



The **PROFESSIONAL XLR** wireless DMX system is the most compact, reliable and easy to use wireless solution on the market. Designed for the professional lighting director, musician, DJ or anyone who needs the convenience and practicality of wireless DMX. Programming the operating channel is as easy as choosing one of seven colors with the recessed dip switch. The operating channel will auto-store for future use.

Operating at a frequency of 2.4G, the internal software will auto-seek the cleanest frequency and lock automatically based on the current operating conditions. The system will operate effectively at a distance of up to 900 ft line of sight. Obstructed use will limit the range to some degree.

With these you can use up to seven transmitters each operating on its own channel with its own subset of receivers. You can use a single transmitter with an unlimited number of receivers. A minimum of one transmitter and one receiver is required for operation. See page 3 and 4 for diagrams for diagrams of possible operating configurations.

If you choose to use this system with a DMX optical splitter, you can control an almost unlimited number of DMX channels within your lighting network (see page 3 and 4 for diagrams).

OPERATIONAL INSTRUCTIONS FOR THE WIRELESS DMX SYSTEM

1. Power on the transmitter (male tip) with the included power adapter. Then connect the mini power plug into the power input hole of the transmitter body (see image at bottom of page).

Using a small tool, press the recessed button on the transmitter to select the operating channel group color. The color group setting you choose will auto-store. If you are only using one transmitter, which is the most common case, it will not matter which color you choose (assuming there is not any extraneous channel interference from other sources). See page 3 for information on using multiple transmitters.

The 7 Color Status LED will indicate the channel group for your wireless network

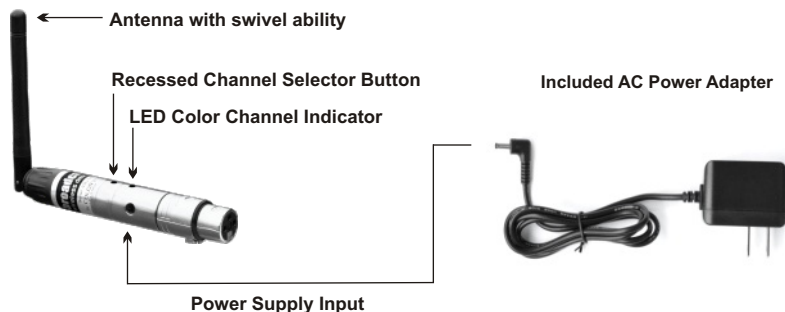
GROUP 1: **RED**
GROUP 2: **GREEN**
GROUP 3: **YELLOW**
GROUP 4: **BLUE**
GROUP 5: **MAGENTA (Purple)**
GROUP 6: **CYAN (Light Blue)**
GROUP 7: **WHITE**

2. Plug the transmitter (male tip) into the DMX output of your controller.
⏏ Note: Be sure to select the color group before connecting to the controller.

3. Set up the receiver(s). Power it on, select the same color group as you chose for the transmitter, the color group setting will auto-store. Insert the receiver (female tip) into the DMX input of your lighting fixture. You can control a single fixture, or a group of fixtures with one receiver. See diagram on page 2 for reference.

⏏ Note: Be sure to select the color group before connecting to the fixture.

