



Donner

compact wireless dmx system

DMX WIRELESS SERIES

The Donner 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 1300ft line of sight. Obstructed use will limit the range to some degree.

With the Donner system 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 2 and 3 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 2 and 3 for diagrams).

FEA TURES & SPECS:

- Compact 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 400 meter (appx 1300 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)
- Work frequency section: 2.4G ISM, 126 channels, frequency section

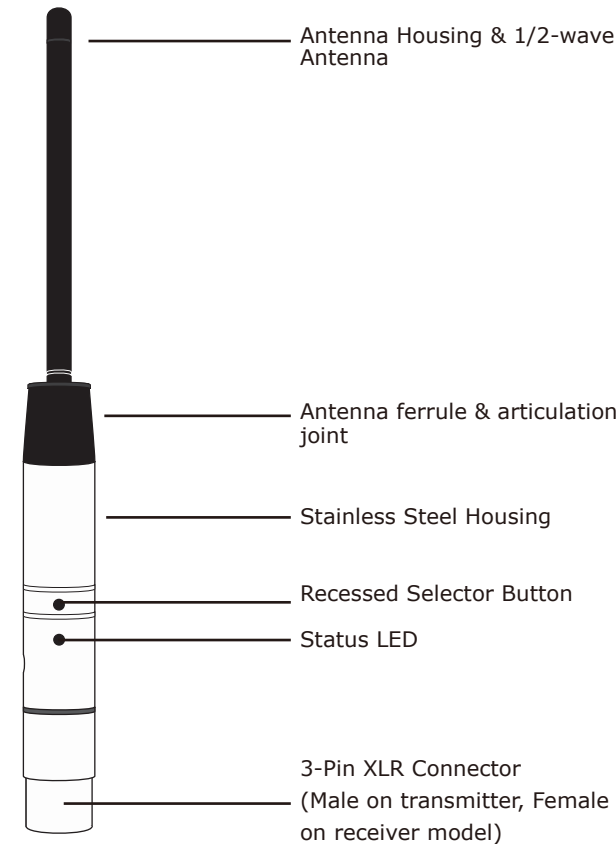


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WE HAD THIS PAGE, SO WE FIGURED WE' D DRAW YOU A PICTURE:



OPERATION, TIPS & TRICKS

Each Donner acts as both a transmitter and a receiver, depending on whether a DMX source is applied to the integral XLR connector. This is an extremely powerful feature of the system, however, it also requires 1 piece of due diligence, and that is the removal of extraneous DMX signals from your lighting rig BEFORE proceeding.

SO: BEFORE DOING ANYTHING ELSE, YOU SHOULD DISABLE ANY BUILT-IN PROGRAMS IN THE FIXTURES YOU WISH TO CONNECT AND/OR SET THEM AS SLAVES PRIOR TO RETURNING THEM TO DMX MODE (IF APPLICABLE). Most fixtures contain a built-in automatic, sound active or custom program which is designed to operate with the fixture NOT connected to a DMX chain.

Some of these programs will automatically run unless the fixture is set to slave mode. These fixtures typically sense DMX automatically and switch to DMX mode upon receiving DMX signal (our Pucks do that!)

If you plug a Donner "receiver" into an autosensing fixture set as a "master," chances are good that the Donner "receiver" will begin transmitting the master program. Most times, this is undesirable, and taking the two seconds to switch these programs off will solve a lot of ails.

Got that done? Good! Then let's proceed!

