antPIX Quickstart Guide

INTRODUCTION

Thank you for purchasing a NEXGEN antPIX. This guide will get you started using your antPIX.

The NEXGEN product you have just purchased is designed to give you the highest reliability and are fully compatible with other CRMX products in entertainment lighting. Through this, you can expand your wireless system with units from our other product lines as well as with those others who use CRMX technology. For the latest updates, please visit our website www.nexgenau.com

antPIX CONTROL PANEL

See the operation section for details on how to link and unlink antPIX units.

LED indicators

Power, DMX, Status, (See below)

Link button

press to link with, or unlink from, another unit.

Level indicators

Green 60%- 100%

Orange 20%-60%

Red no link or problem

DMX

DMX signal present

Status LED

See linking and mode section below



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POWER ON/OFF
The antPIX is auto powered on once plugged in.

LINKING
antPIX can be linked with any other LumenRadio CRMX product.

LINKING
Power on the antPIX.

Ensure that the Status LED indicators on all receivers are off to indicate that the receivers are ready to be linked.
(If necessary, follow the unlink procedure.)

On the transmitter, press and release the link button.

The transmitter will search for any unlinked receivers. Its Status LED indicator will flash for 10 seconds and normal operation will resume.

UNLINKING

Unlink one:
On the receiver, press and hold its link button for more than 3 seconds (until STATUS LED is lit) to unlink it from a transmitter. The Status LED indicator will turn off.

Unlink all:
On the transmitter, press and hold its link button for more than 3 seconds (until STATUS LED is lit) to unlink all of its receivers.

CONNECTORS

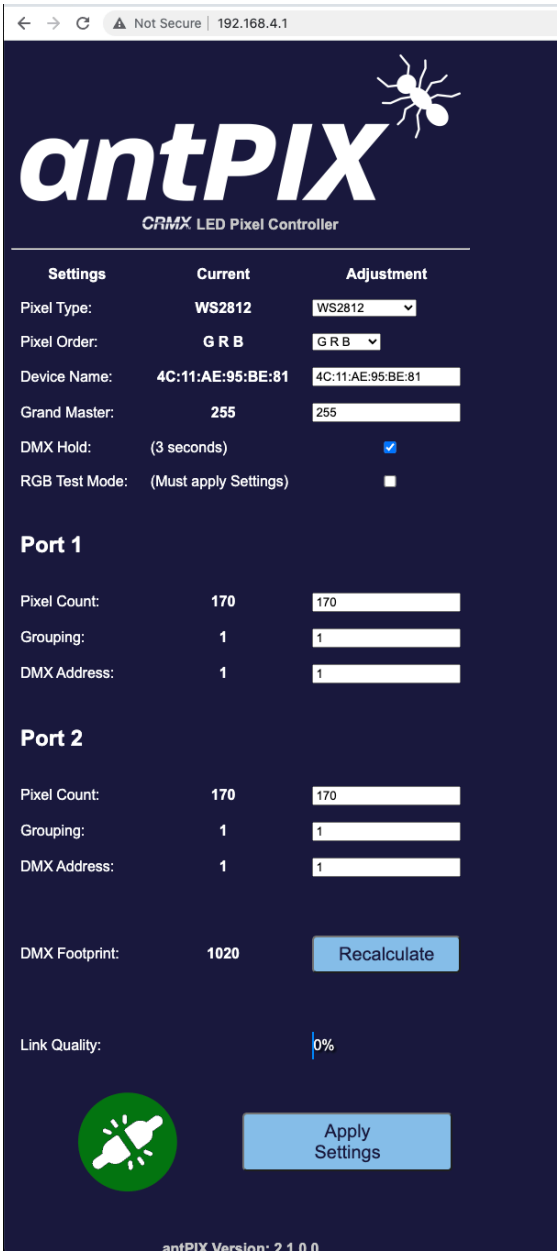
The antPIX uses Phoenix connectors for both power and pixels. Using a screwdriver push in the spring clamp then insert bare wire, once inserted remove screwdriver.

DMX output
The antPIX can also be used as a wireless DMX receiver by using the 3.5mm jack connector with the additional adaptor converts to a standard 5 pin XLR.

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WHERE TO BEGIN

Once you have connected the antPIX unit to power it will create its own WIFI access point. On your PC or Mobile device you sill see and access point labeled antPIX-4C:11:AE:95:BE:XX or something similar this is your unique serial number.
The WIFI Password is 12345678
Please note the WIFI will be shut off automatically if not connected to within 60 seconds
Once connected open your browser (Google Chrome preferred) and type 192.168.4.1 into the address bar.
From here you can select pixel type, order dmx start address etc.



Pixel Type
Type of pixel IC you are using.
Pixel Order
Order of LED colour RGB, GRB, RGBW etc.
Device Name
This by default is the serial number but can be changed.
Note: changing this will also change WIFI SSID.
Grand Master
Maximum level of LED output on both ports
DMX Hold
Will hold LED output on DMX signal loss
RGB Test Mode
Runs RGB Cycle test to test outputs

Pixel Ports
Pixel Count
Total number of pixels on the output
Grouping
Groups IC chips together to reduce number of DMX channels used
DMX Address
Start address of first pixel on output

Link Button
unlinks the antPIX from Transmitter

Apply Settings
Apply's any settings that have been changed

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FIRMWARE UPDATES

The firmware on the antFX can be updated over-the-air using WIFI using the “Firmware Update” page
For details about updates, please contact support.

TECHNICAL SPECIFICATIONS

RF CHARACTERISTICS

- Operational frequency range: 2402-2480 MHz
- Output power levels: 15mW, 40mW, 100mW

POWER

- Low voltage input: 5V DC
- DMX: via 3.5mm jack adaptor
- Antenna: 2dBi
- DC: Micro USB

SUPPORTED PROTOCOLS

- USITT DMX512,
- DMX512(1990) & DMX512-A
- Bluetooth 5.0
- Compatible with all CRMX products