

# ***QUICK START GUIDE***

## ***10G VIDEO OVER IP***

**Fiber Transceiver (Tx/Rx) - LBN-10GTRO**

**Fiber Encoder(Tx)- LBN-GTO**

**Fiber Decoder(Rx)- LBN-GRO**

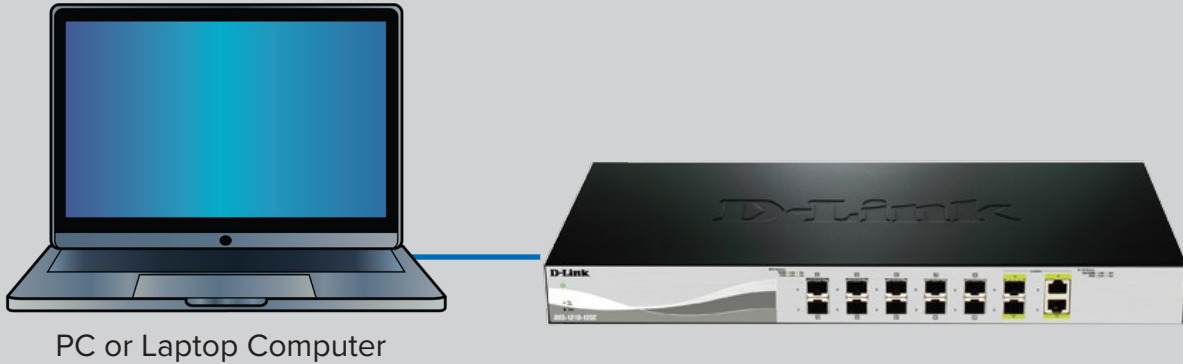
**Copper Transceiver (Tx/Rx) - LBN-10GTRC**



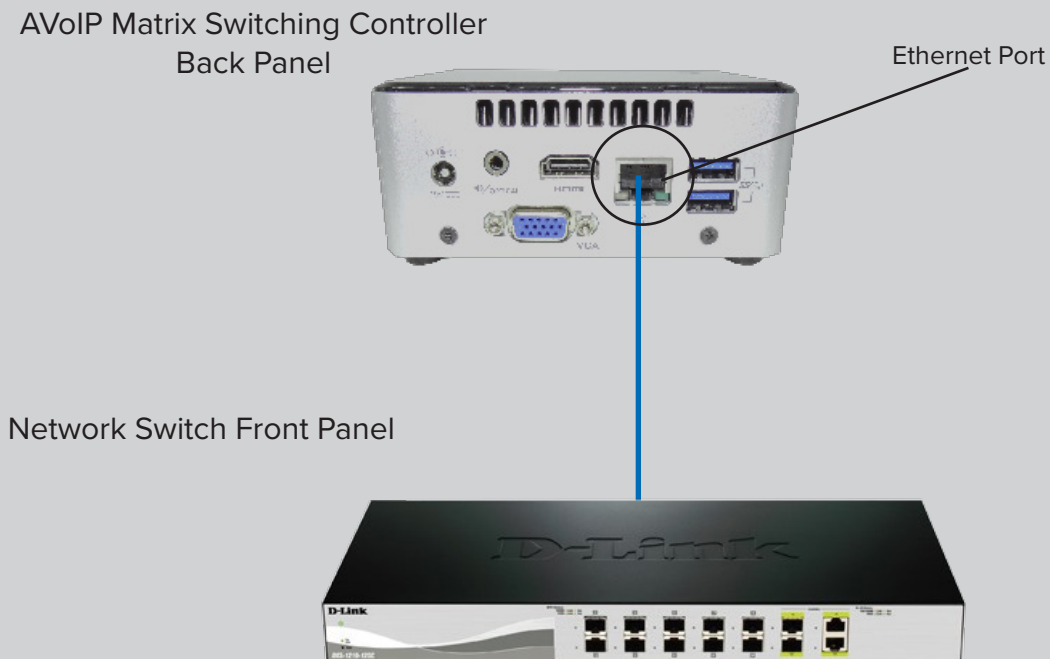
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## STEP 1: CONNECTING THE HARDWARE

- 1** Connect the Ethernet Port on the PC/Laptop Computer using a Category 5 (CAT5) Unshielded Twisted-Pair (UTP) cable to any available Ethernet Port on the Network Switch.



