

ARTNET/SACN to DMX-RDM Controller

8 Outputs , Each output 24VDC+ DMX

1000W/2000W

Client	
Project	
Order Code	
QTY	



TITAN A8 Pro

Product Overview

The **ArtNet/sACN Controller & Power Integration Box** is a high-performance, all-in-one solution designed for professional LED lighting and pixel control applications. It combines an advanced ArtNet/sACN to DMX512/RDM (Remote Device Management) interface, and a high-capacity integrated power supply into a single, rack-mountable unit. This device is engineered to simplify system architecture, reduce cabling complexity, and deliver reliable power and data to lighting fixtures.

Featuring 8 isolated outputs, each providing both DMX512 data and 24VDC power, the box is ideal for large-scale architectural lighting, stage setups, and permanent installations. The inclusion of an SD card slot enables standalone playback of recorded ArtNet data, allowing for autonomous show operation without a persistent network connection

Art-Net/Streaming ACN

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

8 DMX Outputs+ 1 DMX-IN

Colordreamer Titan-A8 Pro Controller has 8 Outputs.Each port 512Channels+24VDC output.

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 Pro 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 Pro can also be used as a master to drive other devices to play through the Ethernet network.

High-Output Power Supply

Available in two variants (1000W and 2000W) to accommodate projects of different scales.

2U Profile

Product Specification

Models	TITAN A8 Pro
Electrical	
Input Voltage	90-264VAC
Max Output Power	1000W / 2000W
Control	
Network Protocols	Art-Net/Streaming ACN
Outputs	8 Outputs(Each output 512DMX Channels+24VDC)
RDM Support	Yes
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	Aluminium
Finish Color	Black
Connector	4PIN Connector(24VDC DMX+ DMX- GND)
Dimensions(LXWxH)	485×294x89mm(2U)
Weight	14Kg
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

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 A8Pro 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

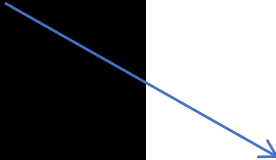
Node	RECORD
	Up Key to record

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.

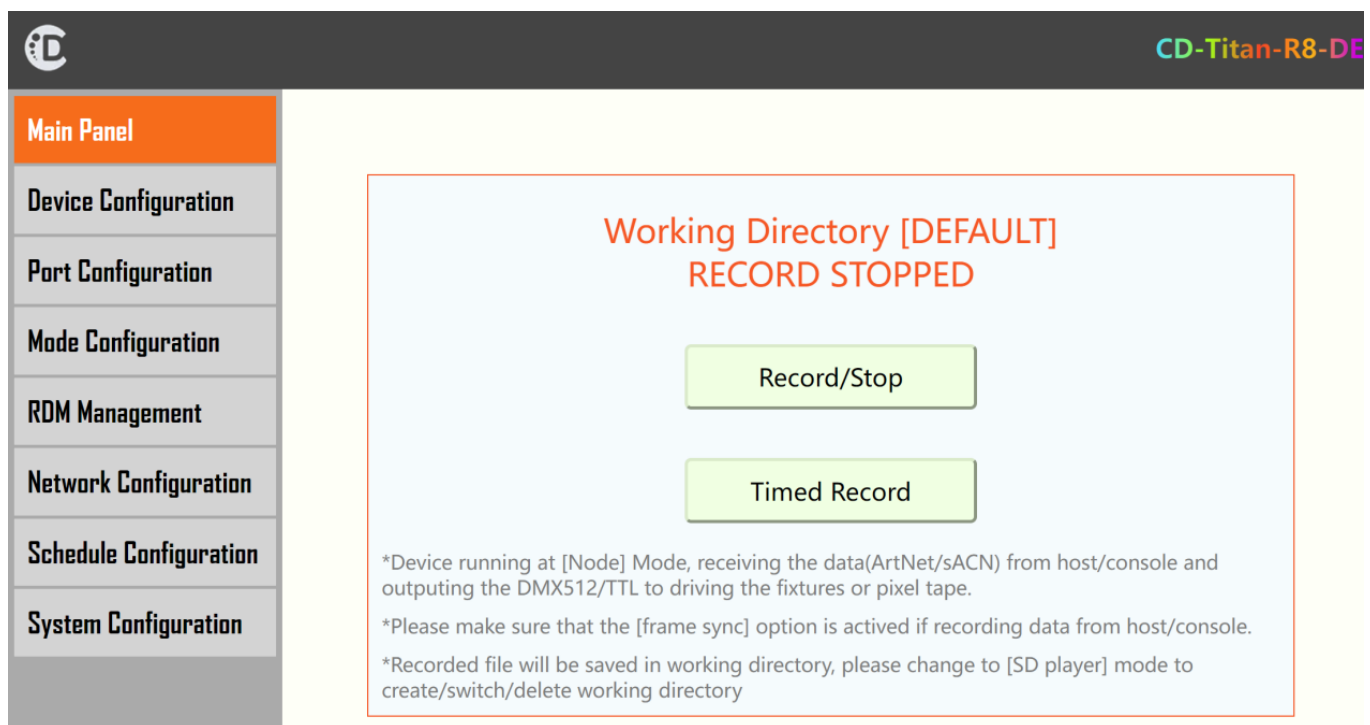
Artnet Controller Default IP 192.168.1.100

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


CD-Titan-R8-DE

Main Panel
Device Configuration
Port Configuration
Mode Configuration
RDM Management
Network Configuration
Schedule Configuration
System Configuration

