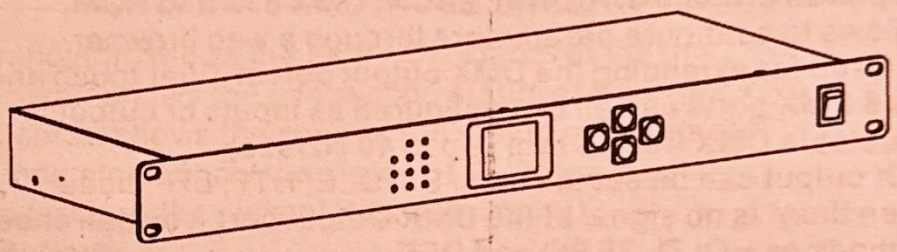
DMX Converter Series

V-SHOW 秋野照明®



8 Port DMX/ARTNET/
RDM Console

Version:2.0 12 APR 2023

User Manual

This product manual contains important information about the safe installation and use of this product. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

I. Introduction

This unit supports Art-Net, sACN, DMX 512 and RDM protocol. It supports 8 ArtNet universes, total 4096 channels. It has two RJ45 ports and eight 3-pin DMX ports, all 100% electrical isolation.For all kinds of application on TV shows, stage lighting, pubs etc.

II. Features

* Supports 8 ArtNet universes, total 4096 channels.
* Serial connection possible, which can control 32768 universes, a total of 16777216 channels
* Ethernet I/O based on high speed switch, without linking delay.
* Supported protocols: Art-Net, sACN, DMX 512 and RDM.
* It allows to configure parameters through a web browser
* It is used for extending the DMX output port of Tiger touch and MA Console.
* The 8 DMX ports can all be configured as inputs or outputs.
* Adjustable DMX frames rate (Up to 40 Hz/sec)
* DMX output can be set to one of SINGLE, HTP, LTP mode
* When there is no signal at the DMX Output port, you can choose one of the methods as HOLD, ZERO and OFF.
* DMX ports:3pins XLR (Option: 5 pins XLR).
* 100% electrical isolation between all in/outputs: problems on 1 port will not influence the other ports.
* TFT display shows parameters.
* LED indicators for each input and output.
* Wide input stable electric power supply, suitable for voltage input of different countries.
* Power twist power input and output
* Input Voltage: AC88 ~ 256V 50/60Hz
* Dimension: 19" 1U, 482mm ×168mm ×44mm
* Net Weight: 1.7Kg

III.Safety Notes

Before operating, please read the User Manual completely. That would be necessary and helpful for you to use the unit more availably and effectively. The following rules give important information regarding safety during use and maintenance:

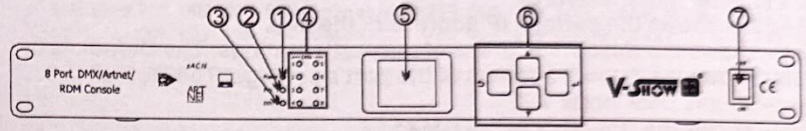
* Keep the unit dry, do not expose it to water or high levels of humid.
* Don't try to dismantle or modify the product without any authorized permission.
* Keep the unit away from magnetic fields when operating.
* Do not make any inflammable liquids or metal objects enter the unit.
* Handle this product with great care, any strong shocks or vibration may result in malfunction.
* This unit must only be operated by adults, do not allow children to tamper or play with it.
* Should any liquid be spilled on the unit, disconnect the power supply to the product immediately.

IV.Contents in the package

* 8 Port DMX/ARTNET/RDM Console	1PCS
* PowerCon Cable	1 PCS
* User Manual	1PCS
* Cat 5 network cable	1PCS

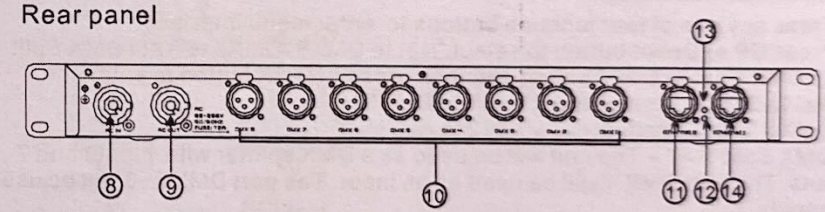
V. Product Overview

Front panel



① POWER indicator: shows the OFF / ON status of the unit.
② Eth. 1 indicator: shows the connection status of Ethernet 1.
③ Eth. 2 indicator: shows the connection status of Ethernet 2.
④ DMX 1-8 indicators: show the status of DMX ports.
⑤ TFT display: shows the current status or menu.
⑥ Function Buttons:
⮌ RETURN button: used to return the previous menu.
▲ UP button: used to select item of submenu.
▼ DOWN button: used to select item of submenu.
↵ ENTER button: used to confirm the item.
⑦ Power switch: turn on or turn off the unit.

