产品规格书

Product Specifications

虹笛像素点
Hondys Pixel

晨亮光电
CLEN LED

虹笛像素点
Hondys Pixel

Product name：Hondys Pixel

Product model: CL-HDP1

Overview：

This product is a smart wireless LED lamp, adopts 2.4G WIFI wireless transmission, supports wireless ARTNET signal control, and the control distance can reach 60M; Supports button/APP/PC/console control, easy to use; It can realize various lighting effects such as monochrome, gradient, flowing water, jumping, dynamic, etc. Built-in multiple lighting modes, suitable for various scenes; Powered by rechargeable battery, supports PD3.0 fast charging protocol, the minimum working time of full power is 3 hours, and the minimum working time of power saving mode is 4.5 hours; Suitable for stage lighting, stage performances, temporary events, auto shows, wedding venues, outdoor travel, photography, concerts and other places.

Wireless battery lamp：

OLED Display

Type-C

UP DOWN MENU

Hondys Pixel

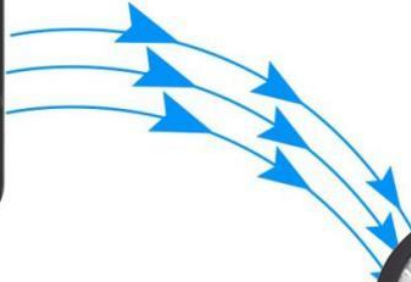| Parameters	Unit	Description
Optical parameters		
Color rendering index	CRI	≥92
Color temperature	K	3200-8500
Color	—	RGBW
LED light	—	COB
LED quantity	PCS	1
Pixel quantity	PCS	1
Gray level	—	65536
Color refresh frequency	—	16K
Electronic parameters		
Charging voltage	V	5V-20V (PD Protocol)
Maximum power	W	30
Operating mode	—	DMX、ART-NET(RDM）
Battery Life	TIMES	≥500
Battery life	H	Full power>3　　Power saving mode>4.5
Charging time	H	≤5
Transmission distance	M	> 60 (ART-NET mode) > 100 (Command mode) 　（Laboratory environment）
Operating language	—	Simplified Chinese/English
Structural parameters		
Size	MM	100*100*65
Weight	KG	0.74
Waterproof rating	—	IP64
Shell material	—	Aluminum
Control way		
Display	—	OLED display
Manual control	—	Button control
Support software	—	Hondys/Mad-show/Madrix

Features：

Support 2.4G WIFI transmission, remote control, distance up to 60m;

➢ Implement USB PD3.0 fast charging standard, support 20V voltage charging;

➢ Four control methods, APP control, Manual control, PC software control, Console control;

APP control

Turn on the hotspot on the mobile phone, configure the hotspot, and automatically connect after enabling the APP and the hondys pixel;

Manual control

Button control, convenient and fast;

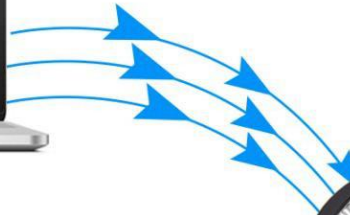| Operation	Function Description
UP Button	Switch options：switch options up；

DOWN Button	Switch options：Switch options down；
MENU Button	Start/Function Switch；

PC control

After the computer is turned on/configured with the mobile hotspot, enable the software to connect to the hondys pixel to use it remotely;

Console control

The console connect with Hondys pixel through amplifier.

➢ Support nested installation, splicing and modeling is more convenient；

- ➢ Support synchronous and coordinated control of multiple battery lamps, the effect is more prominent；

- ➢ It can realize various lighting effects such as gradient, jump, flowing water, monochrome, dynamic, etc.；

- ➢ Adjustable color temperature, brightness, speed and other lighting parameters；

- ➢ Built-in a variety of scene lighting effects, easy to deal with a variety of scenes;

- ➢ The minimum working time of full power is 3 hours, and the minimum working time of power saving mode is 4.5 hours;

