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Streaming Guide (Amazon)

Pearl-2
Pearl Mini

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Set up streaming to Amazon servers using RTMP push

The Pearl family of all-in-one video switchers, recorders, and streamers are flexible and easy to setup. Use the Admin panel on Pearl-2 and Pearl Mini to configure streaming to Amazon servers using a simple RTMP push. Real Time Messaging Protocol (RTMP) is the most common way to stream to a CDN like Amazon.

You need to get the stream destination server URL from Amazon. The format of the URL looks like this:

rtmp://<ipaddress>:<port_number>/<stream_name>

For example:

rtmp://10.1.100.234:1935/223598530690668248-1

After you get the stream destination URL from Amazon, you need to separate the URL into two parts. Each part is entered into separate fields in the Admin panel when you set up the RTMP push on Pearl:

Part 1 is *rtmp://<ipaddress>:<port_number>/*

For example, rtmp://10.1.100.234:1935/

Part 2 is *<stream_name>*

For example, 223598530690668248-1

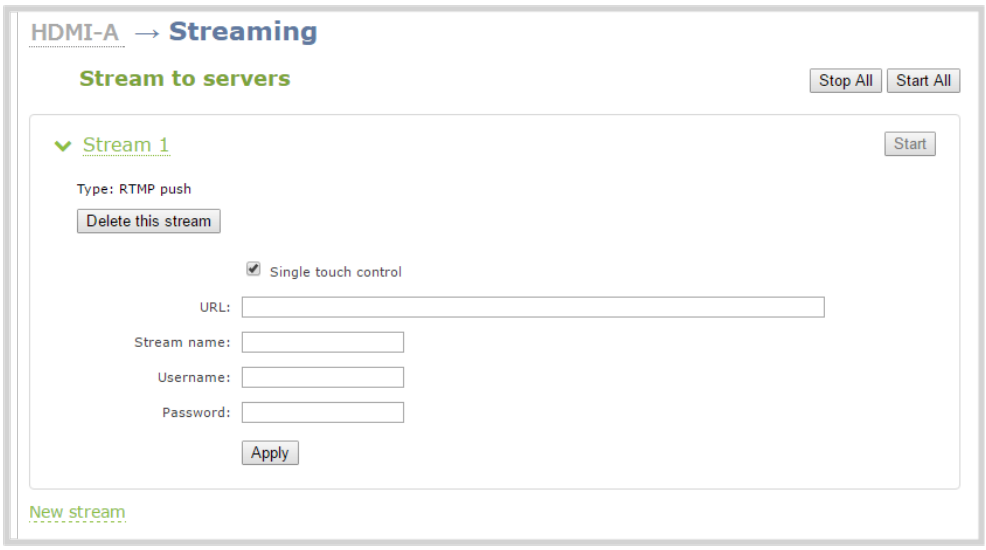
If you're streaming to a secondary backup server, simply create two RTMP streams: one stream for the primary URL destination and a second stream for the secondary URL destination. You'll need to get the URLs for both the primary and secondary stream destinations from Amazon.

Before you begin:

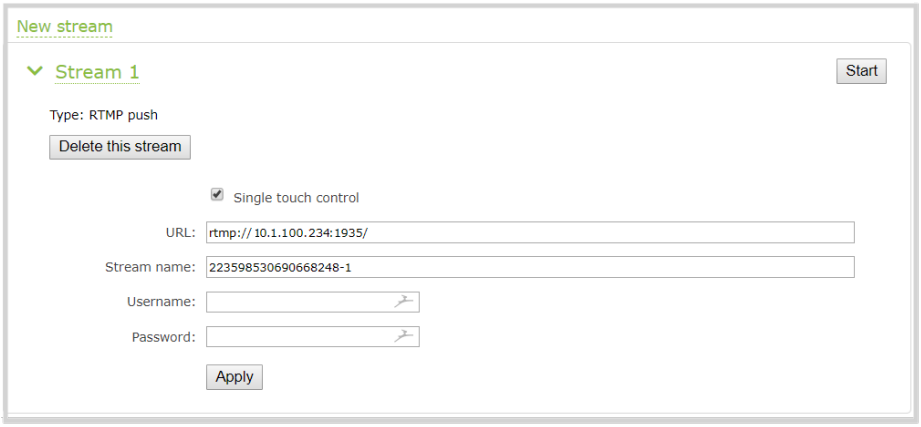
- Make sure you have the stream destination URL from Amazon.
- You should already have Pearl connected to your network, connected your video and audio inputs, and configured at least one channel that you plan to stream. For details, see the online user guides for Pearl-2 and Pearl Mini.

To setup streaming to Amazon servers using RTMP:

3. Login to the Admin panel as admin, see Connect to the Admin panel.
4. From the Channels menu, select a channel and click **Streaming**. The Streaming configuration page opens.
5. Click **New stream** and choose **RTMP push**. The new stream is created using the default name *Stream 1*.



6. Click the stream name to see the stream settings.
7. (Optional) Uncheck **Single touch control** if you don't want this stream to be started and stopped using One Touch streaming and recording control. This is enabled by default.
8. Enter **Part 1** of the URL in to the **URL** field and Part 2 of the URL in to the Stream name field.