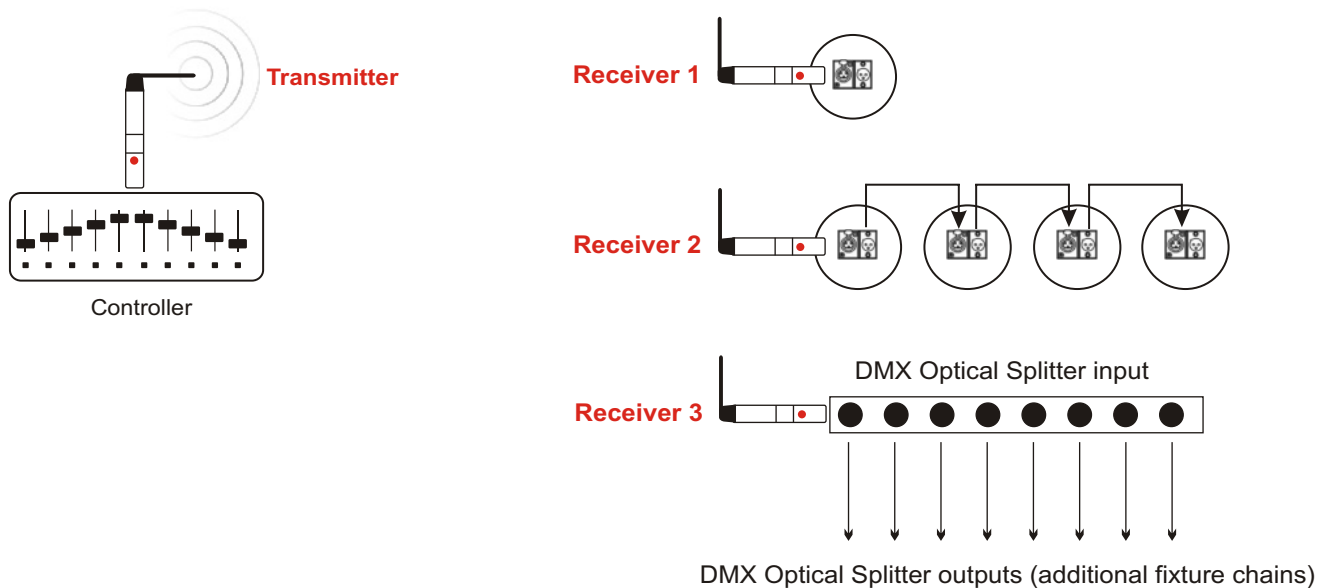
4. Activate a scene from your controller, which will send DMX signal to the transmitter. This will initiate the transmitter to seek a clear channel and sync to the receiver(s). The transmitter status LED will blink **RED** slowly until communication is established with the receiver(s). The status LED on the receiver(s) will blink **GREEN** slowly until communication is established. Once the transmitter and receiver successfully sync up, the status LEDs will blink quickly indicating your wireless system is now ready to operate. The transmitter and receiver LEDs will continue to blink quickly as long as the connection remains established.



SINGLE TRANSMITTER SYSTEM OPTIONS

Below are examples of how you can use your wireless system using a single transmitter. Remember that your color channel on the transmitter must match the color on the all receivers. One transmitter can be used with unlimited receivers.

- **Receiver 1** is connected to a single fixture.
- **Receiver 2** is connected to a chain of multiple fixtures.
- **Receiver 3** is connected to an 8-channel DMX Optical Splitter which is capable of sending DMX data to 8 individual chains. Each chain can run up to 16 fixtures. So you can see how receiver 3 is capable of controlling up to 128 fixtures (8 chains x 16 fixtures).