3×3500MAH
10500MAH
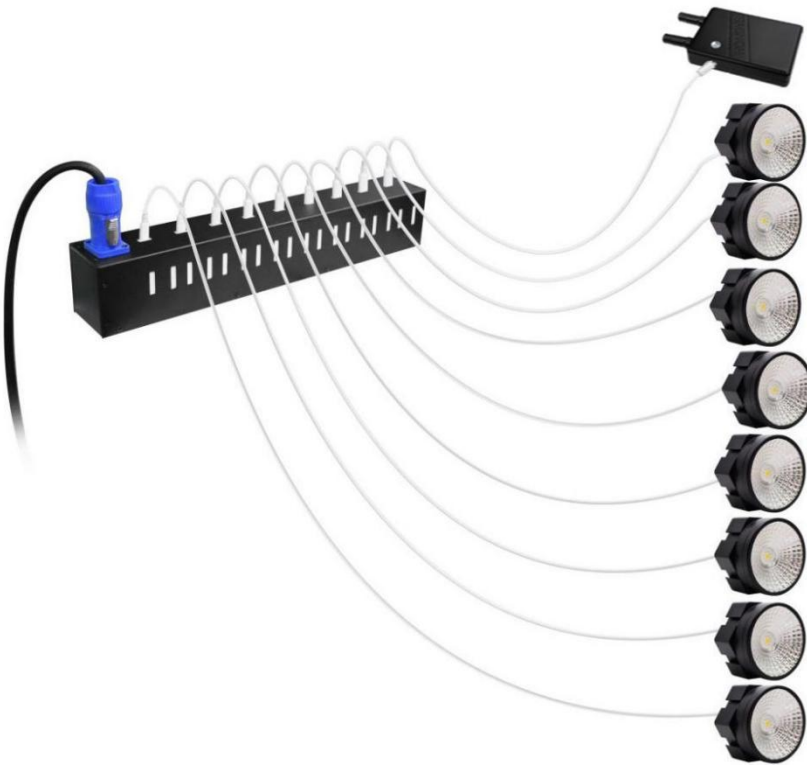**Large Capacity Battery**

➢ Support software control such as Hondys\Mad-show\Madrix

➢ 9-in-1 Charger, Fast flash charge;

◆ **Flight case packing；**

➤ Packing list；

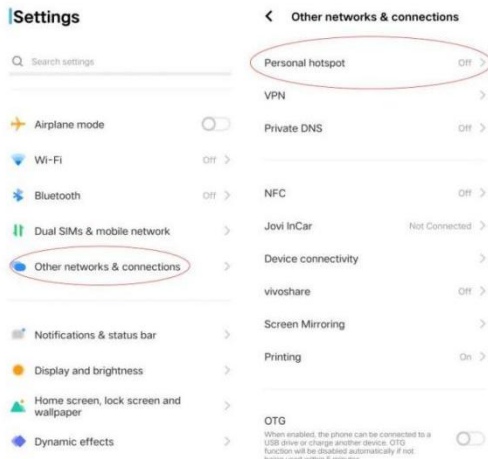| Name	Unit	Quantity
Hondys pixel	PCS	8
Amplifier	PCS	1
Amplifier XLR cable	PCS	1
Charging box	PCS	1
Power line	PCS	1
Type-C line	PCS	9
Connector	PCS	8
Flight case	PCS	1

