**CHINLY SR5540**

# CHINLY 2.4G DMX512 Wireless Transmitter & Receiver System (Model SR5540) Instruction Manual

Model: SR5540

## 1. Introduction

This manual provides instructions for the CHINLY 2.4G DMX512 Wireless Transmitter and Receiver System. This system is designed to transmit standard DMX512 protocol data wirelessly, eliminating the need for DMX cables in stage lighting setups. It offers reliable, real-time signal transmission with no noticeable delay.

## 2. Package Contents

Upon opening the package, please verify that all the following items are included:

- 1 x DMX Wireless Transmitter
- 7 x DMX Wireless Receivers
- 8 x Power Adapters (US Plug)
- 1 x Specification Sheet (this manual)


**Figure 2.1:** Image showing the contents of the package, including one transmitter, seven receivers, eight power adapters, and the instruction manual.

## 3. Product Specifications

| Feature | Specification |
|---|---|
| Product Type | 2.4G Wireless DMX512 R/T |
| Work Voltage | AC100-240V |
| Receive Sensitivity | -94dBm |
| Max Transmitting Power Rate | 20dBm |
| DMX Connector | 3-pin male XLR |
| Communication Distance | 400M (visible distance) |
| Work Frequency Section | 2.4G ISM, 126 channels |
| ID Code Groups | 7 groups settable |

| | |
|---|---|
| Material | Zinc alloy + plastic |
| Transmitter Size | L8.2 * W0.7 * H0.7in (approximate) |
| Receiver Size | L3.1 * W0.7 * H0.7in (approximate) |
| Item Weight | 1.92 pounds (total package) |


**Figure 3.1:** Detailed view of the DMX wireless transmitter, highlighting its power input, indicator light, key button, XLR connector, and antenna with approximate dimensions.

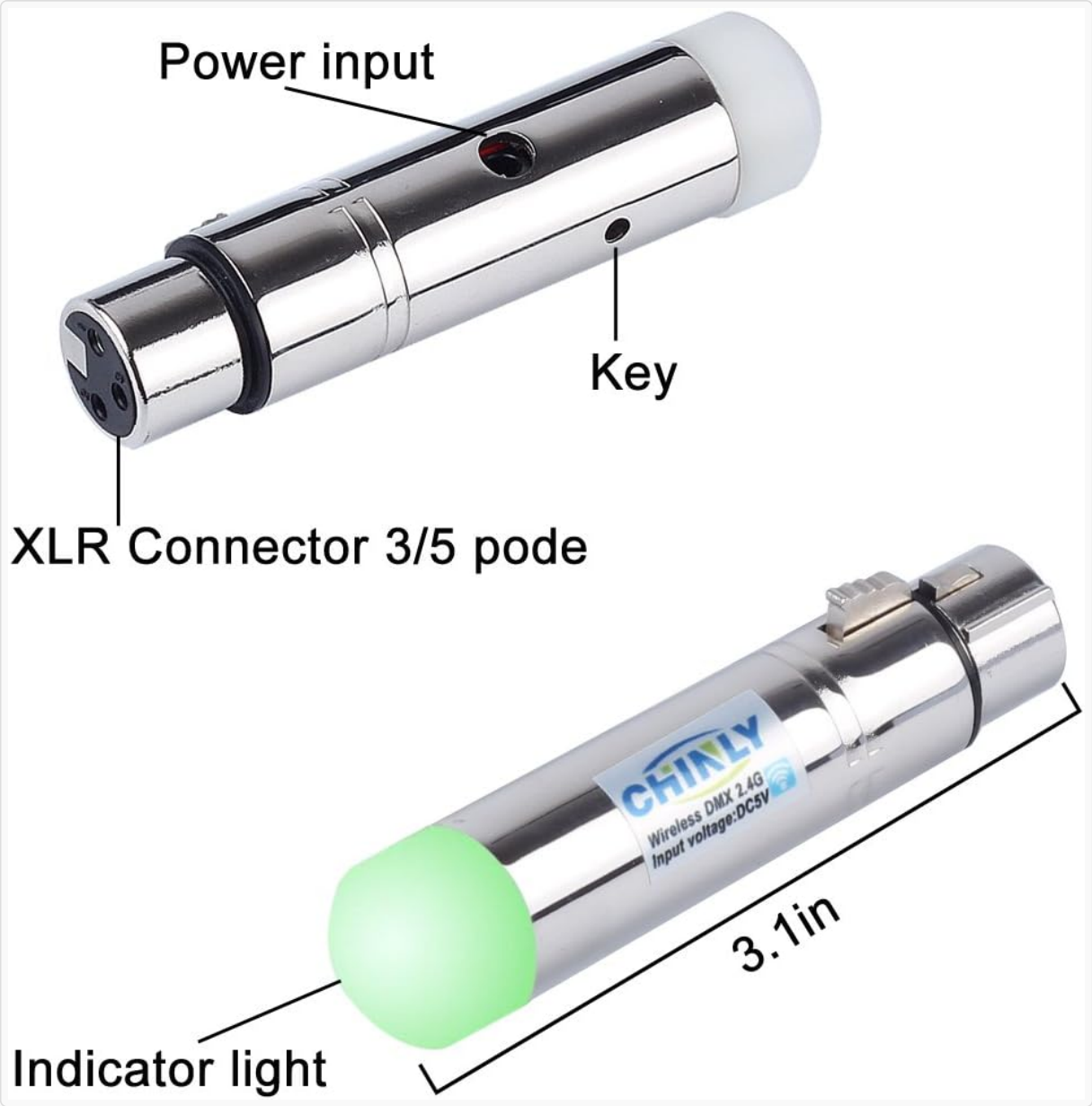


**Figure 3.2:** Detailed view of the DMX wireless receiver, showing its power input, key button, XLR connector, and indicator light with approximate dimensions.