1. Power on the Donner Transmitter and Receiver.
2. Press the button on the Transmitter to select the operating channel group. (The system will store this setting for future use)

The 7-Color Status LED will change color to indicate the current channel group:

- GROUP 1: **RED**
- GROUP 2: **GREEN**
- GROUP 3: **YELLOW**
- GROUP 4: **BLUE**
- GROUP 5: **VIOLET**
- GROUP 6: **CYAN**
- GROUP 7: **WHITE**

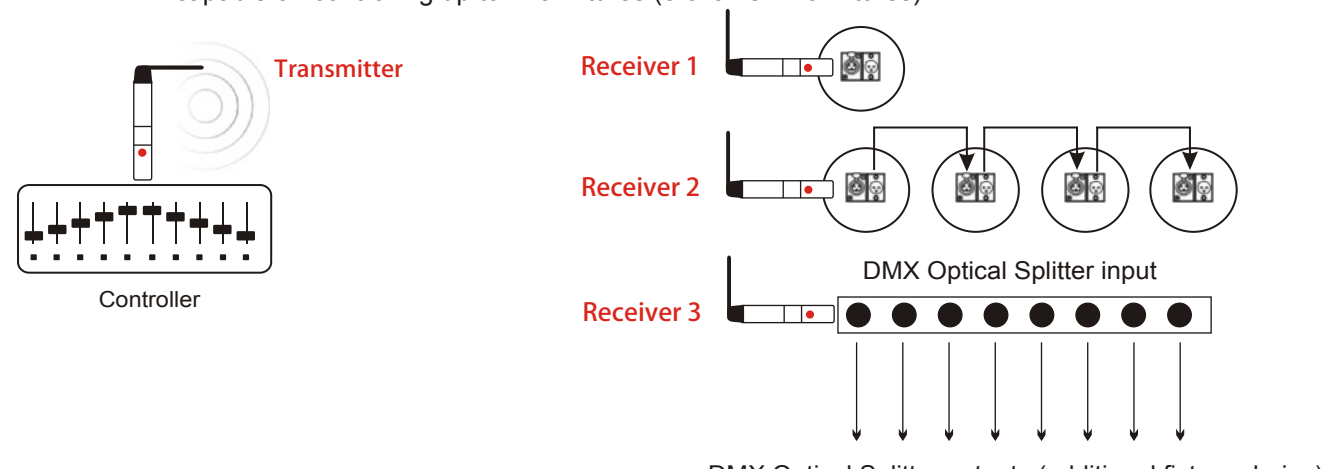
NOTE: "GROUP" number also corresponds to the "GROUP" setting on our LightCaster™ wireless DMX Transceiver.

3. Follow the same procedure on the Receiver to select the channel group.
4. Once both the transmitter and receiver(s) are both set to the same channel group, connect the transmitter to the DMX controller or the DMX out of a fixture on your DMX chain. Connect the receiver to the fixture you wish to control.
5. Once a DMX signal is provided to the transmitter, the status LED will blink **RED** slowly until communication is established with the receiver. The status LED on the receiver(s) will flash **GREEN** slowly until communication is established.
6. Once the clearest channel is auto-selected, the status LEDs will blink quickly.
7. That's It!

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).



