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## ★ Declaration

This product has passed the final check for both functionalities and package when delivered from the factory. All users should observe the instructions and pay attention to the warnings covered by this manual. Unreasonable damages resulting from unintended operations or not heeding instructions covered by this manual will void the warranty. Specifications in this manual intend for reference only, the fixture delivered takes the priority. Any future modification pertaining to content of this manual, there will be no particular notifications. FINE ART reserves all copyrights. To obtain the latest information about software update and other files, please visit FINE ART website.

# 1. Safety Information

The following symbols are used to identify important safety information on the product and in this manual:



**DANGER!**  
Refer to manual before installing, powering or servicing.



**DANGER!**  
Hazardous voltage.  
Risk of severe or lethal electric shock.



**DANGER!**  
Safety hazard.  
Risk of severe injury or death.



**Warning!**  
Fire hazard.

$t_a \dots \text{°C}$

Rated maximum ambient temperature

## Safety instructions :



1. Read this user manual before switching on or installing.
2. Follow the operational safety precautions and pay attention to the warning signs on user manuals and equipment.
3. This product is suitable for indoor and outdoor environment its protection level is IP65.
4. When the equipment is working normally, its ambient temperature should not exceed 40 degrees, if the temperature exceeds the limit, please stop using the equipment immediately.

$t_a = 40\text{°C}$



5. Do not block or barrier the vents in chassis to avoid overheating and malfunction.
6. Prevent equipment from touching other liquids such as water.
7. Avoid using any high-power communication equipment near the equipment.



8. Equipment should be kept dry to avoid being used in humid, overheated or dusty environments.
9. Only use power cables with safety protection signs.
10. If the power cord or plug is damaged, please let the qualified person change immediately.



11. Please do not place any hard objects on the power cables, so as not to crush or crush the protective cover.
12. The device provides a safety plug, which can only be used in conjunction with a safety socket.
13. When cleaning equipment, the power plug should be unplugged. No liquid spraying or detergent. Please use cloth for cleaning.



14. Power should be cut off before handling.
15. Do not replace parts and components not from FINE ART.
16. Please remove the power plug when the weather is thunder and lightning or not in use or for a long time.

17. All maintenance work should be carried out by qualified maintenance personnel. When the power cord plug is damaged, the liquid enters the equipment is wet or particularly humid, the equipment will not work normally. In addition, there is a risk of electric shock.
18. For pluggable equipment, the equipment should be located near the equipment and should be easily accessible.
19. If you have other questions about how to operate the equipment safely, please contact the dealer or call the service hotline.

### **Touch Screen**

Do not use metal or other sharp objects to operate the touch screen, so as not to damage the screen.

Be careful not to let hard objects touch the touch screen during transportation.

# 2.Product Introduction

## 2.1 Dimension

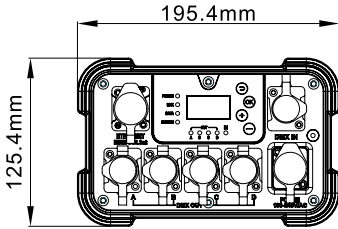


Fig.2.1-1

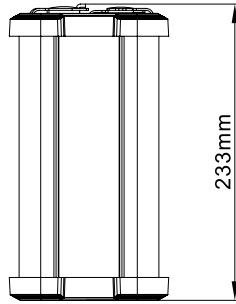
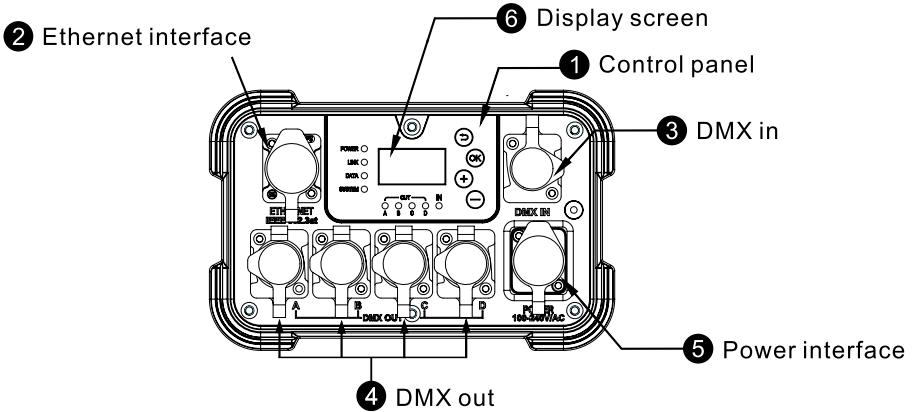