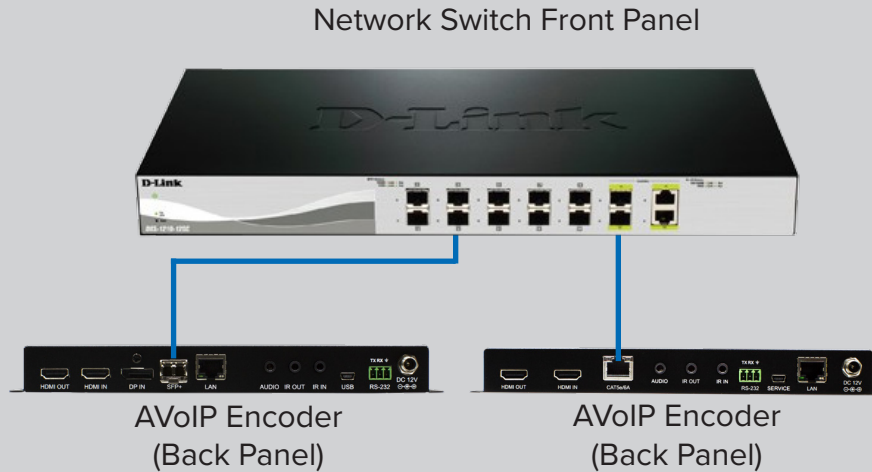
- 2** Connect the Ethernet Port on the AVoIP Controller to any available Ethernet Port on the Network Switch. Use a CAT5 UTP cable terminated with a RJ-45 connector to make the connection.



## STEP 1: CONNECTING THE HARDWARE

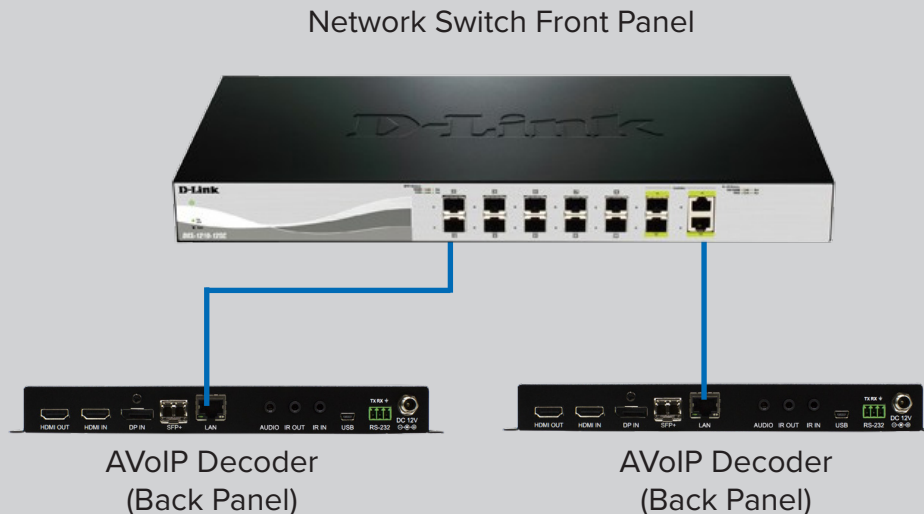
3

Connect each AVoIP Encoder to an RJ45 network port on the Switch front panel. Use Category 5 Unshielded Twisted-Pair (UTP) cable terminated with a RJ-45 connector to make these connections.



4

Connect each AVoIP Decoder to an RJ45 network port on the Switch front panel. Use Category 5 Unshielded Twisted-Pair (UTP) cable terminated with a RJ-45 connector to make these connections.



## STEP 2: POWERING UP THE DEVICES



**Power Over Ethernet (PoE) allows you to supply power to the AVoIP Encoders and Decoders via a PoE-enabled Network Switch, removing the need for additional power supplies at each location.**

**5**

**Connect the supplied AC Power Cord to the power on the back of the switch and the other end to a power source such as an electrical outlet or surge protector.**

Network Switch Back Panel



**6**

**Connect the supplied Power adapter to the 19V Power Port on the back of the AVoIP Matrix Switching Controller and the other end to a power source such as an electrical outlet or surge protector.**