## 4. Setup Instructions

Follow these steps to establish communication between the DMX wireless transmitter and receivers:

1. **Power On Devices:** First, connect the power adapters to all DMX wireless receivers and then to the DMX wireless transmitter. Ensure all units are powered on.
2. **Set ID Value:** Press the "Key" button on both the transmitter and each receiver to set them to the same ID value. The ID value is indicated by the color of the LED light. For example, if the transmitter is set to ID 1 (red), all receivers should also be set to ID 1 (red).
    - If multiple wireless DMX systems are used in the same location, ensure each system uses a different ID value to prevent interference.
3. **Observe Communication:**
    - The red LED on the transmitter will flash when it is transmitting DMX data and searching for an interference-free frequency section.
    - The green LED on the receiver will flash as it changes its communication frequency section. Once it receives data with the matching ID value, the green LED will flash faster, indicating

successful communication.

4. **Verify Connection:** Communication is correctly established when the green LED on the receiver flashes rapidly and consistently, mirroring the DMX data transmission.


**Figure 4.1:** The DMX wireless transmitter shown connected to its power adapter, ready for setup.


**Figure 4.2:** An overview of the CHINLY DMX wireless system, showing one transmitter and multiple receivers, illustrating a typical setup.

## 5. Operating Instructions

Once communication is established, the system operates automatically:

- Connect the DMX wireless transmitter to your DMX console or controller.
- Connect each DMX wireless receiver to the DMX input of your lighting fixtures (e.g., PAR lights, moving heads).
- The system will transmit DMX data from the console to all connected lighting fixtures wirelessly.
- The 2.4G ISM frequency band and 126 channels ensure automatic frequency hopping and high anti-jamming capability, providing stable signal transmission.
- The system supports 7 groups of ID codes, allowing multiple independent wireless networks to operate simultaneously in the same area without interference.

**Figure 5.1:** An example of the CHINLY DMX wireless system integrated into a stage lighting setup, showing the transmitter connected to a DMX console and receivers connected to lights.

## 6. Maintenance

To ensure the longevity and optimal performance of your CHINLY DMX Wireless System, please observe the following maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the devices. Do not use abrasive cleaners, solvents, or harsh chemicals.
- **Storage:** When not in use, store the devices in a cool, dry place, away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the units with care. Avoid dropping them or subjecting them to strong impacts.
- **Power Adapters:** Only use the provided power adapters. Ensure cables are not pinched or damaged.
- **Antenna:** Ensure the antenna on the transmitter is not bent or damaged, as this can affect signal range and stability.

## 7. Troubleshooting

If you encounter issues with your DMX wireless system, refer to the following troubleshooting tips:

- **No Communication / No Light:**
  - Ensure both the transmitter and all receivers are properly powered on and connected to their respective power adapters.
  - Verify that the power adapters are securely plugged into a working power outlet.
- **Intermittent Signal / Flickering Lights:**
  - Check that the transmitter and receivers are set to the same ID code.
  - Ensure there are no other 2.4G wireless devices operating on the same ID code in close proximity.
  - Reduce the distance between the transmitter and receivers. While rated for 400M, environmental factors (walls, metal structures, other wireless signals) can reduce effective range.
  - Ensure there are no large metallic objects or dense structures obstructing the line of sight between the transmitter and receivers.
  - Try changing the ID code to see if it improves signal stability, as this might select a less congested frequency channel.
- **Lights Not Responding to DMX Console:**
  - Confirm that the DMX cable from your console to the transmitter is functioning correctly.
  - Verify that the DMX cables from the receivers to your lighting fixtures are secure and functional.
  - Ensure your DMX console is outputting a valid DMX signal.
  - Check the DMX address settings on your lighting fixtures.
- **Power Adapter Fitment Issues:**
  - Some lighting fixtures may have power sockets positioned in a way that interferes with the DMX receiver's power input. If the power socket is directly adjacent to the DMX socket and obstructs the receiver's power adapter, consider using a short DMX extension cable or a different power adapter design if available and compatible.

## 8. Warranty and Support

Specific warranty information for the CHINLY 2.4G DMX512 Wireless Transmitter & Receiver System is not provided in this manual. For warranty details, technical support, or service inquiries, please contact your retailer or the manufacturer directly. Please retain your proof of purchase for any warranty claims.
For additional support, you may visit the CHINLY Store on Amazon.