PRODUCT MANUAL
Nano DMX Wireless System (Transmitter/Receiver)

Solid Apollo ™
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Product Description

Solid Apollo's Nano DMX wireless Transmitter/Receiver System is a state of the art wireless connection solution for DMX Lighting installations. Previously, any DMX enabled LED lighting fixture had to be wired with DMX cable in order to control it. This was a big issue for long distances between the control system and the lights. Now you can skip the cables and connect devices up to 300 ft. apart using our Nano DMX wireless system, with 2.4Ghz interference free technology.

This product includes a transmitter and receiver, each with its own 5V DC power supply. Installation is hassle free with the transmitter connecting directly to any DMX engine though its 3 Pin XLR connector. The receiver plugs directly to any DMX enabled light with 3 Pin XLR connector, and ready to go.

Solid Apollo's Nano DMX Wireless System has 7 different transmission modes, enabling you to use many units working independently of each other in the same environment without any interference between them.

Main Functions

• Control Your DMX Lighting Fixtures Wirelessly
• Adjust your lights at up to 300 Transmission
• Full control of 7 Different ID Groups
• Enjoy Uninterrupted Signal through 2.4Ghx

Technology

• Compatible with all DMX 512 Wallwashers and lighting fixtures
• Compact and Seamless Design

This Manual will review

• The entire Installation Process
• Product Features and Primary Uses
• Detailed Functionality
• Technical Parameters

The Nano DMX Wireless System Includes

Transmitter (Male XLR)

Receiver (Female XLR)

5V DC Transformer (x2)

Nano DMX System

Transmitter and Receiver Guide

Solid Apollo's Nano DMX wireless Transmitter/Receiver System consists of two main parts: The Male End Transmitter, and the Female End Receiver. In your Kit you will receive one of each, allowing you to control one set of lighting fixtures remotely from either a stand-alone DMX controller or from a DMX enabled PC. You can differentiate your Transmitter and Receiver by referencing the diagram below. You will be connecting your Transmitter (male) antenna to the source of the signal (a controller or DMX enabled PC) while your receiver will be connected to your DMX lighting fixture, such as a Wall Washer. Each needs to be powered by the included 5V DC transformers in order to function.

Selection Button

Indicator Light
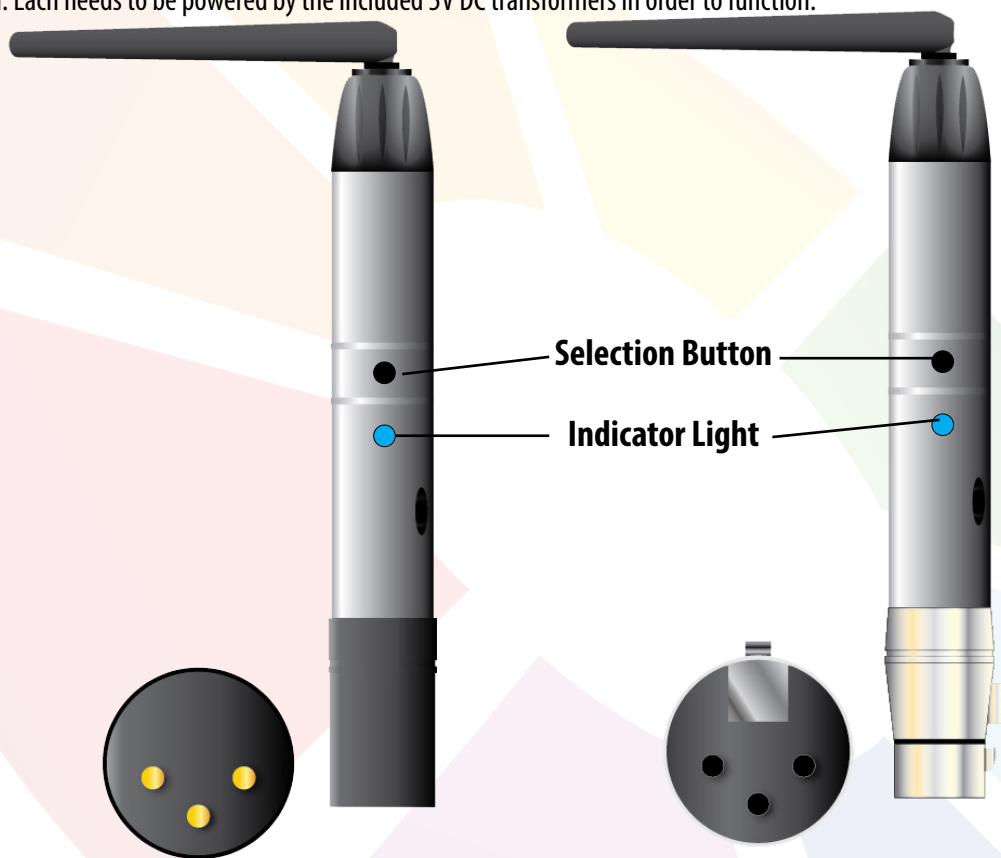
Male (Transmitter)
Connects to your DMX Controller to relay signals to reciever(s).

