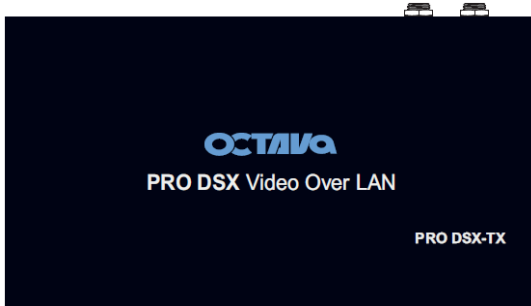# PRO DSX
Firmware Update

Revision: 1.1
Date 6-1-18

Transmitter and Receiver

PRO DSX –TX Transmitter

PRO DSX –RX Receiver

PRO DSX Video over LAN

ID and IP Indicator:

Subnet 172.31 indicator

RX ID indicator

+100 Indicator

RX ID Set Buttons

Subnet 172.31 indicator

+100 Indicator

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TX CH ID Set Buttons

TX CH ID indicator

A table showing the LED Indicators will help clarify

2

RX ID LED Indicator 169.254.x.x subnet

Each RX includes a LED ID indicator to easily identify the RX.
The RX ID represents RX ID and the last octet of the RX IP address.
PRO DSX_RX will have **ID in the range : 01-199**
PRO DSX_RX will have **IP address in the range : 169.254.3.xxx.**

RX LED Indicators indicating device has been set to **169.254.x.x** subnet is below

RX ID	Pro DSX RX ID LED	RX IP Address
RX001	01	169.254.3.1
RX002	02	169.254.3.2
RX099	99	169.254.3.99
RX100	00	169.254.3.100
RX101	01	169.254.3.101
RX199	99	169.254.3.199

RX ID LED Indicator 172.31.x.x subnet

Each RX includes a LED ID indicator to easily identify the RX.
The RX ID represents RX ID and the last octet of the RX IP address.
PRO DSX_RX will have ID in the range : 01-199
PRO DSX_RX will have IP address in the range : 172.31.3.xxx.

RX LED Indicators indicating device has been set to 172.31.x.x subnet is below

RX ID	RX ID LED	RX IP Address
RX001	01	172.31.3.1
RX002	02	172.31.3.2
RX099	99	172.31.3.99
RX100	00	172.31.3.100
RX101	01	172.31.3.101
RX199	99	172.31.3.199

TX ID LED Indicator

Each TX includes a LED ID indicator to easily identify the TX CH ID.
The TX ID represents the CH ID and last octet of the TX IP address.

PRO DSX-TX will have **IP address in the range : 169.254.2.xxx.**

TX CH ID	TX CH ID LED	TX IP Address
TX CH 01	01	169.254.2.1
TX CH 02	02	169.254.2.2
TX CH 99	99	169.254.2.99
TX CH 100	•00	169.254.2.100
TX CH 101	•01	169.254.2.101
TX CH 199	•99	169.254.2.199

TX ID LED Indicator 172.31.x.x subnet

Each TX includes a LED ID indicator to easily identify the TX.
The TX ID represents the CH ID and last octet of the TX IP address.

PRO DSX-TX will have **IP address in the range : 172.31.2.xxx.**

TX CH ID	TX CH ID LED	TX IP Address
TX CH 01	01	172.31.2.1
TX CH 02	02	172.31.2.2
TX CH 99	99	172.31.2.99
TX CH 100	00	172.31.2.100
TX CH 101	01	172.31.2.101
TX CH 199	99	172.31.2.199

RX Check List

Note the RX ID , IP address and the connected Display for future reference.

RX ID	RX IP	Display Name
RX 01		
RX 02		
RX 03		
RX 04		
RX 05		
RX 06		
RX 07		
RX 08		
RX 09		
RX 10		
RX 11		
RX 12		
RX 13		
RX 14		
RX 15		
RX 16		
RX 17		
RX 18		
RX 19		
RX 20		

TX Check List

Note the TX CH ID , IP address and the connected Display for future reference.

TX CH ID	TX IP	Video Source Name
TX 01		
TX 02		
TX 03		
TX 04		
TX 05		
TX 06		
TX 07		
TX 08		
TX 09		
TX 10		
TX 11		
TX 12		
TX 13		
TX 14		
TX 15		
TX 16		

1. Disconnect HDMI from <u>EACH</u> <u>PRO DSX-TX </u>Unit.

Disconnect the HDMI Cable from Transmitter to ensure there is no interruptions during Firmware update.

If you have 20 Transmitters. You must disconnect ALL 20 HDMI cables from each Transmitter

! Failure to disconnect HDMI cable from ALL TX will result in firmware update interruption and will make devices (Transmitters and Receivers) UN-USABLE!

