

# Pknight



## DMX Recorder and Playback Controller DR & PB MINI

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To download the digital version of this manual and get more details, scan the QR code below



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## 1. Introduction

Thank you for choosing our DMX Recorder and Playback Controller, model DR & PB MINI, a versatile tool designed to enhance your lighting control experience. This device supports seamless recording and playback of DMX512 signals, handling up to 512 channels (1 universe). Compatible with mobile apps, computer software, and traditional consoles, it offers a high-performance, cost-effective solution for various lighting setups. The compact and robust unit is easy to configure using its intuitive interface and OLED display. Perfect for live performances and stage productions, our DR & PB MINI ensures precise and reliable lighting control.

## 2. 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.pknighpro.com](http://www.pknighpro.com)

for any comments or suggestions.

E-mail: [info@pknighpro.com](mailto:info@pknighpro.com)

We will contact you within 24 hours

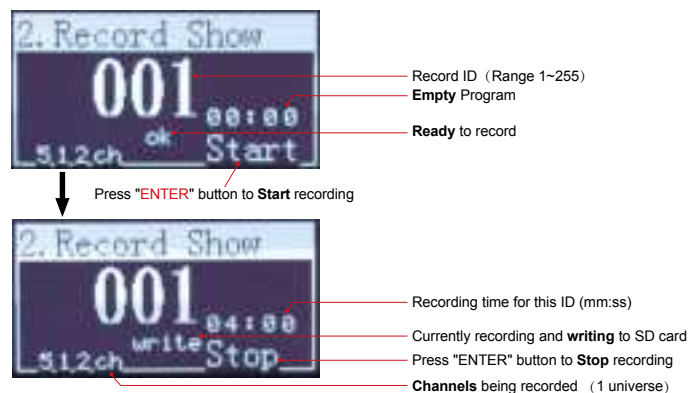
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## 3. Three Modes

### 3.1 DMX Recording Mode

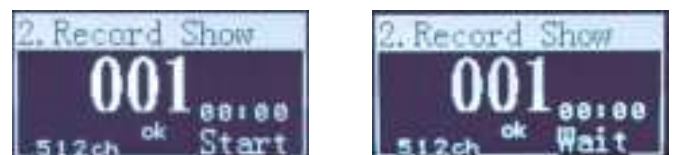
#### Direct Recording:

Record external DMX signals directly through the DMX IN port. Simply select the Record ID(1-255) and start recording.



#### Standby Recording:

Ideal for multiple DMX Recorders recording simultaneously. Switch to recording mode and wait for the DMX signal to automatically trigger the start of recording.



Press and hold the 'ENTER' button for 3 seconds to change the display from 'Start' to 'Wait'

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3.2 DMX Playback Mode

Manual Playback Control:

Play recorded DMX programs directly through the device.



Record ID (Range 1~255)

Press "ENTER" button to Start playing the show Press "ENTER" button to Stop playing the show

External Device Control:

Unlock advanced control of your DMX Recorder and Playback Controller, DR & PB MINI, using a variety of external devices including DMX consoles, computer software or mobile apps. This integration allows real-time management of lighting effects, enhancing operational flexibility and enabling precise adjustments from any location—ideal for live performances and various events.



- ① Dual-Channel Control:  
Our controller operates with two channels, enabling precise control over your DMX settings:  
**DMX Personality ↓**  
**Channel 1:** Range 1~255, with each number representing a different recorded program.  
**Channel 2:** Range 1~255, used for dimming control.