Female (Receiver)
Connects to your lighting fixture to create the colors you input at the controller.
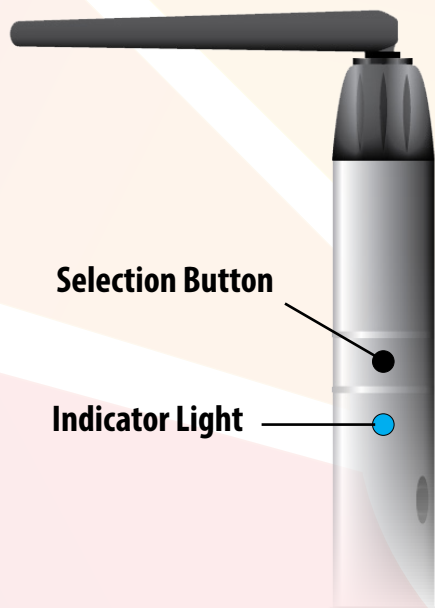
5V DC Transformer (x2)

Solid Apollo™
Where light meets perfection

Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com
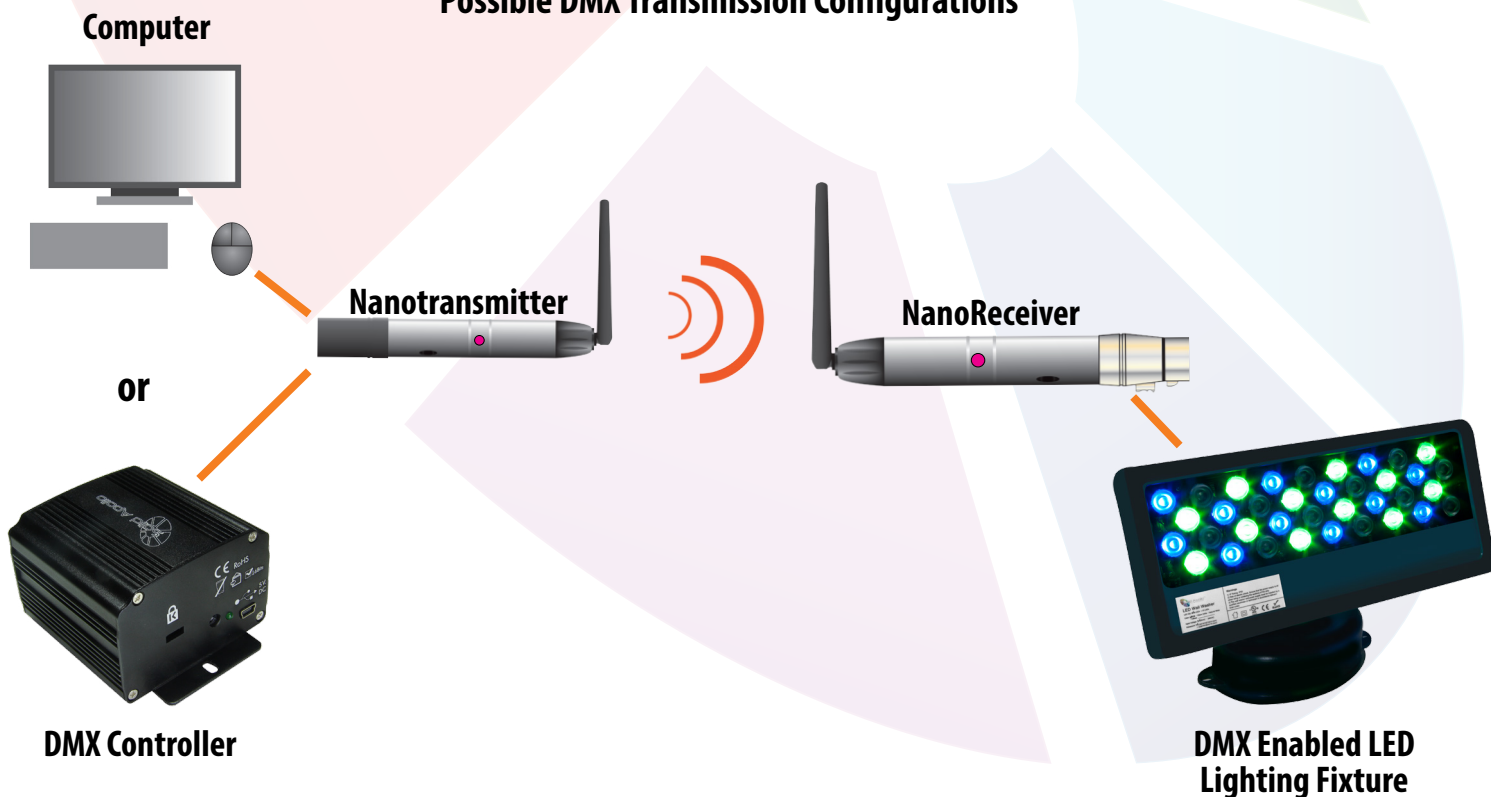
Nano DMX System

Installation Guide

This section will guide you through connecting and powering up your transmitter and receiver(s).