◆ **Connection and control**

1. Hondys APP connection control;

(1) Turn on the mobile phone hotspot；

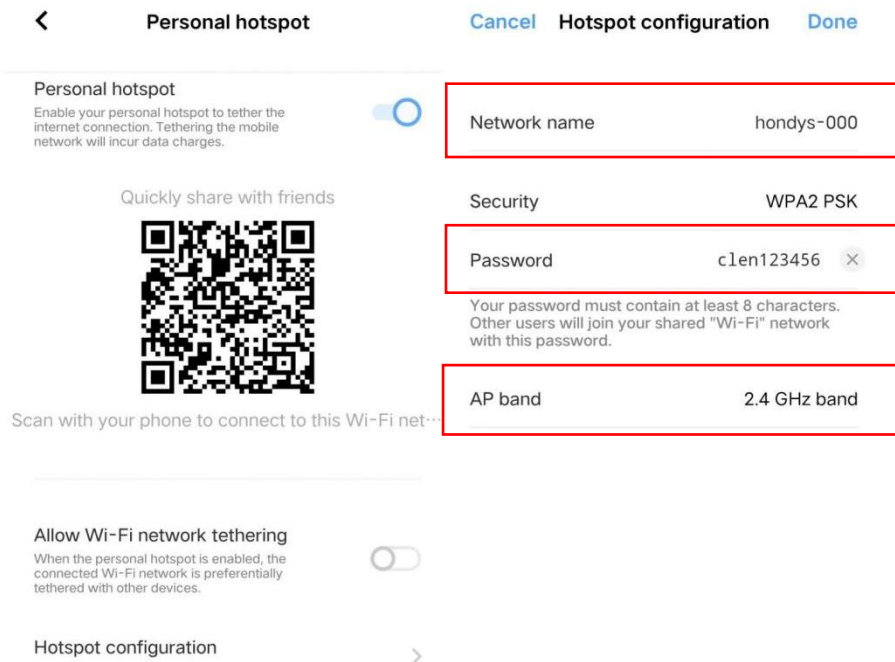Open phone settings - other networks and connections - personal hotspot
Turn on mobile hotspot (no need to turn on WiFi and data network)

(2) Hotspot configuration

Click on the hotspot configuration, enter the network name: hondys-000
Password input: clen123456 AP frequency band select 2.4GHz frequency band (5GHz frequency band is not supported), Click Finish；

（3）Long press any button on the front panel of the flute, the flute will automatically connect after it is turned on；

Connected   Didn't connected

Artnet Mode
IP : 192.168.43.168
ID : 1—1

①

Artnet Mode
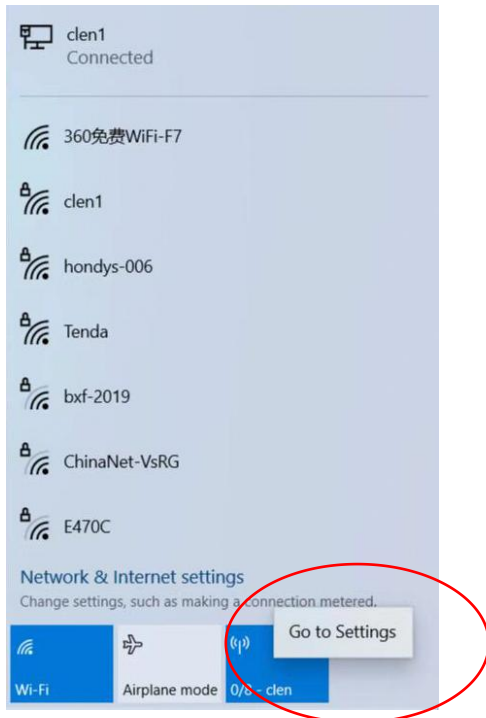IP : connection fail
ID : 1—1

②

The Hondys pixel panel appears as shown in the picture ① interface the connection is successful；
If the interface shown in picture ② appears, the connection fails.
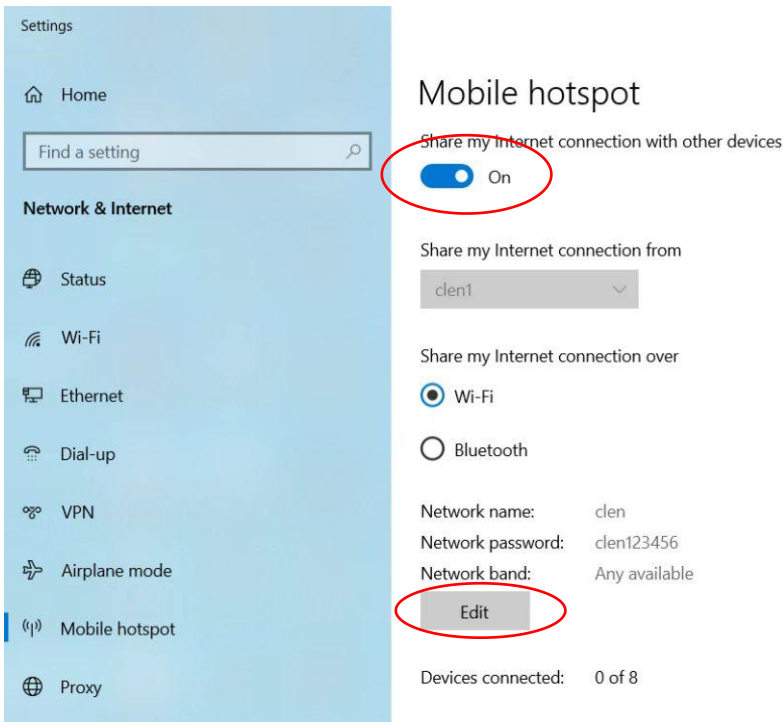Check whether the hotspot configuration is set correctly；

