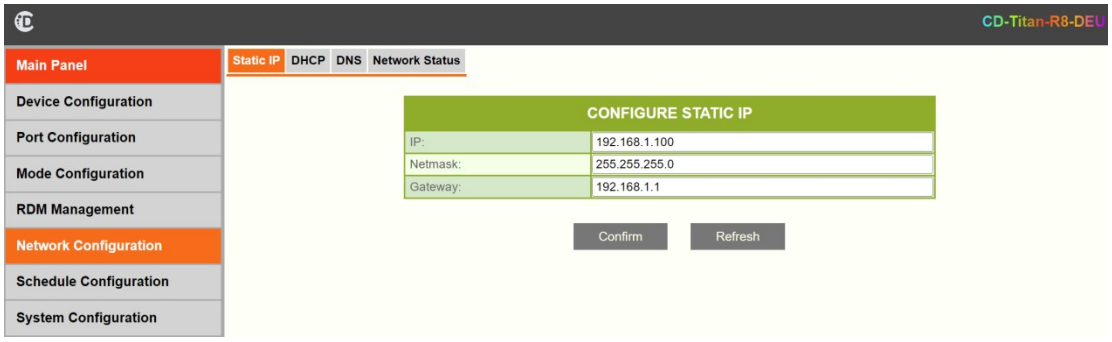
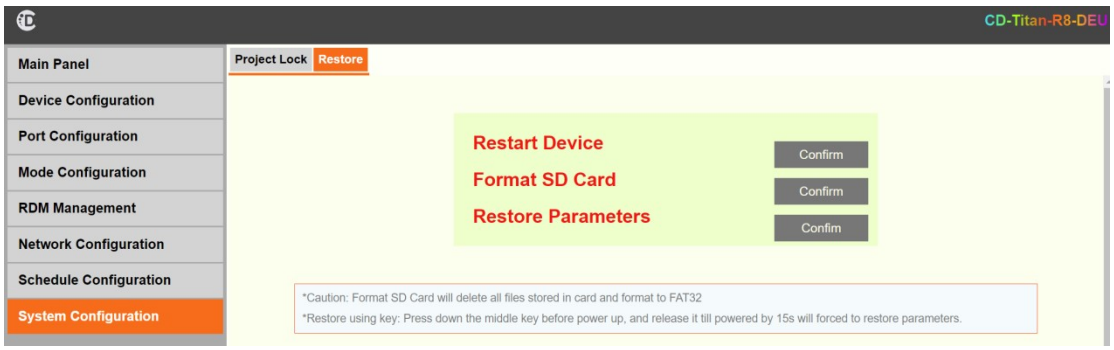
Mode Configuration



RDM Management



Network Configuration



System Configuration