HDMI Cable
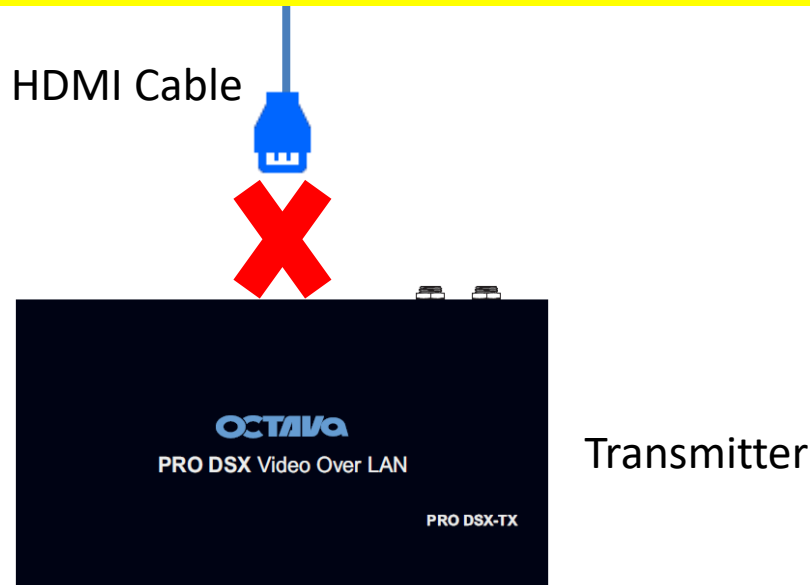
Transmitter

Confirm that you have disconnected ALL HDMI cables from EACH Transmitter Unit before proceeding.

2. Connect Computer directly to the Cisco SG network switch that the PRO DSX is connect to with a cable. (do not use wi-fi connection)

Using a network cable ensures that there will not be any interruptions during firmware update.

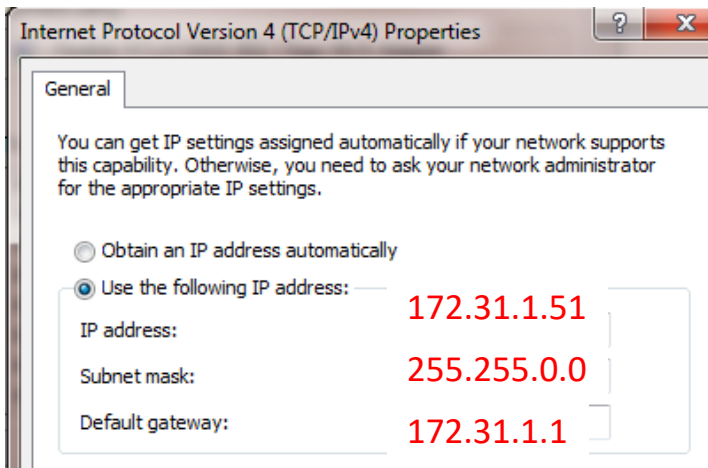Connect to the Cisco SG series switch port as indicated in the table below.

Cisco Model		
SG300-10	Port 9	
SG300-28	Port 27	
SG300-52	Port 51	
SG500-48	Port 47	

Ethernet Cable

PC
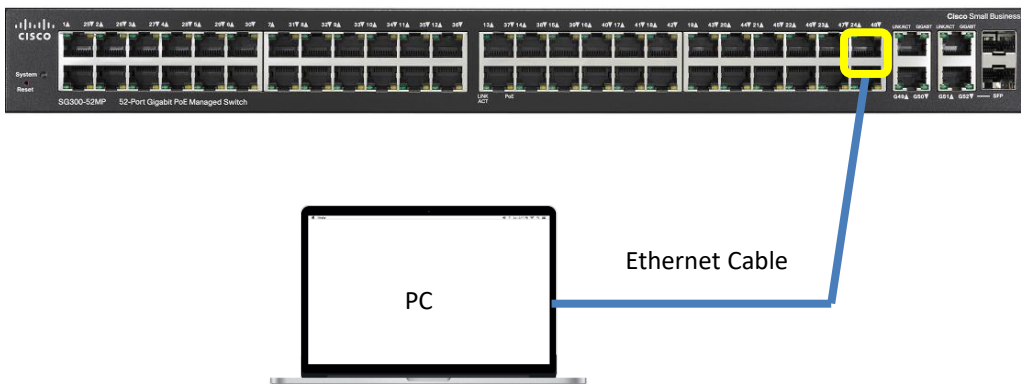
3. Change the PC LAN Network setting to the same subnet as the PRO DSX

Most cases, the PRO DSX has been set to the 172.31 subnet.
The settings for your PC for 172.31 subnet is shown below.