2. MAD-SHOW connection control

(1) Click any button switch to turn on the rainbow flute, the default Artnet mode；

HONDYS
V1.00

Artnet Mode
IP : connection fail
ID : 1—1

（2）Click Settings, and the computer will turn on the mobile hotspot；

clen1
Connected

360免费WiFi-F7

clen1

hondys-006

Tenda

bxf-2019

ChinaNet-VsRG

E470C

Network & Internet settings
Change settings, such as making a connection metered.

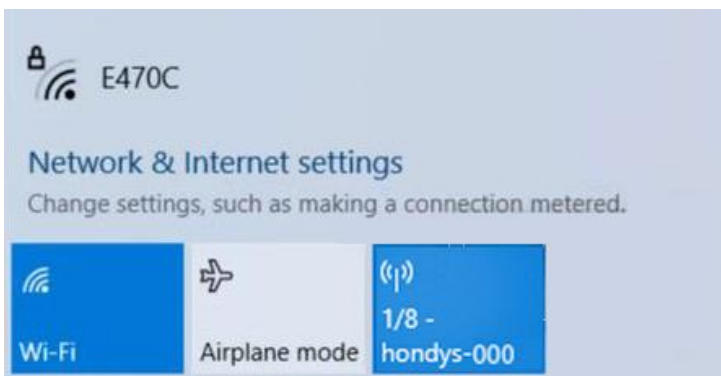Go to Settings

Wi-Fi   Airplane mode   0/8 - clen

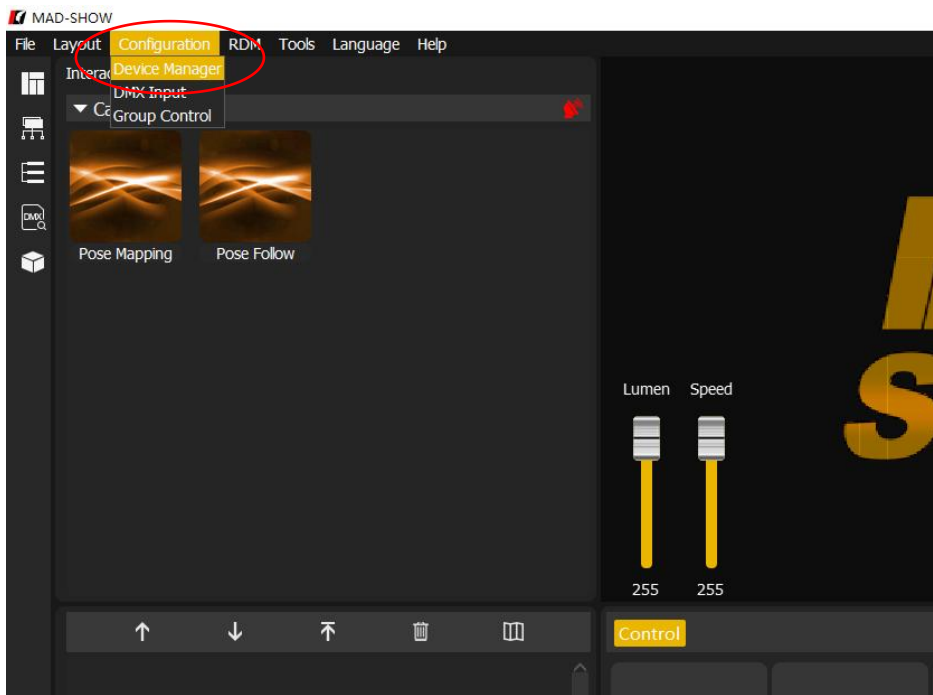Click Edit, enter the network name: hondys-000 Network password: clen123456, click Save；