Rear panel

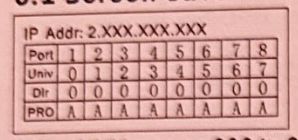


⑧ AC IN: used to input the AC voltage to the unit.
⑨ AC OUT: used to output the AC voltage to the next unit.
⑩ DMX ports 1-8: used to input/output standard DMX 512 signal.
⑪ Ethernet 2 port: used to input/output Ethernet signal.
⑫ Ethernet 2 indicator: shows the connection status of Ethernet 2.
⑬ Ethernet 1 indicator: shows the connection status of Ethernet 1.
⑭ Ethernet 1 port: used to input/output Ethernet signal.

Notes: Ethernet 1 and Ethernet 2 ports are switch communication modes, which can used to connect to the next converter.

VI. Function Menu Introduction

6.1 Screen saver



Notes:XXX means 000 to 255.Each unit has different IP
Above is the screen saver status of the unit and you can any one of four function buttons to enter menu interface.

* IP Addr – shows the current IP address of the unit.
* Net – shows the Network address of the port's settings. The Default is 0.
* Sub– shows the Subnet address of the port's settings. The Default is 0.
* Port– means DMX ports 1-8.
* Univ– shows the Universe 0-7 of DMX512.
* Dir– shows the DMX ports status. "O" means Output. "I" means input. "X" means Disable.
* PRO– shows the protocol of DMX ports . "s" means sACN protocol. "A" means ArtNET protocol.

6.2 Main menu

1. Presets

▶Presets	01/05
Net to DMX8	*
DMX8 to Net	
DMX Split 1->7	
DMX Split 2x1->3	
Back	

(1) Press any one of four function buttons to enter menu interface.
(2) Press **UP** or **Down** button to select "Net to DMX8 /DMX8 to Net / DMX Split 1->7 / DMX Split 2x1->3 " option and then press **ENTER** button to enter.

* Net to DMX8 – converts ARTNET to DMX512
* DMX8 to Net – converts DMX512 to ARTNET
* DMX Split 1->7 – The unit will be used as a DMX splitter with 1 input and 7 outputs. The port DMX 1 will be used as an input. The port DMX 2~8 will be used as outputs.
* DMX Split 2x1->3 – The unit will be used as a DMX splitter with 2 sets of 1 input and 3 outputs. The port DMX 1 will be used as an input and the port DMX 2~4 will be used as outputs. The port DMX 5 will be used as an input and the port DMX 6~8 will be used as outputs.

2. Network

(1)Press any one of four function buttons to enter menu interface.
(2)Press **UP** or **Down** button to select "Network" option and then press **ENTER** button to enter.
(3)Press **UP** or **Down** button to select "IP Mode". Press **ENTER** button to select 2XX/10XX/CUSTOM modes. The value of IP Address, Subnet Mask and Gateway may change with IP mode.

* 2XX and 10XX Modes are suitable for MA consoles.
* CUSTOM is a custom mode. Press **UP** or **Down** button to select IP Address/ Subnet Mask/ Gateway option and press **ENTER** button to enter. Press **UP** or **Down** button to set the value and press **ENTER** button to confirm.

The following are the default contents of the 3 IP modes. The contents are subject to the actual. 2XX mode is the default mode.

▶Network	01/05
IP Mode	2XX
IP Address	002 052 146 240
Subnet Mask	255 000 000 000
Gateway	002 052 146 240
Back	

▶Network	01/05
IP Mode	10XX
IP Address	010 052 146 053
Subnet Mask	255 000 000 000
Gateway	010 052 146 053
Back	

▶Network	01/05
IP Mode	CUSTOM
IP Address	192 168 001 007
Subnet Mask	255 255 255 000
Gateway	192 168 001 001
Back	

3.Ports

(1) Press any one of four function buttons to enter menu interface.
(2) Press **UP** or **Down** button to select "Ports" option and then press **ENTER** button to enter.
(3) Press **UP** or **Down** button to select " Port 1/Port 2.../Port8".

▶Outlet	01/09
Port 1	▶
Port 2	▶
Port 3	▶
Port 4	▶
Port 5	▶
Port 6	▶
Port 7	▶
Port 8	▶
Back	

* Set Port 1-8

For example, set Port 1

▶Port 1	01/08
Direction	OUT
Protocol	ArtNET
IP Merging	SINGLE
FrameRate	40
Universe	0
No DMX	HOLD
RDM	0*8S
BACK	

Press **UP** or **Down** button to select "Port 1" option and then press **ENTER** to enter. Press **UP** or **Down** button to select "Direction/Protocol/IP Merging/ FrameRate / Universe / No DMX / BACK" option.