If you are not sure, please contact us.

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically
◉ Use the following IP address:

IP address: 172.31.1.51

Subnet mask: 255.255.0.0

Default gateway: 172.31.1.1

PC

4. Open a browser and Log into the PRO DSX-TX or RX you wish to update.

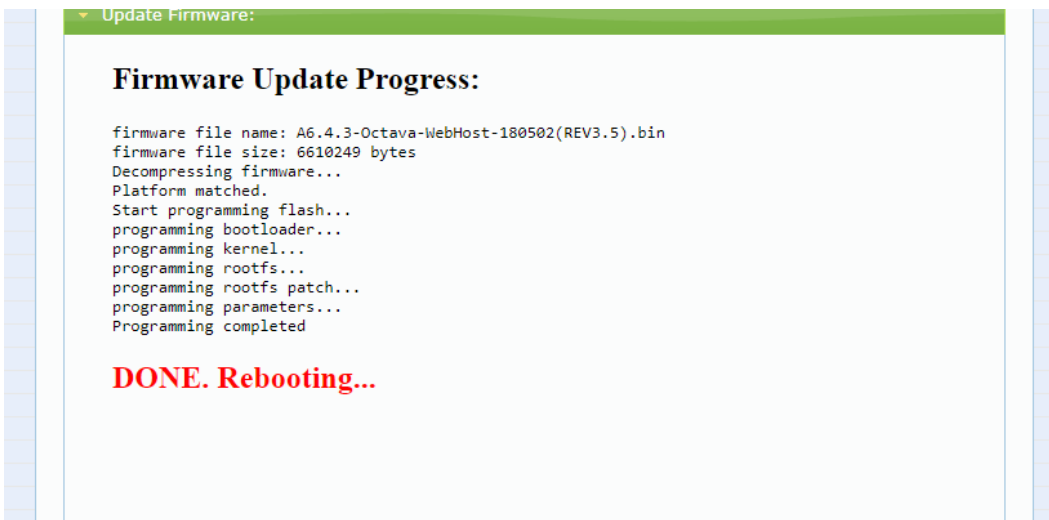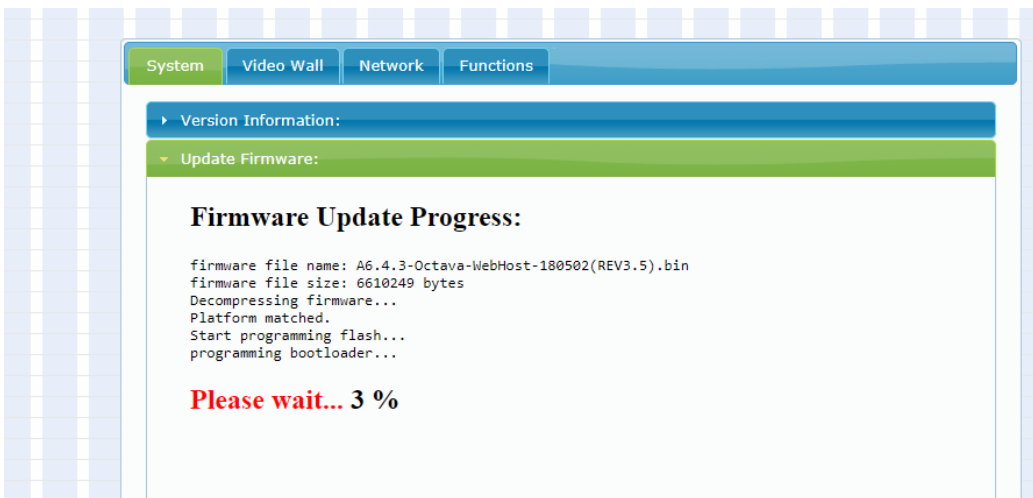If you are not sure, please contact us.

Firmware version

5. Select Update Firmware and Upload the appropriate .bin file
   If you are unsure of which file to load, please contact us.

