

# Quick start guide: AWS Elemental Link HD

## Configure AWS Elemental Link for DHCP



Before you begin, read the AWS Elemental Link Safety Manual: <http://amzn.to/LinkSafetyManual>. You can find troubleshooting help for Link devices here: <https://aws.amazon.com/medialive/features/link-troubleshoot/>.

1. Orient device with two inches of air gap on top and one inch on the sides, when not using fans. Fan use is required if air gap is not possible. Not following these instructions might cause heat damage and could void your warranty.
2. Connect the power supply. Lock the connector by turning clockwise until tight.
3. Connect an Ethernet cable with internet connectivity and connect an SDI or HDMI cable with active video.\*
4. Allow about one minute for the device to power on and connect to AWS. The LED lights should appear as follows:
  - Online LED – blue: This indicates a connection to the internet.
  - AWS Link LED – blue: This indicates a connection to AWS.
  - Streaming LED – purple: This indicates valid input video.
5. To confirm the device is available in MediaLive:
  1. Open the AWS Elemental MediaLive Console at <https://console.aws.amazon.com/medialive/>.
  2. In the navigation pane, choose **Devices** to display your Link devices.
  3. Locate the **Device ID** in the console that matches the **ID** printed on the bottom of your Link.
6. In the MediaLive console, create an input using this device as its source:
  1. In the navigation pane, choose **Inputs**.
  2. On the **Inputs** page, choose **Create input**.
  3. For **Input type**, choose **Elemental Link**.
  4. In the **Input devices** section, choose the applicable **Input class** and choose the device you just set up. Select **Create**.

You are now ready to use this input in a channel. When you start or stop a channel that includes a device input, the channel automatically starts and stops the device. You never need to work directly with the physical device.

\* Make sure router ports 123, 443, and 2088 are open for outbound connections. Most commercial routers enable this by default.

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## Configure AWS Elemental Link with a static IP

1. Orient device with two inches of air gap on top and one inch on the sides, when not using fans. Fan use is required if air gap is not possible. Not following these instructions might cause heat damage and could void your warranty.
2. Connect the power supply. Lock the connector by turning clockwise until tight.
3. Connect an SDI or HDMI cable with active video.
4. Allow about one minute for the device to power on. The red lights on the Online LED and the AWS Link LED indicate that there is no connection to AWS Elemental MediaLive. This is expected.
5. Press and hold the black button on the front of the device for 10 seconds. When the LED lights flash twice, release the button. The device has now switched to a default static IP address.\*\*
6. Make a note of the **default static IP address**, the **admin username**, and **admin password** located on a sticker on the bottom of the device.
7. Use an Ethernet cable to connect the device directly to your computer. Your computer must be configured with an IP address on the same subnet as the static IP address of the device.
8. From your computer, use a web browser to navigate to the static IP address. Be sure to use https (not http). At the prompts, log in with the credentials noted in step 6.
9. On the network configuration page; enter the **static IP address** that you want to use along with the appropriate **subnet mask**, **gateway**, and **DNS** (optional).
10. Using the left navigation pane, select **Change Password**. Update the **admin username** and **admin password**. We recommend using a strong password.
11. Disconnect the device from your computer. Connect the device to an Ethernet cable with internet connectivity.\*\*\*
12. Allow about one minute for the device to connect to AWS. The LED lights should appear as follows:
  - a. Online LED – blue: This indicates a connection to the internet.
  - b. AWS Link LED – blue: This indicates a connection to AWS.
  - c. Streaming LED – purple: This indicates valid input video.
13. To confirm the device is available in MediaLive:
  - a. Open the AWS Elemental MediaLive Console at <https://console.aws.amazon.com/medialive/>.
  - b. In the navigation pane, choose **Devices** to display your Link devices.
  - c. Locate the **Device ID** in the console that matches the **ID** printed on the bottom of your Link.

14. In the MediaLive console, create an input using this device as its source:
  - a. In the navigation pane, choose **Inputs**.
  - b. On the **Inputs** page, choose **Create input**.
  - c. For **Input type**, choose **Elemental Link**.
  - d. In the **Input devices** section, choose the applicable **Input class** and choose the device you just set up. Select **Create**.

You are now ready to use this input in a channel. When you start or stop a channel that includes a device input, the channel automatically starts and stops the device. You never need to work directly with the physical device.

\*\* To change the device from a static IP address back to DHCP, press and hold the black button on the front of the device for five seconds. When the LEDs flash once, release the button. Unplug the power supply and plug it back in to reboot the device. The device is now set to DHCP.

\*\*\* Make sure router ports 123, 443, and 2088 are open for outbound connections. Most commercial routers enable this by default.

You can find more information about Link features at:

<https://aws.amazon.com/medialive/features/link/>

Help for Link devices is provided by AWS Support:

<https://console.aws.amazon.com/support/home/>