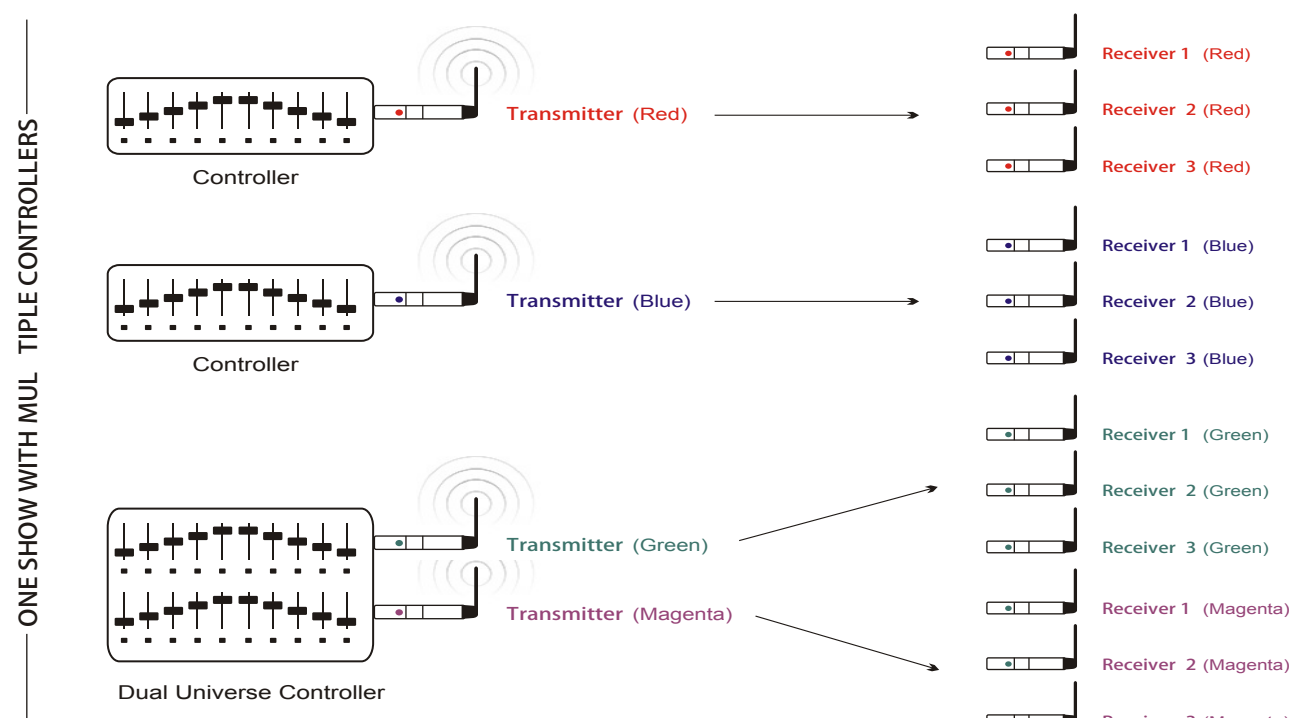
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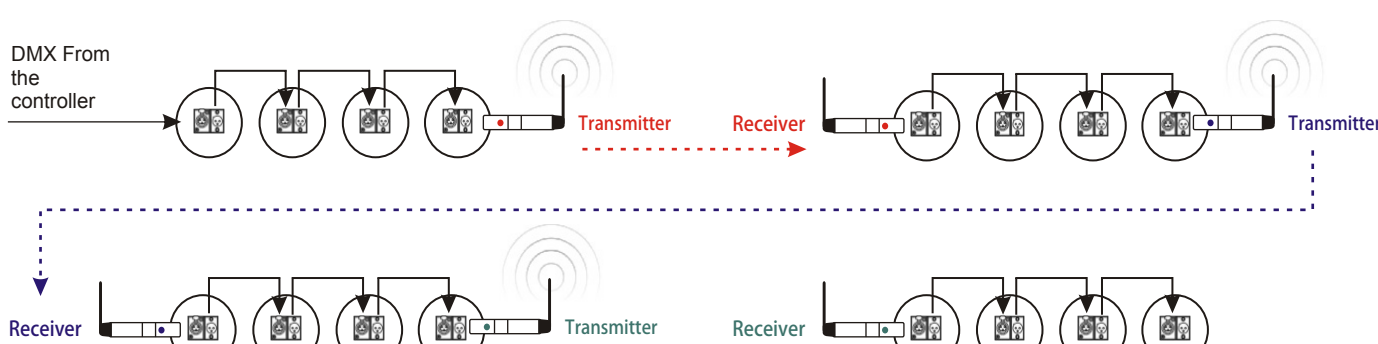
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MULTIPLE TRANSMITTER OPTIONS

The Donner 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.



Guarantee

1. 1 months upon date of purchase, if there is function problem, we should offer the same item subject to goods and packing maintain perfect.
2. 3 Years upon date of purchase, we will guarantee to keep the goods in repair. (not including fittings)
3. Guarantee service is subject to normally using.
4. **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.

Note: Keep this manual for guarantee to keep in repair.

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