Fig.2.1-2

## 2.2 Panel Introduction



- |                      |   |
|----------------------|---|
| ① Control panel      | Select menu options/modify parameter values |
| ② Ethernet interface | Connect from equipment to console           |
| ③ DMX in             | One DMX signal input ports                  |
| ④ DMX out            | Four DMX signal output ports                |
| ⑤ Power interface    | Connect power cord                          |
| ⑥ Display screen     | 2.6 inches colorful display screen          |

## 3.Package & Delivery

TEKMAND NODE 4P OD is packed with carton. Included items listed as below:

TEKMAND NODE 4P OD	1pcs
User Manual	1pcs
Net Cable	1pcs
Power Cable	1pcs
Suspension Fastener	2pcs
Safety Rope	1pcs

## 4.Technical Feature

Details:

1 Ethernet interface (10/100/1000M)

4 DMX 512 output ports

1 DMX 512 input ports

Built-in 2.6 inches colorful touch screen

Display DMX status through the LED

Support power supply by network (POE/802.3at)

Support Artnet/sACN protocol

Support remote upgrade software/remote configuration port by Artnet

Support viewing device status by Web

Support setting Frame Rate (Packet Rate) by DMX

Support remote fixture management by RDM

Support network mode/amplifier mode and can be switched automatically

Power supply: 100-220V~ 46mA 50/60Hz

Power: 2W

Working Position:

1.Available suspension fastener installation

2.Any safety position to install

Equipment Dimension: 233mmx195.4mmx125.4mm

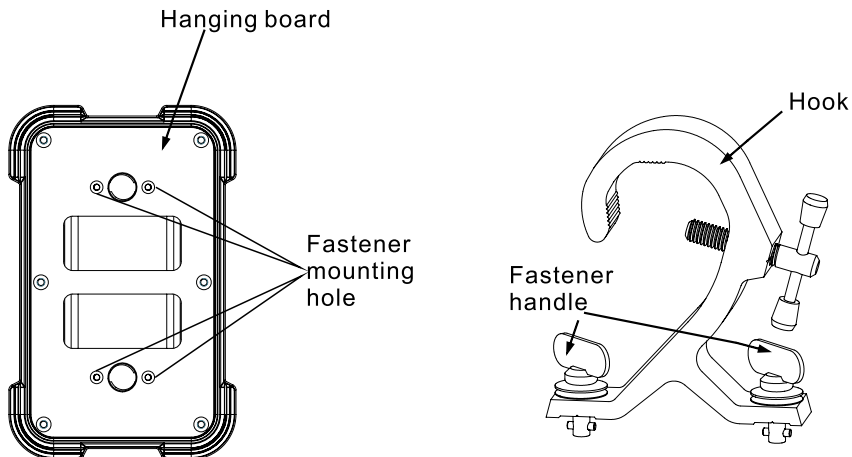
Packaging Dimension: 305mmx170mmx300mm

Packing: 1pc/carton,0.4KG

Net weight: 1.9KG

Gross weight: 2.55KG

## 5. Hang System Installation



1. Verify that the safety rope and suspension fastener are not damaged before installation, and whether the building can bear the weight of the decoder.
2. Lock equipment hook and equipment clamp with M12 screw and nut.
3. As shown in the figure, one suspension fastener is inserted horizontally into the mounting hole of the decoder hanging board, and the handle of the fastener is grasped and rotated clockwise for 1/4 turn to lock. Install the second fastener in the same way.
4. With suspension fastener, install the safety rope in accessories.

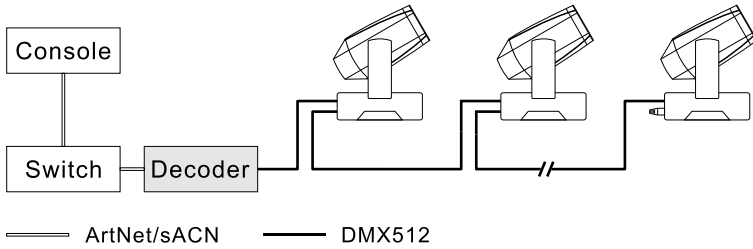
## 6. Equipment Connection

### 6.1 Power Connection

- Connect the power interface of the decoder to the power cord.
- The other end of the power cord is connected to 100V-220V~, 50/60Hz power supply.
- Turn on the power to start the decoder and put it into use.

