PRO DSX
Connecting
Connecting to Wireless Access point for 172.31 subnet
For PRO DSX units with the 6.3.1 firmware suite
Date: 4-11-2017
System Diagram- Using Dedicated Wireless Access Point

Requirements:
1. Pre-configured Cisco SG300/500 switch
2. All devices need to be set to the **172.31** subnet
3. Dedicated Wireless Access Point
4. Controller (iPad)

**PRO DSX -TX** 172.31.2.x  
**PRO DSX -RX** 172.31.3.x

Cisco SG300/500

**Video LAN**  
LAN Address= **172.31.1.1**  
Subnet Mask = 255.255.0.0  
Gateway = **172.31.1.1**

Cisco WAP-121  
WAP LAN Address= **172.31.1.245**  
Subnet Mask = 255.255.0.0  
Gateway = **172.31.1.1**

Controller Device
1. Configuring the Cisco WAP 121

Set your IP V4 settings of the Ethernet Connection

IP address: 192.168.1. (3-253 range)
Subnet mask: 255.255.255.0
Default Gateway: 192.168.1.1

The Factory Default IP Address of the Ubiquiti Address is = 192.168.1.2
Do NOT set PC address 192.168.1.2
2. Wireless Access Point (WAP121) settings

Assign STATIC IP address to the WAP
WAP LAN Address= 172.31.1.245
Subnet Mask = 255.255.0.0
Gateway = 172.31.1.1
Choose “DO not Enable Single Point Setup”

Update the administrative password and record it below

Cisco WAP121 Administrative Password =
Update Network Name (SSID) and record it below:

**WAP121 SSID Name:**

Enter a name for your wireless network: $\text{SSID Name: }$

Update Wireless Network Security Password and record it below:

**WAP121 Wireless Security Password:**

Enter a security key with 6-63 characters: $\text{Wireless Security Password: }$
Connecting the PRO DSX to WAP and OWC

VLAN ID = 1

SUBMIT. Done.
3. Connect the WAP121 to the pre-programmed Cisco SG 300/500 Switch “Video Lan” (labeled by your supplier)

**Cisco SG300/500**

- **Video LAN**
  - LAN Address = 172.31.1.1
  - Subnet Mask = 255.255.0.0
  - Gateway = 172.31.1.1

- **Control LAN**

**Cisco WAP-121**

- **WAP LAN Address** = 172.31.1.245
  - Subnet Mask = 255.255.0.0
  - Gateway = 172.31.1.1
4. Connect your iPad to the WAP121 Wireless network
Set your controller device to Static mode.

For example for iPad, select the Wi-Fi and select Static

**IP Address:** choose 172.31.1.2 - 172.31.1.244. (each controller device need to have a unique ip address)

**Subnet Mask:** 255.255.0.0

**Gateway:** 172.31.1.1

**DNS:** 172.31.1.1. (iPad requires you type in DNS)
The PRO DSX features the Octava Web Controller (OWC) to easily switch devices.

Access the General Octava Web Controller (OWC) on the TX 01 by entering: **172.31.2.1/switch172**

**Note:**
1. Presets opens multiple devices and will require that you ENABLE “POP Ups” in the browser settings.
The PRO DSX- TX and RX has various features that can be enabled and modified by directly accessing the TX or RX web interface.
The static IP address of the PRO DSX –TX and RX are indicated as shown by the LED as shown in section 6.
Example:
PRO DSX –TX ip address are: 172.31.2.xx (user set)
PRO DSX –RX ip address are: 172.31.xx (user set)

Access PRO DSX-TX by entering: 172.31.2.xx
Refer to LED indicator.

Access PRO DSX-RX by entering: 172.31.3.xx
Refer to LED indicator.