AVoIP Matrix Switching Controller Back Panel



**Allow 1-2 minutes for the Switch and Controller to initialize to supply power to all connected devices.**

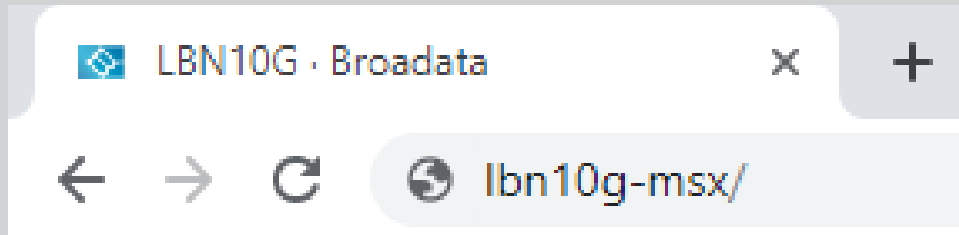
**7**

**You are now ready to connect Audio/Video Sources to the HDMI or VGA Connector on the Encoder and Monitors/Displays to the AVoIP Decoder.**

## STEP 3: ACCESSING AND CONFIGURING THE SYSTEM

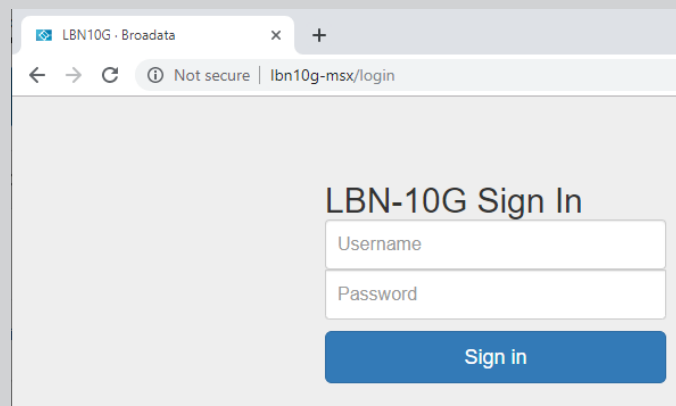
8

Open a web browser and enter the URL <http://lbn10g-msx> to access the WebGUI



9

The following AVoIP Controller Login Window Appear:



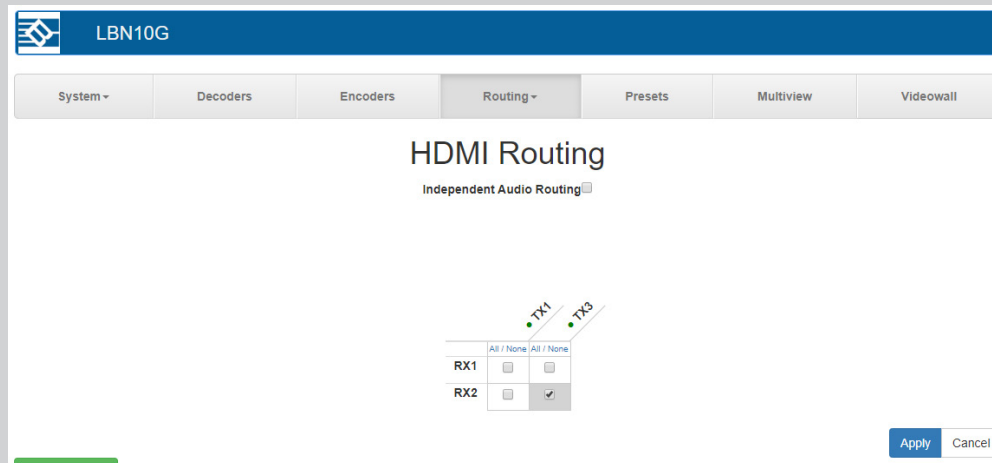
**Enter the User Name and Password as provided:**