- ② DMX Address Selection:  
**Access the Address Setting:** On the display shown in the left image, navigate to the "DMX Address" option.  
**Set the Address:**  
For example, setting the DMX address to 2 configures the controller to operate on DMX channels 2 and 3  
Setting the DMX address to 511 allows the controller to operate on DMX channels 511 and 512

More details, please scan the QR code in page 2

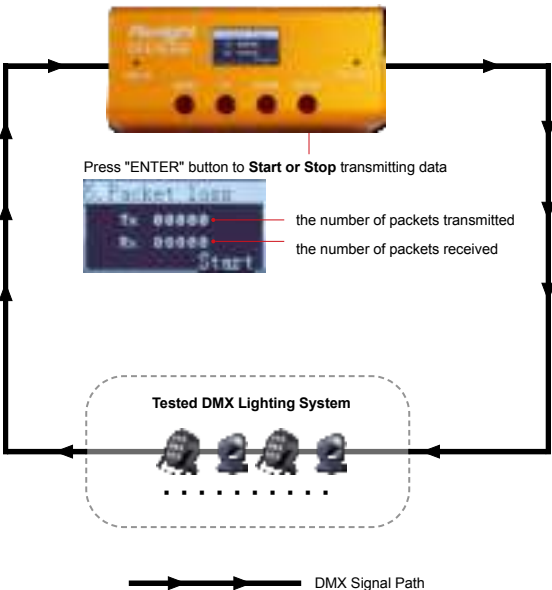
Detected DMX Frequency input: 0.22 Hz

3.3 Packet Loss Detection Mode

This mode tests the integrity of the DMX data flow in your lighting system. Perform the test using one or two units to ensure your setup is stable and reliable

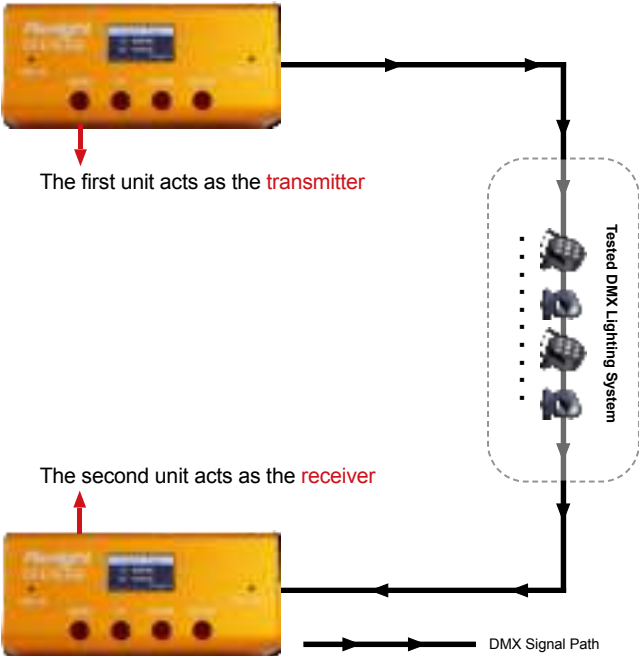
Single Unit Test:

Start a packet loss test by pressing 'ENTER' to send a set amount of data. Press 'ENTER' again to stop. Then, compare the number of packets sent to the number received on the unit's display. Any difference indicates a system issue.



Dual Units Test:

Start the packet loss test by connecting the transmitter's DMX OUT to the first unit and the receiver's DMX IN to the second unit. On the first unit, press 'ENTER' to begin transmitting data and press 'ENTER' again to end the transmission. Then, on the second unit, check and compare the number of packets received to the number sent from the first unit. Any discrepancies between the counts indicate a communication problem between the units.



4. Equipped with Micro SD Card

4.1 Removable Micro SD Card



- Press to Insert or Remove:  
Easily install or remove the SD card with a simple press—no tools required.
- 32GB Memory Included:  
Comes standard with a 32GB microSD card, providing ample storage for your data and recordings.
- Replaceable Card:  
If the SD card becomes damaged, it can be conveniently replaced to ensure continuous operation.

4.2 Easy Program Storage and Backup:



- Program Storage:  
Recorded programs are saved as .dmx files on the SD card. Each file name corresponds to the recorded ID.
- Backup and Transfer:  
These files can be backed up and copied to other identical devices for easy transfer and duplication.