1. After properly connecting your DMX controller, attach the Transmitter (male) to your DMX controller, and attach the first 5V DC transformer to your Transmitter and the wall outlet.

2. Then attach your receiver to the LED light fixture you wish to control. Connect your second 5V DC transformer to the receiver and power it on.

3. The Indicator Lights on both your receiver and transmitter will be flashing (green and red respectively) showing both your transmitter and receiver indicating that your Nano DMX Wireless System has synchronized between the receiver and transmitter.

Note that you can connect your transmitter or receiver directly or via XLR cable to your LED lighting fixtures and controllers.

Selection Button

Indicator Light

Possible DMX Transmission Configurations

Computer

Nanotransmitter

NanoReceiver

or

DMX Controller

DMX Enabled LED Lighting Fixture

PRODUCT MANUAL
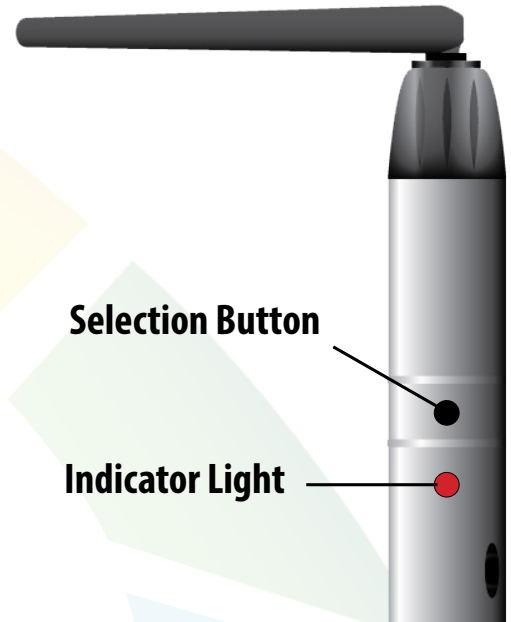## Nano DMX Wireless System (Transmitter/Receiver)

Synchronizing and Use

This section will guide you through using your transmitters and receivers to send DMX signals to your lighting fixtures. Your Nano DMX system allows you to send different programs to different sources, wirelessly, without interference.

1. After installing your Nano DMX Transmitter and Receiver, you can now begin to set different channels, and control your DMX-Enabled lighting fixtures.

2. First, power on your DMX-Enabled LED Lighting fixtures, as well as your DMX Controller. You will notice that your nanoreceiver will be displaying flashing green color on its Indication light. Your transmitter will also be by default displaying a flashing red color on the indication light.

3. This means all of your devices are on "Zone One" and that your nanotransmitter will be sending a signal to your receiver. (Note that even though your transmitter flashes red constantly to show it is transmitting a signal, you can check which zone it is on, but pressing the selection button once to view its "true" color)

4. By using multiple transmitters and receivers and connecting them together on the same colored channel, you can independently control lighting fixtures from different controllers/computers (see Figure 1).

Possible Zones

- 🔴 Zone 1 (Red)
- 🟢 Zone 2 (Green)
- 🟡 Zone 3 (Yellow)
- 🔵 Zone 4 (Blue)
- 🟣 Zone 5 (Purple)
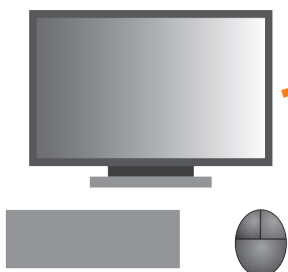- 🔵 Zone 6 (Cyan)
- ⚪ Zone 7 (White)

Selection Button

Indicator Light

Zone 1.

DMX 512 Controller — **Nanotransmitter**))) **Nanoreceiver** — DMX Enabled Lighting Fixture

Zone 2.

PC with DMX Software — **Nanotransmitter**))) **Nanoreceiver** — DMX Enabled Lighting Fixture

Figure 1.

Solid Apollo

Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Nano DMX System

Technical Information

- Max Transmission Distance: 300 feet (direct line-of-sight)
- Transmission Power: Max 20dB
- Transmission Frequency: 2.4Ghz ISM Band
- Max Channels: 7 Channel Groups with a total of 512 Channels
- Power: 5V DC, 5 Watt
- Connection: XLR 3-Pin Standard Cable/DMX I/01