



Pknight



WIFI-DMX EASYNODE PLUS USER MANUAL

Introduction: Congratulations and thank you for purchasing the Pknight WiFi-DMX EasyNode. The plug is a **wireless bridge between your WiFi device and all lighting products equipped with DMX512.** It is the ideal solution for film and television video lights or for any event where you don't want data cables to be seen, and when it is not easy to run data cables to your fixture(s) location. The EasyNode creates its own local secure Wi-Fi network so that you can use Your iPhone or iPad or Android phone or a laptop or Tablet PC as a lighting controller using many DMX apps.

Customer Support: Pknight Products, LLC provides a toll free customer support, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.Pknightpro.com for any comments or suggestions.

E-mail: carrierplus@163.com / info@pknightpro.com
We will contact you within 24 hours

IMPORTANT

Default IP Address: 192.168.4.1

Default Hotspot Password: PKNIGHT.WIFI

The app we can use:

APP	iOS	iPad	Android	Mac	Windows
WIFI-DMX PRO	✓	✓	✓	own production free app	
Luminair 4	✓	✓			
Stellar	✓	✓	✓		
Photon		✓			
StageLight		✓			
Blackout Lighting Console		✓			
vibrio		✓	✓		
LightRider		✓	✓		
FreeStyle					✓
QLC+				✓	✓
Lightkey				✓	
LXConsole				✓	
Madrix				✓	✓
Chameleon				✓	
LightFactory					✓
arkaosmediamaster				✓	✓
Lightforge					✓
TOUCHDESIGNER				✓	✓
JinxLED Matrix Control					✓

NOTE There are many other apps not on the list





1 Battery Indicator

2 Power Switch Button

Single click to turn on, double click to turn off

3 Antenna

4 Channel Button

Short press this button, the controller will change the WiFi frequency.

5 Charging Port

Connect the provided power supply to this hole. **5V DC**

6 Signal Channel Indicator

these frequencies are displayed in 7 colors (red, magenta, yellow, white, blue, green, cyan)

*NOTE*HOW TO RESTORE FACTORY SETTING

First double-click the power switch button to turn off the power, then press and hold the signal channel button, click the power switch button again to turn on the power, wait for 5 seconds the controller will restore the factory settings.

led indicator diagram 7 colors

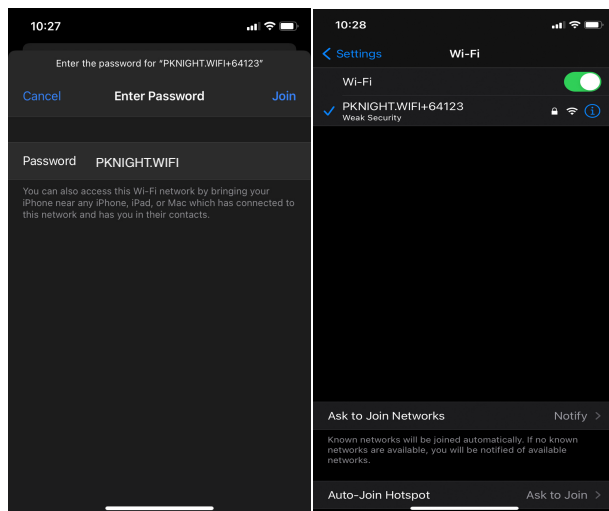


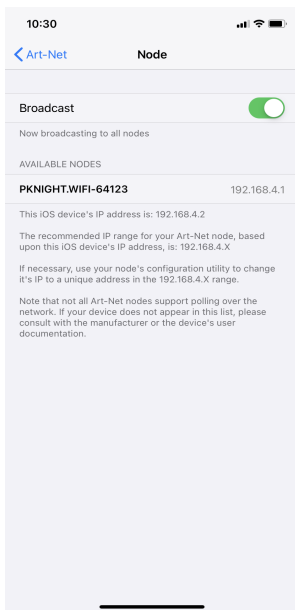
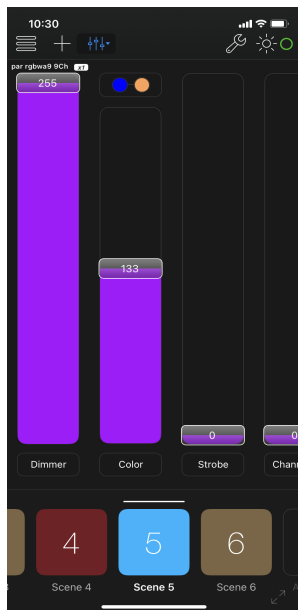
NOTE

If the led indicator blinks quickly, the DMX signal output is normal, otherwise, it is abnormal. Please recheck!