* Press **UP** or **Down** button to select "Direction" option and then press **ENTER** button to change "OUT/IN/Disable".
* Press **UP** or **Down** button to select "Protocol" option and then press **ENTER** button to change "sACN/ArtNET".
* Press **UP** or **Down** button to select "IP Mergering" option and then press **ENTER** button to change "SINGLE/HTP/LTP".

Notes: This option is available only when Direction is set to "OUT"

- SINGLE: The DMX signal is sent to the DMX port from the first connected console;
- HTP: The DMX signal is sent to the DMX port from the merging of the first and second connected consoles. It will compare the values on the inputs and send the highest value of each DMX channel from both consoles to the DMX port.
- LTP: The DMX signal is sent to the DMX port from the merging of the first and second connected consoles. It will compare the value on the inputs and send the last changed value of each DMX channel in both consoles to the DMX port.

* Press **UP** or **Down** button to select "FrameRate" option and then press **ENTER** to enter. The default Frame Rate is 40.Press the **ENTER** button to enter, and dial the **ENTER** button to modify the Frame Rate. The value range that can be modified is 1~40. After selecting the desired Frame Rate value, press the **ENTER** button to save.
* Press **UP** or **Down** button to select "Universe" option, press the **ENTER** to enter, dial the **ENTER** button to select the Universe, the value range that can be modified is 0~32767. After selecting the desired value, press the **ENTER** button to save.
* Press **UP** or **Down** button to select "No DMX" option and then press **ENTER** button to change "HOLD/ZERO/OFF".

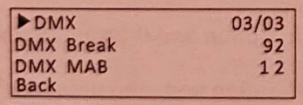
Notes: This option is available only when Direction is set to "OUT".

- When "Hold" is selected, the DMX port will keep outputting the last channel value before no-signal, and the DMX1-8 indicators will keep flashing;
- When "ZERO" is selected, the DMX port keeps the value of the output channel as 0. The DMX1-8 indicator will keep flashing;
- When "OFF" is selected, the DMX port has no channel value output, and the DMX1-8 indicators are off.

* Press **UP** or **Down** button to select "RDM 0*8S" option, The default RDM Frame Rate is 0.the value range Press the **ENTER** button to enter, and dial the **ENTER** button to modify the Frame Rate. The value range that can be modified is 0~999.After selecting the desired Frame Rate value, press the **ENTER** button to save.

4.DMX Out

(1)Press any one of four function buttons to enter menu interface.
(2)Press **UP** or **Down** button to select "DMX Out" option and then press **ENTER** button to enter.
(3)ress **UP** or **Down** button to select "DMX Break/ DMX MAB/ Back".



*** Set DMX Break**

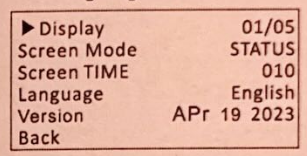
A. Press **UP** or **Down** button to select "DMX Break" option and then press **ENTER** button to enter.
B. Press **UP** or **Down** button to set value "092-999". Press **ENTER** to confirm. (The Default is 92)

*** Set DMX MAB**

A. Press **UP** or **Down** button to select "DMX MAB" option and then press **ENTER** button to enter.
B. Press **UP** or **Down** button to set value "012-999". Press **ENTER** to confirm. (The Default is 12)

5.DISPLAY

(1)Press any one of four function buttons to enter menu interface.
(2)Press **UP** or **Down** button to select "Display" option and then press **ENTER** button to enter.
(3)Press **UP** or **Down** button to select "Screen Mode/Screen Time /Rotary Type /Language/Back".



*** Set Screen Mode**

Press **UP** or **Down** button to select "Screen Mode" option and then press **ENTER** to select "STATUS/ON/OFF" option. Press **ENTER** to confirm. (The Default is STATUS)

*** Set Screen Time**

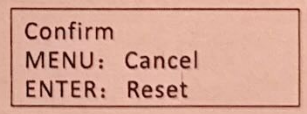
Press **UP** or **Down** button to select "Screen Time" option and then press **ENTER** to enter it. Dial **ENTER** button to change the Screen Time "003-255". Press **ENTER** button to confirm. (The Default is 010)

*** Set Language (English/Chinese)**

Press **UP** or **Down** button to select "**Set Language**" and then press **ENTER** button to select "English/语言". Press **ENTER** button to confirm.

6.Load Default

(1)Press any one of four function buttons to enter the main menu.
(2)Press **UP** or **Down** button to select "Load Default" and then press **ENTER** button to enter.
(3)Press **UP** or **Down** button to select "MENU: Cancel" or "ENTER: Reset".
(4)Press **ENTER** button to confirm.



Notes:

* Select option "MENU: Cancel", then return to the previous menu and cancel load default
* Select option "ENTER: Reset", the unit will restore the factory settings.