The hotspot shows that 1/8-hondys-000 has been connected, that is, 1 piece hondys pixel has been connected, and a total of 8pcs hondys pixel can be connected；
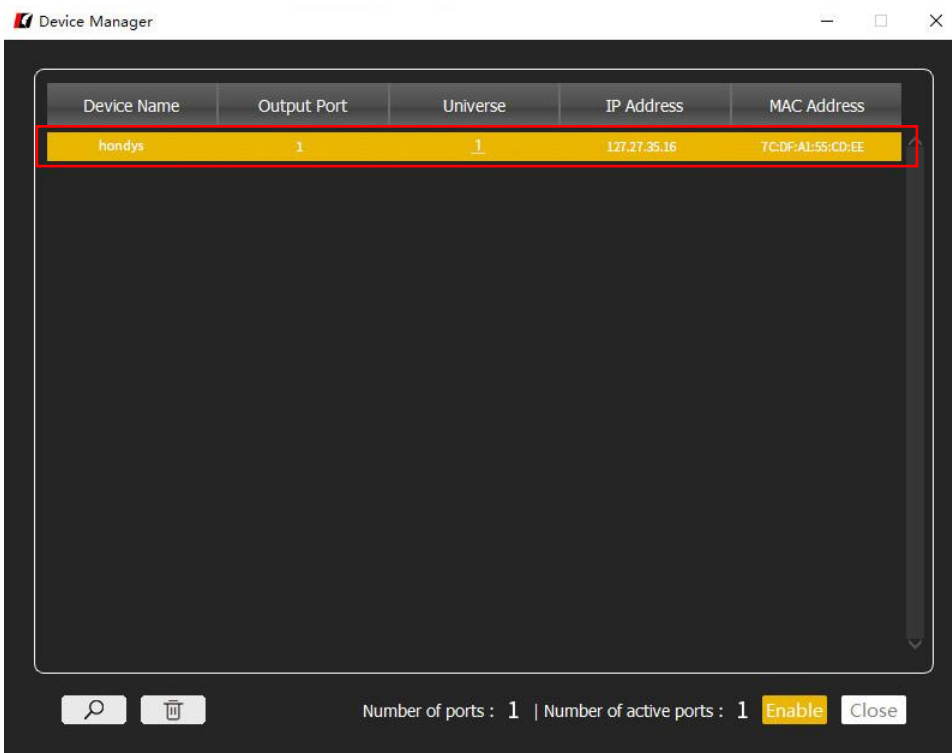
(3) Open the software (take mad-show as an example), click Configure to open the device manager interface;

Click the search button to search for the IP of the Hondys pixel, and click Enable to connect (each Hondys pixel automatically assign different IP addresses)

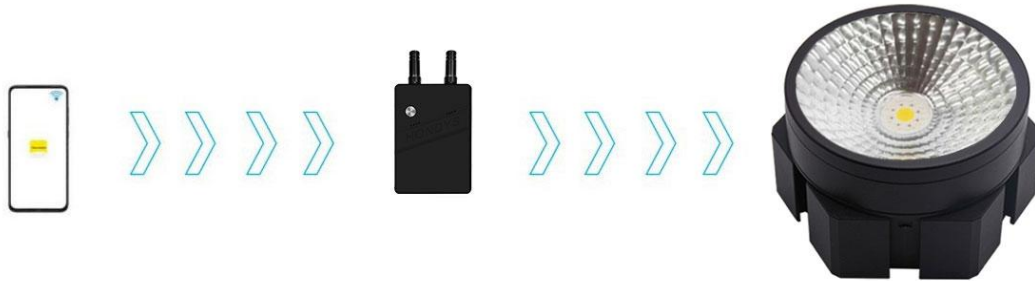The Hondys pixel panel as shown below means the connection is successful:
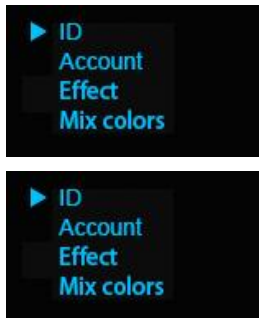
Connected