All setup is done by the device with the apps installed.

Turned on the Pknigh® WIFI-DMX EasyNode, you should be able to find the “PKNIGHT.WIFI+64123” network using the Wi-Fi settings on your mobile network equipment. (*note*The red number 64123 is the unique identification of this controller) The default password to join is “PKNIGHT.WIFI”.After joining the network you can start the DMX app. The figure below is the interface of luminair.





Here we have completed the work of signal connection, if you want to change this controller WiFi name and password, open the web browser of your device and enter 192.168.4.1, a view will appear similar to the following figure.

note It is recommended that you change the name or password or both for the security of your lighting system.

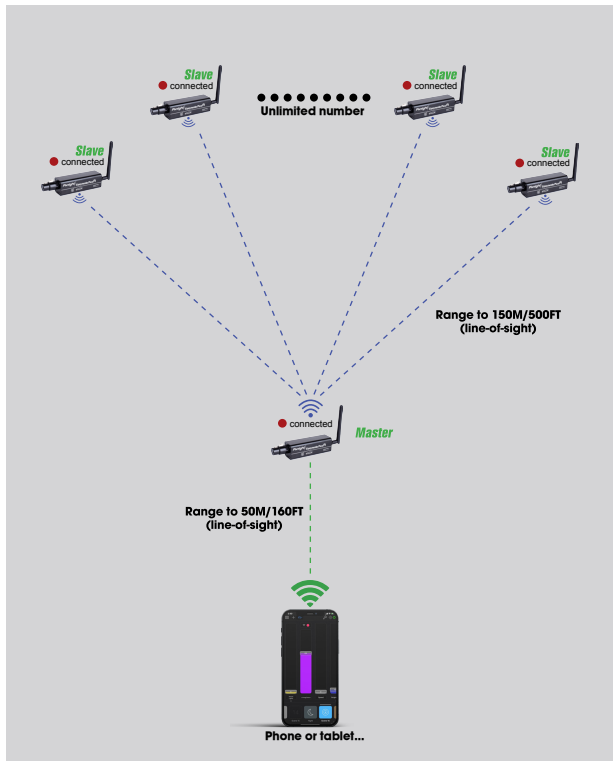
WiFi SETTING

 A screenshot of the WiFi SETTING web interface. At the top, there is a header bar with 'AA' on the left, '192.168.4.1' in the center, and a refresh icon on the right. Below the header, there is a section 'WiFi-DMX ArtNet & sACNtoDMX & RDM'. Under this section, there are three tabs: '(DEVICE STATUS)', '(WIFI)', and '(IP & NAME)'. Below the tabs, there are three rows of settings: '(PORT) A', '(SCENES)', and '(FIRMWARE)'. Below these, there is a '(REBOOT)' button. Below the settings, there is a section '(WiFi Settings)' with a 'Save Changes' button. Under '(WiFi Settings)', there are four sections: '(MAC Address):' with value '94:B9:7E:87:F6:7C', '(Wifi SSID):' with a text input field, '(Password):' with a text input field, and '(Hotspot SSID):' with value 'PKNIGHT.WIFI+64123'. Below these, there are two more sections: '(Start Delay):' with value '25 (seconds)' and '(Stand Alone):' with a checked checkbox. At the bottom, there is a note: '(In normal mode, the hotspot will start after delay seconds if the main WiFi won't connect. If no users connect, the device will reset and attempt the main Wi again. This feature is purely for changing settings and ArtNet data is ignored.)'

