

Pknight



USBelf

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1. Overview

Welcome to USBelf, a powerful RDM tool that can modify the properties of DMX lighting fixtures individually or in batches.

USBelf includes a small hardware dongle and a suite of mobile and desktop applications. Together, they provide wireless DMX and RDM control as well as several other useful functions to the user's smartphone and Windows PC.

In addition to its RDM capabilities, the product also serves as a mini DMX console. It allows recording of console output DMX signals and storing them in project files, which can be output to the lighting fixtures at any time.

USBelf stands out for its simplicity, powerful features, and high reliability. We believe it will be your ideal choice.

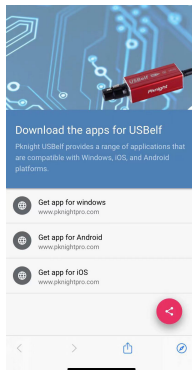
1.1 Hardware

The USBelf is a compact and portable device that comes equipped with a 3-pin or 5-pin DMX interface, as well as a Type-C wired interface for power supply and communication with desktop applications. It also features an antenna that allows users to connect their mobile devices to the hotspot generated by the USBelf, enabling wireless control of connected lighting fixtures.

The product includes a mode indicator light, WiFi channel indicator light, WiFi channel switching button on the back panel. The wireless mode indicator light can be used in conjunction with the wireless mode WiFi channel switch button. Each time the button is pressed, it switches to a different WiFi channel, and the indicator light changes color accordingly. This feature is particularly useful in environments with many WiFi signals, allowing users to select a relatively clean communication environment by switching WiFi channels.

1.2 Software Applications

Pknight USBelf provides a range of applications that are compatible with Windows, iOS, and Android platforms. Use Google Lens to scan the QR code below and access the relevant apps for the USBelf device.



Note:

on PC, we **only** support Windows and do **not support** macOS.

2. Customer Support:

Pknight Products, LLC provides toll-free customer support to assist with setup and answer any questions that may arise during your initial use of our products. We value your feedback and invite you to visit us at www.pknightpro.com to share comments or suggestions.

If you have any inquiries or require further assistance, please do not hesitate to contact us via email at info@pknightpro.com. Our team is committed to responding within 24 hours and ensuring that you receive the help you need.

Thank you for choosing Pknight Products. We are dedicated to providing exceptional service and enhancing your user experience.

3. Technical Specs

Power input:	5Vdc / 500ma
Output signal:	RDM / DMX512
DMX channels:	1 universe / 512 channels
DMX connection:	3-pin XLR female
Operating modes:	Wired mode
	Wireless mode
Wi-Fi specification:	2.4G 802.11n
Working temperature:	-30℃ ~65℃
Product Dimension :	L110×W30×H25mm
	L4.3×W1.2×H0.98inch
Package size:	L140×W70×H60mm
	L5.5×W2.75×H2.4inch
Weight (G.W):	180g
	6.35oz

4. Front Panel



3-pin xlr female port

5. Rear Panel



① Mode indicator

- Color: Green
- Stays on: work in wired mode, capable of bidirectional communication with Windows PC
- Stays off: work in wireless mode, capable of generating a WiFi hotspot and waiting for mobile device connection

② Type-c port

- In wireless mode: provide power to the host.
- In wired mode: provide power to the host and also responsible for communication with the PC end.

③ WiFi channel indicator & Link status indicator

- 7 Colors: red Magenta yellow white blue Green cyan
- 7 channels available in the 2.4GHz WiFi band
- Blink slow: USBelf has not received a signal from Windows or mobile device.
- Blink fast: Connection successful.

④ Channel switching button

⑤ Antenna connector

- only be connected antenna operating in the 2.4GHz frequency band.

6.how to use

6.1 Tutorial on Windows



6.2 Tutorial on Android

USBelf hotspot

Name: PKNIGHT USBelf -xxxxx

Password: 12345678



Tutorial

6.3 Tutorial on iOS

USBelf hotspot

Name: PKNIGHT USBelf -xxxxx

Password: 12345678



Tutorial