DO NOT Interrupt the PC during update. If firmware update is interrupted, the device will fail and be UN-USABLE. (do not disconnect LAN Cable, close browser, etc…)
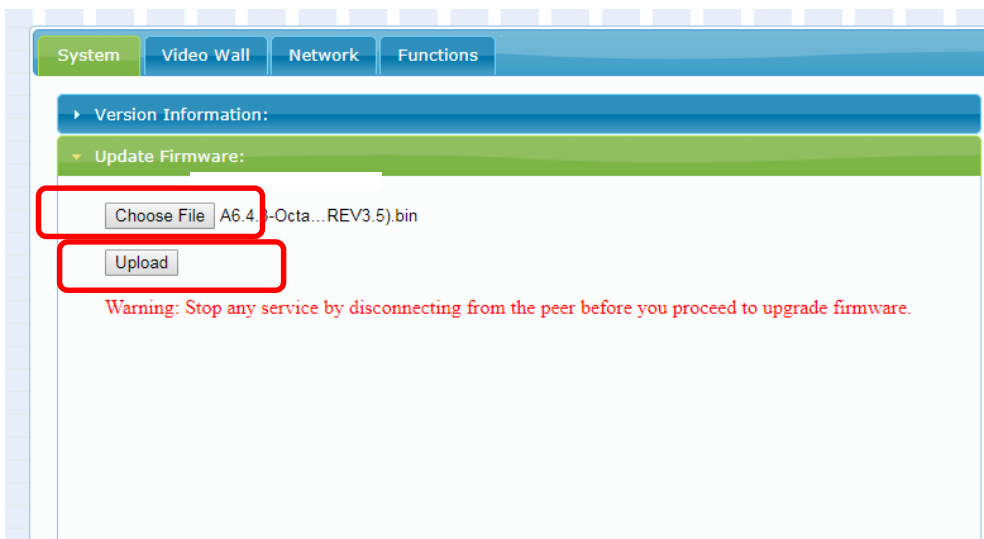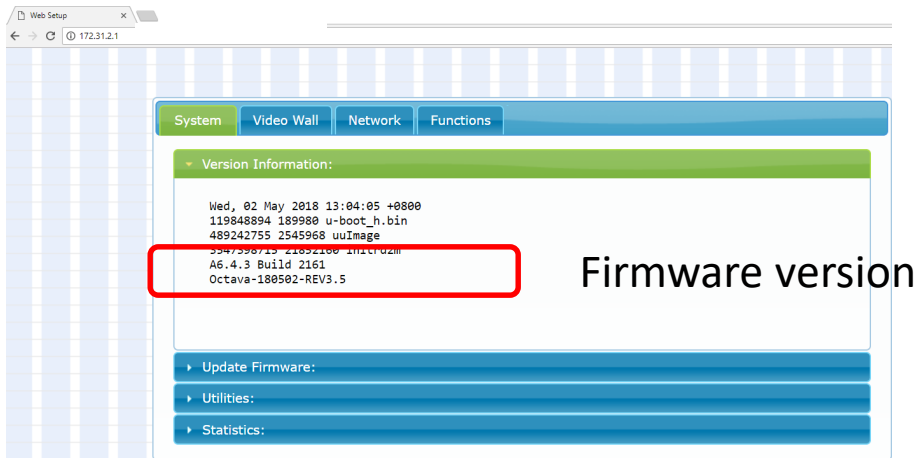
6. Wait for Firmware to update. It will take few minutes.

DO NOT Interrupt the PC during update. If firmware update is interrupted, the device will fail and be UN-USABLE. (do not disconnect LAN Cable, close browser, etc…)

Firmware Update Progress:

```
firmware file name: A6.4.3-Octava-WebHost-180502(REV3.5).bin
firmware file size: 6610249 bytes
Decompressing firmware...
Platform matched.
Start programming flash...
programming bootloader...
```

Please wait... 3 %

Firmware Update Progress:

```
firmware file name: A6.4.3-Octava-WebHost-180502(REV3.5).bin
firmware file size: 6610249 bytes
Decompressing firmware...
Platform matched.
Start programming flash...
programming bootloader...
programming kernel...
programming rootfs...
programming rootfs patch...
programming parameters...
Programming completed
```

DONE. Rebooting...

7. Update Each Transmitter and Receiver until all units are complete.

8. Once each Transmitter and Receiver has successfully updated, you are done. You can verify by reading the firmware version on each device.

Safety Information

Safety Information:

Electrical safety

- Use only the power supplies and the AC power cord that were included with your product.
- Use of other power supplies could damage the product or cause shock, or other hazards
- For Indoor Use only
- Avoid excessive humidity, or temperature extremes
- Do not place the product in any area where it may become wet.
- Unplug the power supplies and the AC power cord before cleaning, or removing any panels for servicing.
- When adding or removing devices to or from the product, disconnect all power cables from the existing product before you add a device.

Operation safety
- Install the product in a well ventilated location. Keep ventilation opening free of obstructions.
- Don't block any ventilation openings on the unit.
- Avoid dust, humidity, and temperature extremes.
- Do not place the product in any area where it may become wet.

Contact Information

Octava Inc.-7078 Peachtree Ind. Blvd
Suite 300
Norcross, Ga. 30071
Tel 770.825.0388

www.octavainc.com

Email: info@octavainc.com