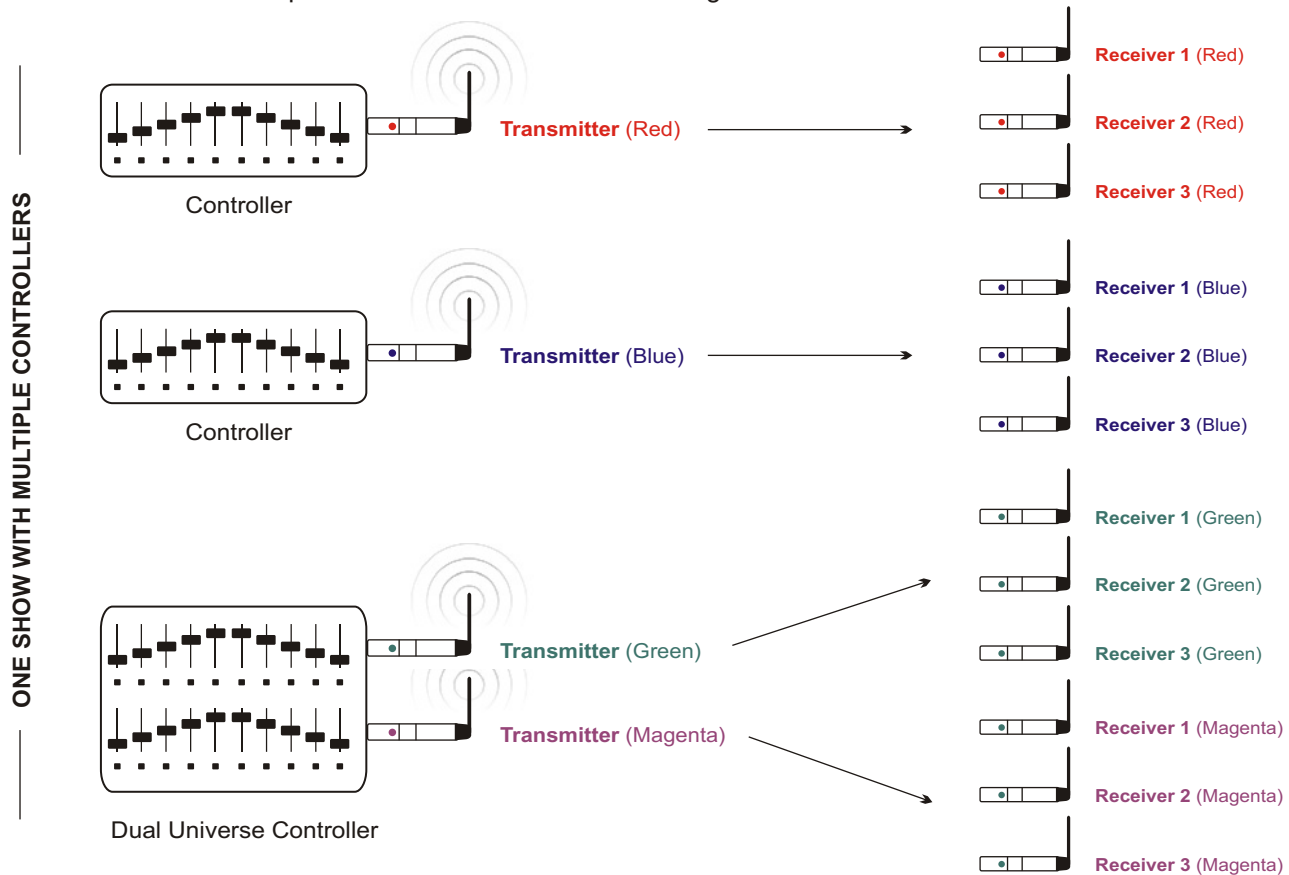


FEATURES & SPECS:

- Compact and reliable design
- Frequency jumping 2.4Ghz Wireless DMX system with 512 channels and 7 groups
- Transmission band: 2.4Ghz ISM (2.4-2.525Ghz)
- Up to 300 meter (appx 900 ft) transmission (line-of-sight)
- Up to 7 systems can operate simultaneously
- One transmitter can communicate with unlimited receivers
- 7-color LED channel groups
- Channels: 512
- Frequency Groups: 7
- Transmitter power: 20dBm
- Receiver sensitivity: -94dBm
- Power Supply: 5VDC, 500mA (adaptor included)
- IP20 Waterproof Rating - Indoor Use Only

MULTIPLE TRANSMITTER OPTIONS

The wireless dmx system allows you to use up to 7 transmitters within one show. Consider the drawing below, you may need to use multiple DMX controllers or dual / quad universes within one show (each universe will need one transmitter). When using more than one transmitter, make sure that the corresponding receivers are color matched to its respective transmitter. See the drawings below for reference.



Below is another useful application of how to use your wireless system. In this example, your transmitter and receiver are simply acting as a wireless jumper cable within your existing DMX fixture chain. You can continue the wireless chain by adding more transmitters/receivers but remember to group each pair by unique color groups.