Basic Setting

Config Time

Command Set

Config Password

CONFIG DEVICE

Run Mode:	Node
Device ID:	0
Device Type:	CD-Titan-R8-DE
Device Name:	CD-Titan-R8
Description:	Colordreamer Multi Protocol LED Controller
Screensaver(sec):	60
SD Card:	Free:29.72GB, Total:29.72GB
Version:	SW:v519, HW:v210, AC:0-0-0, PB:Apr 29 2024

Confirm

Refresh

Port Configuration:


CD-Titan-R8-DE

Main Panel
Device Configuration
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Schedule Configuration
System Configuration

Global Setting

Port Attribute

Port Address

Config Dimming

Config DMX512

DMX512 Chip Addressing

GLOBAL SETTING

Port Type:	DMX
Sync Frame:	Timeout
Frame synchronization factor:	1000
Port Idle Action:	Normal
Idle action active time(ms):	1000

Confirm

Refresh


CD-Titan-R8-DE

Main Panel

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System Configuration

Global Setting
Port Attribute
Port Address
Config Dimming
Config DMX512
DMX512 Chip Addressing

PORT PROPERTIES

Port ID	Protocol	Direction	Source Merge	Pixel Order	Pixel Expand	Birghtness	Confirm
1	ArtNet	Out	Disable	RGB	0	100	OK
2	ArtNet	Out	Disable	RGB	0	100	OK
3	ArtNet	Out	Disable	RGB	0	100	OK
4	ArtNet	Out	Disable	RGB	0	100	OK
5	ArtNet	Out	Disable	RGB	0	100	OK
6	ArtNet	Out	Disable	RGB	0	100	OK
7	ArtNet	Out	Disable	RGB	0	100	OK
8	ArtNet	Out	Disable	RGB	0	100	OK

Refresh

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

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	Universe	Universe	Universe	Universe	Universe	Universe	Confirm
1	Enat	1	0							Ok
2	Enat	1	1							Ok
3	Enat	1	2							Ok
4	Enat	1	3							Ok
5	Enat	1	4							Ok
6	Enat	1	5							Ok
7	Enat	1	6							Ok
8	Enat	1	7							Ok

CD

CD-Titan-R8-DEU

Main Panel
Device Configuration
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System Configuration

Global Setting
Port Attribute
Port Address
Config Dimming
Config DMX512
DMX512 Chip Addressing

CONFIG DIMMING

Brightness (0-100):	100
Weight Red (0-100) :	100
Weight Green (0-100) :	100
Weight Blue (0-100) :	100
Weight White (0-100) :	100
Gamma Adjust:	Disable
Gamma Value:	1.500000

Confirm
Refresh

CD

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 DMX512

DMX512 Rate(kbps):	250
DMX512 Break Time(us):	176
DMX512 Mark Time(us):	25
DMX512 Pixel Model:	RGB

Confirm
Refresh

*Those parameter mandatory value for DMX512 standard, do NOT modify it unless necessary


CD-Titan-R8-DEU

Main Panel
Global Setting
Port Attribute
Port Address
Config Dimming
Config DMX512
DMX512 Chip Addressing

Device Configuration
Port Configuration
Mode Configuration
RDM Management
Network Configuration
Schedule Configuration
System Configuration

DMX CHIP SETTING

Port:	Port1
DMX512 Chip Type:	UCS512Cx
Action:	Set Address
Pixel Model:	RGB
Pixel Number:	
Address order:	Continuous
Set Address:	

Set

Mode Configuration


CD-Titan-R8-DEU

Config SD Player
Playlist
Config Recorder
DMX512 Trigger
ArtNet Controller

Main Panel
Device Configuration
Port Configuration
Mode Configuration
RDM Management
Network Configuration
Schedule Configuration
System Configuration

CONFIG SD PLAYBACK

Playback Speed FPS (2-200):	30.000000
Fade Mode:	Disable
Fade Speed (1-3):	0
Autoplay when power-on:	Enable
Auto Playback Sub File:	Disable
Remember Last Played File:	Enable
Playback Loop Mode:	Single Cycle
Multi-Machine Sync Playback Mode:	Stand-alone
Send ArtNet IP Mode:	Unicast
RF Wireless Sync Function:	RF wireless sync function not available.
RF Channel (0-63):	0

RDM Management

 CD-Titan-R8-DEU

Main Panel

Device Configuration

Port Configuration

Mode Configuration

RDM Management

Network Configuration

Schedule Configuration

System Configuration

Global Setting

RDM Ch1

RDM Ch2

RDM Ch3

RDM Ch4

RDM Ch5

RDM Ch6

RDM Ch7

RDM Ch8

CONFIG RDM

Discovery At Power-on:

Disable

Confirm

Refresh

Network Configuration

 CD-Titan-R8-DEU

Main Panel

Device Configuration

Port Configuration

Mode Configuration

RDM Management

Network Configuration

Schedule Configuration

System Configuration

Static IP

DHCP

DNS

Network Status

CONFIGURE STATIC IP

IP:

192.168.1.100

Netmask:

255.255.255.0

Gateway:

192.168.1.1

Confirm

Refresh

System Configuration

 CD-Titan-R8-DEU

Main Panel

Device Configuration

Port Configuration

Mode Configuration

RDM Management

Network Configuration

Schedule Configuration

System Configuration

Project Lock

Restore

Restart Device

Format SD Card

Restore Parameters

Confirm

Confirm

Confirm

*Caution: Format SD Card will delete all files stored in card and format to FAT32

*Restore using key: Press down the middle key before power up, and release it till powered by 15s will forced to restore parameters.