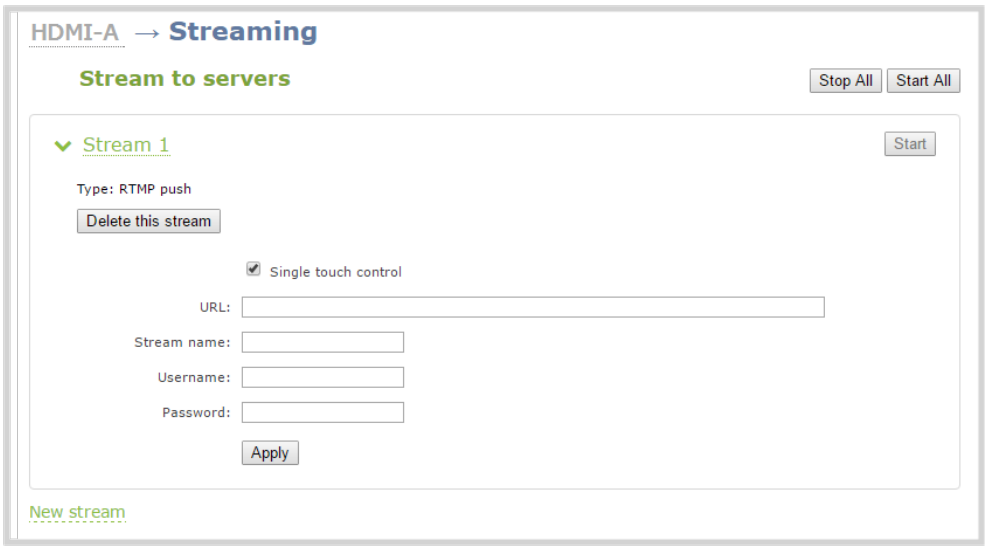
9. (Optional) Rename the stream. Click the current name and enter a different name, then press **Enter**.
10. Click **Apply**.
11. To start streaming, click **Start** or click **Start all** to simultaneously start this stream and any other streams you have configured for this channel.
12. Click **Delete this stream** at any time to delete the stream.

Start and stop streaming to a CDN

After your RTMP stream is configured, you can start and stop streaming using the Admin panel, the touch screen, or Epiphan Live.

To start and stop streaming using the Admin panel:

13. Login to the Admin panel as admin, see Connect to the Admin panel.
14. From the Channels menu, select a channel and click **Streaming**. The Streaming configuration page opens.



To set up a stream using the Admin panel, click **New stream** and follow the instructions for how to **Stream to a CDN**.

15. Click **Start** at the top right corner to start that stream, or click **Start all** at the top of the page to start streaming all streams that are configured for that channel.
16. Click **Stop** at the top right corner to stop that stream, or click **Stop all** at the top of the page to stop streaming for all streams that are configured for that channel.

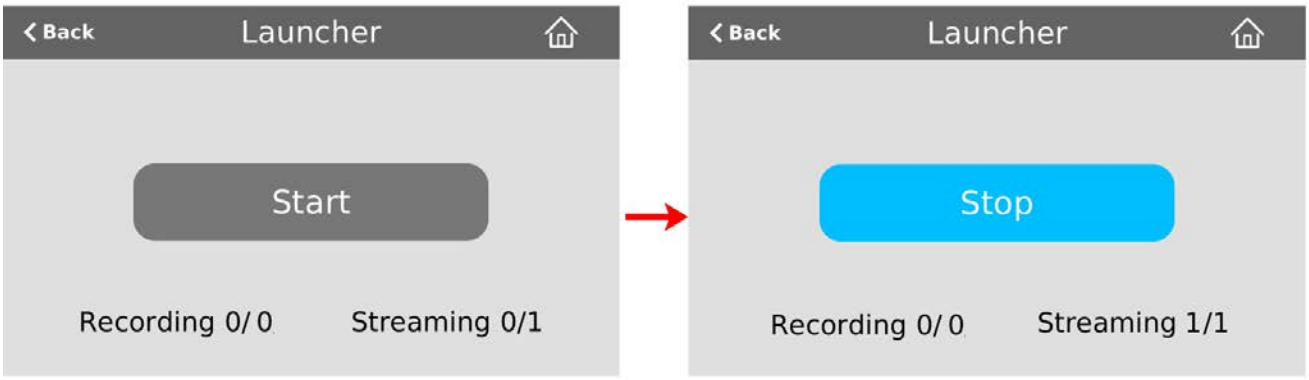
You can tell if your channel is streaming from the touch screen on Pearl when you look at the channel view or the Grid view. The following shows an example Grid view. The streaming LED on the front panel of Pearl Mini is solid on when streaming is in progress.

- A blue dot in the top right corner means the channel is currently streaming.
- A yellow dot with an exclamation mark means a problem with streaming occurred that requires attention.

For details to start and stop streaming using the touch screen, see Stream a channel using the touch screen.

For details to start and stop streaming using Epiphan Live, see Control streaming and recording using Epiphan Live.

If you have multiple streams set up and want to start and stop them all at the same time, you can use the One Touch streaming feature. To learn how to use One Touch to control recording and streaming to multiple destinations at the same time, see About One Touch streaming and recording.



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