### 6.2 Network Connection

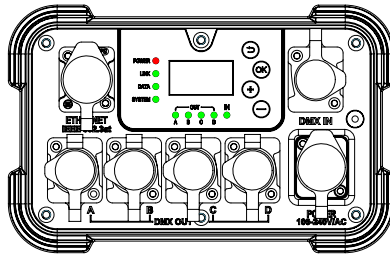
- Connect one end of the network cable to the ethernet port of the decoder.
- The other end of the network cable is connected to the switch of the console at the same time, so that the decoder is in the network and can be used to replace the network signal with the DMX signal.



**Note:**

- If the input of the decoder is not connected to the network port, but is connected to the DMX signal input port, this decoder can be used as a signal amplifier.
- If the switch complies with the IEEE802.3at protocol, the decoder can directly supply power to the PoE, otherwise it needs to be supplied by the power input interface. ( power supply by PoE can not coexist with power supply by cable.)

## 7. Operation Instructions






Indicator	State	Function
POWER	Keep bright	Input power normal
SYSTEM	Keep bright	Equipment normal
LINK	Flash	Network port connection normal
DATA	Flash	Data output normal
OUT(A/B/C/D)	Keep bright	Data is being sent in A/B/C/D output port
IN	Keep bright	Data is being received in DMX IN input port
Touch key	Operation way	Function
	Touch by hand	Enter the main menu/Return to the previous menu
	Touch by hand	Go to the next menu/Save the modification parameters
	Touch by hand	Select options/Modify parameters upward
	Touch by hand	Select options/Modify parameters downward

## 7.1 Boot/Signal Status

1. After the decoder is connected to the network through the PoE switch, the **POWER** and **SYSTEM** indicator lights on the panel are always on, and the **LINK** and **DATA** indicator lights are flashing.
2. When the decoder receives the console signal or is with signal input, the “IN” indicator on the panel is always on. If the A/B/C/D output light is always on, it means that A/B/C/D ports are with signal output.

## 7.2 Parameters Setting

1. Enter the main menu. After power on the decoder connected to the PoE switch, touch  and enter the main menu. At this time, the network value in the menu is **10/100/1000M**.
2. Set the input signal status. Touch  and select the four ports of **Port A/B/C/D** to set parameters. For example, select **Port A** and press  to enter the next menu, as shown in Figures 7.2-1 and 7.2-2.

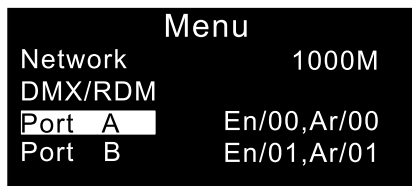


Fig7.2-1

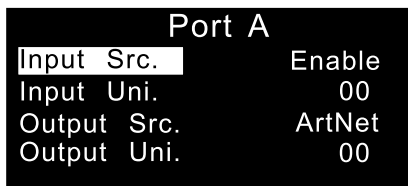












Fig7.2-2

Then touch  (enter parameter modification) →  or  (Setting **Disable/Enable** means no signal input/signal input) →  (save parameter modification).

3. Set the output signal status. Touch  select **Output Src.** to set parameters. Touch  to enter the parameter modification, then Touch  (enter parameter modification) →  or  (set to **ArtNet/sACN** mode or **Disable**, standard mode defaults to **ArtNet** mode. ) →  (save parameter modification), as shown in Figures 7.2-3 and 7.2-4.

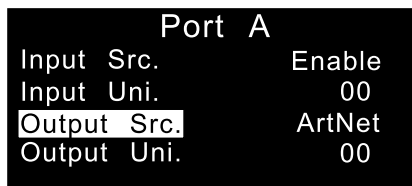


Fig 7.2-3

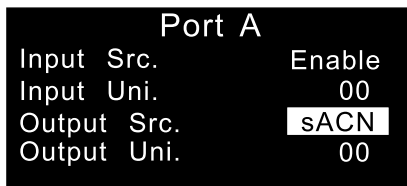


Fig 7.2-4



4. Address code setting. ① Open the main menu→Select and enter the **Network**→Select **ArtNet Addr.** to modify, as shown in Figure 7.2-5.  
② Select **ArtNet Sub.** to modify. ③ Return to the main menu→Select and enter **Port A/B/C/D**→Select **Input Uni.** to modify→Select **Output Uni.** to modify, as shown in Figure 7.2-6. The address code modification can be completed in three steps.

Network	
IP.octet3	199
IP.octet4	191
<b>ArtNet Addr.</b>	000
ArtNet Sub.	00

Fig 7.2-5

Port A	
Input Src.	Enable
Input Uni.	
Output Src.	ArtNet
<b>Output Uni.</b>	

Fig 7.2-6