- ① If you want to connect an external router, you need to enter the router's WiFi name and password, and not only that, you need to make sure the checkbox(④) is not checked if you want to make this connection take effect. **(used only in router mode)**
- ② Here is the controller itself WiFi or hotspot information, it can be customized, The network name can be 1-32 characters in length and the password can be 8-16 characters in length. Only alphanumeric characters or space characters are allowed.
If you forget the WiFi password, you can go back to page 5 and refer to the function button to restore factory settings.
- ③ If the wifi of the external router cannot be connected, the hotspot will start after a delay of 25 seconds. It can also be customized.
- ④ Check the independent mode to disable the router's WiFi connection and allow data to be received through its own hotspot. Usually, we use it as a switch to disconnect the router's WiFi and use its own hotspot to connect with other devices.

Turn off the power and then turn it back on for the changes to take effect.

Easylink mode



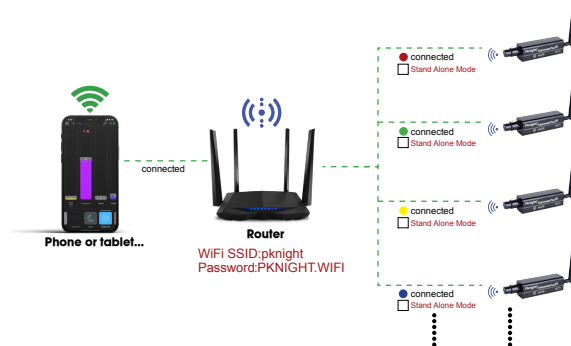
How to do?

In easylink mode, just make sure that the LED lights of each controller have the **same color**, and then connect the hotspot signal of any controller with a mobile phone. now it's good to go.

- The easylink mode is perfect for the system construction of film and television lights.
- The most cost-effective wireless dmx kit on the market
- The most convenient wireless dmx kit on the market

In Easylink mode, no need to do any web configuration, just adjust the indicator light of the controller to the same color.

Router mode



In router mode, we want to build such a local area network, our mobile phone or tablet computer and multiple controllers are connected to the **2.4G** WiFi signal of the router. Buying a better router and assigning **different wifi channel of controller** will also optimize the stability and speed and range of the system's signal transmission.

different wifi channel of controller refer to different color of led indicator

How to do?

It's easy for our mobile phone or tablet PC. Let's follow the picture to set up the controller's network. First connect the mobile phone to the hotspot signal of the controller. Then open the mobile browser to do the operation as shown in the figure below

AA 192.168.4.1 1

WiFi-DMX ArtNet & sACNoDMX & RDM

(DEVICE STATUS) (WIFI) (IP & NAME)

(PORT) A (SCENES) (FIRMWARE)

(REBOOT)

(WiFi Settings)

Save Changes 5

(MAC Address):
94:B9:7E:87:F6:7C

(Wifi SSID):
pknight 3

(Password):
PKNIGHT.WIFI

(Hotspot SSID):
PKNIGHT.WIFI+64123

(Password):
PKNIGHT.WIFI

(Start Delay):
25 (seconds)

(Stand Alone):
☐ 4

(In normal mode, the hotspot will start after delay seconds if the main WiFi won't connect. If no users connect, the device will reset and attempt the main Wi again. This feature is purely for changing settings and ArtNet data is ignored.)

- 1 Enter 192.168.4.1 in the browser
- 2 Select the "WiFi" function bar
- 3 Enter the WiFi information of the router
- 4 Uncheck the **Stand Alone** checkbox
- 5 **Save Change**

Follow the steps in the figure above to connect all the controllers to the router one by one, the color indicator flashes on the controller should try different.

Disconnect the power to the controller for 3 seconds, then reconnect it. At this point, if your settings are correct, the controller will automatically connect to the router's WiFi signal. If not, please check again.

Open the mobile WiFi interface, wait for the router WiFi signal to appear and connect to this signal. Now it's good to go!

Warranty

A. **1 months** upon date of purchase, if there is function problem, we should offer the same item subject to goods and packing maintain perfect.

B. **3 Years** upon date of purchase, we will guarantee to keep the goods in repair. (not including fittings)

C. Guarantee service is subject to **normally using**.

C. Please do not rotate the antenna arbitrarily in case of damaging it. All of damage by **man-made** (tear open the housing, tear off the sticker, unnormally using), or **losing this manual**, we will not guarantee.

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.