Didn't Connected

Artnet Mode
IP : 192.168.43.168
ID : 1—1

Artnet Mode
IP : connection fail
ID : 1—1

③When multiple hondys pixel are cascaded, repeaters can be used to expand the signal transmission range;
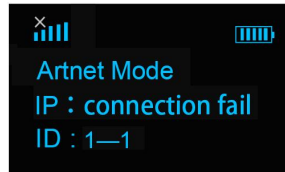
Note: When multiple units are cascaded, ID settings are required, and each universe has a maximum of 128 pixels. For example: ID settings are: 1-1, 1-2, 1-3, 1-4, 1-5... Each universe has a maximum of 128 pixels, so the maximum ID setting is 1-128(it is recommended that each repeater be cascaded up to 32 units)
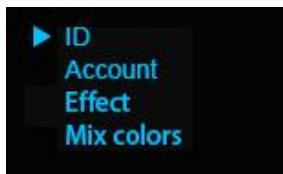
ID
Account
Effect
Mix colors

ID : 1—1

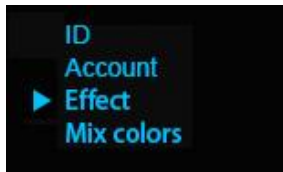ID
Account
Effect
Mix colors

ID : 1—2

3. Manual Control

（1）Click the any button to turn on the hondys pixel, flash red, green and blue, and enter

the Artnet mode;

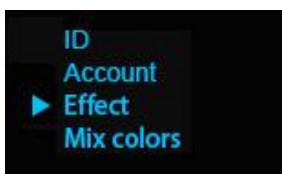（2）①Click the MENU button again to enter the built-in menu;

②Click the UP/DOWN button to switch parameter options；

(3) Click the MENU button to enter the effect setting, click the UP/DOWN button to switch

the built-in effect；

(4) Click MENU to exit the current menu bar and return to the previous interface;

In the same way, key parameters such as color matching, color temperature, brightness, and speed can be

set;

4. Console control

The hondys pixel and the repeater enable automatic connection, adjust the repeater to DMX mode, connect the console to the repeater and wait for the signal light to flash, then the connection is successful；

Channel	Name	Figure	Instructions
1	Effect	0-255	17 kinds of dynamic lighting effects + 36 kinds of static lighting effects, 4 values for one lighting effect.
2	Speed	0-255	Adjust the speed, the larger the value, the faster the speed
3	Brightness	0-255	Adjust the brightness, the larger the value, the higher the brightness
4	R	0-255	Increase the red effect to the original effect, 0 is the original effect, 255 means that whole effect become red
5	G	0-255	Increase the green effect to the original effect, 0 is the original effect, 255 means that whole effect become green
6	B	0-255	Increase the blue effect to the original effect, 0 is the original effect, 255 means that whole effect become blue
7	W	0-255	Increase the white effect to the original effect, 0 is the original effect, 255 means that whole effect become white
8	Stroboscopic	128-255	When the value is less than 128, there is no strobe effect. When the value is greater than 128, the strobe flashes. Channel 2 can adjust the strobe speed.

Software Download

iOS users search for and download/install Hondys from the app store

Android users can scan and download/install via their browser..

Notice:

1. The lampshade of this product has the appearance of a Diameter 40PC round tube, avoid contact with corrosive environments and objects.

2. There are important components on both sides of the head of this product, please handle it with care and do not beat it;

3. This product has a built-in battery, pay attention to the use environment, fire and high temperature;

4. The charging voltage is 5V-20V, do not use high voltage charging;

5. Man-made damage and natural damage are not guaranteed by warranty;