Default User Name: ***admin***

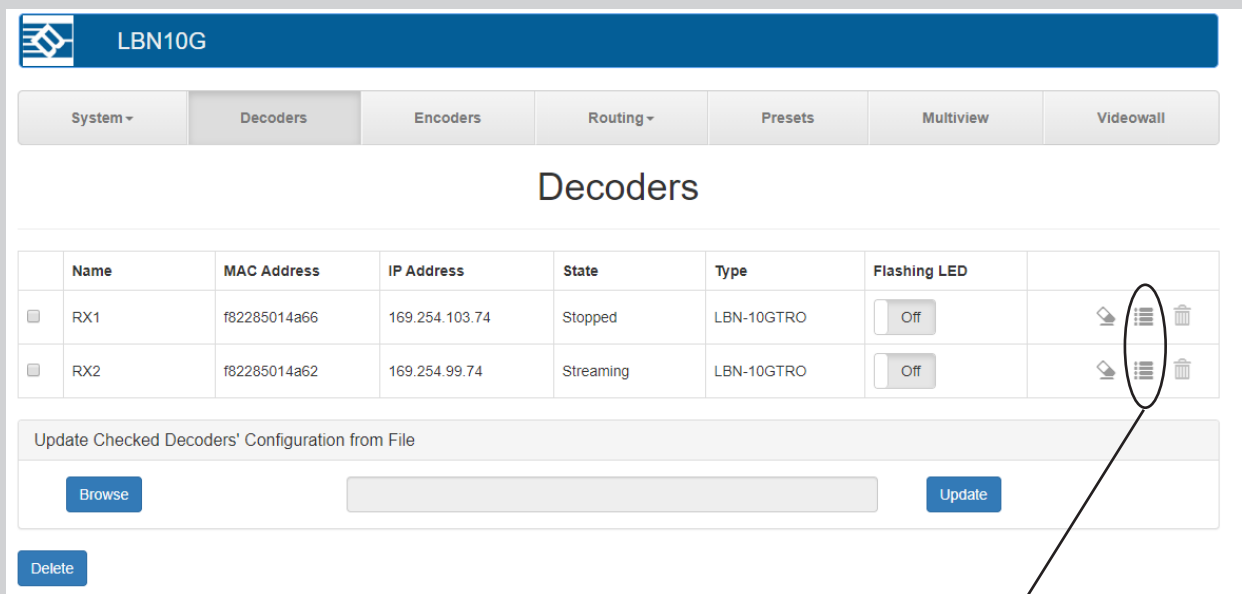
Default Password: ***admin***

## STEP 3: ACCESSING AND CONFIGURING THE SYSTEM

- 10** The Routing Page will appear and displays all AVoIP Encoders and Decoders that have been added to the Network



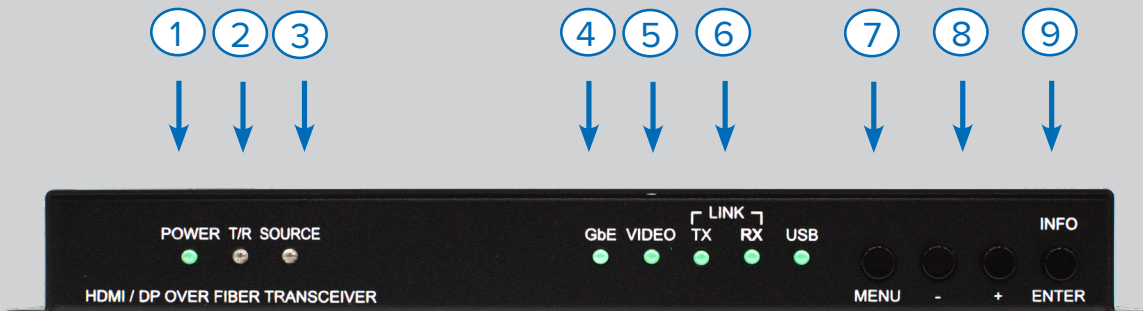
- 11** Click on the tabs and you are now ready to configure the networked devices. Select the  icon for each Encoder(Tx) and Decoder(Rx) to edit settings.



Icon



## OPERATION CONTROL AND FUNCTIONS



- ① **Power LED:** Illuminated Green when the unit is on and receiving power
- ② **T/R LED:** Illuminates Orange when Transceiver is in Decoder Mode (Rx)  
Illuminates Green when Transceiver is in Encoder Mode (Tx)
- ③ **Source LED:** Illuminates Green when HDMI input is selected and live.  
Illuminates Orange when DisplayPort input is selected and live.  
When the unit is in Receiver mode, and streaming is active, this LED will remain off
- ④ **GbE LED:** Illuminates and blinks to indicate a live and active connection on the Gigabit Ethernet Port
- ⑤ **Video LED:** Illuminates when there is live active video streaming from the optical fiber port.
- ⑥ **Link LEDs:** Tx and Rx Link LED illuminates and blinks to indicate data transmission and reception activity across the optical fiber streaming connection
- ⑦ **Menu Button:** Press to enter the OSD menu or to back out from the menu items
- ⑧ **-/+ Button:** Press to move up or down within the OSD menu. When not in menu mode, press manually to switch between inputs
- ⑨ **Info/Enter Button:** When inside an OSD menu, press to confirm a selection within the OSD or to go deeper into a menu item. When not in a menu, press to activate the information OSD



BROADATA COMMUNICATIONS, INC.  
2545 WEST 237TH STREET  
TORRANCE, CA 90505  
800.214.0222

[www.broadatacom.com](http://www.broadatacom.com)