

Streaming Live Video Content to Ustream using the QVidium QVENC Encoder

1. Go to <http://www.ustream.com> and create an account or log into an existing account.

2. Go to the URL: <https://ustream.zendesk.com/entries/21124298-How-to-create-a-channel> and follow the steps to creating your channel.

3. Go to the URL:

<https://ustream.zendesk.com/entries/59562580-Broadcasting-to-Ustream-from-an-Elemental-Live-Encoder>

and get the channel URL and encoder settings from the "Broadcast Settings" menu item on the left side of your Channel Page.

Here is an example screen shot for a stream we created called **QVidium Test**:

The screenshot shows the Ustream web interface. At the top, there is a navigation bar with the Ustream logo, 'EXPLORE', 'PRODUCT', and a search bar. A 'Go live!' button is visible in the top right. Below the navigation bar is a green banner announcing 'The new Ustream Producer has arrived.' The main content area is titled 'Encoder settings' for the channel 'qvidium1'. On the left, a sidebar menu lists various channel management options, with 'Broadcast settings' highlighted. The 'Encoder settings' page includes a 'Manual Entry' section with fields for 'RTMP URL' (rtmp://1.17493528.fme.ustream.tv/ustreamV/i) and 'Stream Key' (qEpijHGDxraAFCJNNe5PGzBBUYrw8bVx). There is also a section for 'Flash Media Encoder XML file' with a 'Download the Flash Media Encoder XML file for this channel' link. At the bottom, there is a section for 'Streaming to Ustream from 3rd Party Encoders' with a link to 'Detailed encoding specs and recommendations for high quality streams'.

4. On the QVENC, make certain that you have installed the Evostream software from:

<http://www.qvidium.com/qvpro/EvoStream/>

Download and install **evostream-13.pkg** and then refresh your web browser cache if you do not see the EMS (Evostream Media Server) menu on your QVENC web interface.

5. Make certain that you have a valid DNS server configured under Network/LAN1 settings.

6. Make certain that your EMS has a valid license. (Look at the EMS/License page on your QVENC).

7. In your QVENC Encoder Profile (Encode/Profile), under IP Transport, select RTMP. Under **URI**, enter the **RTMP URL** from the UStream **Broadcast Settings** page. Under **Stream Name**, enter the **Stream Key** from the UStream **Broadcast Settings** page.

Here is an example from our test channel:

Qvidium System Name: QVenc Encoder

Encoder Profile

[Press here for Help](#)

Profile Name: Evostream Server

Basic | **Advanced Encoding** | **Advanced Networking**

Output

Device: Network

Encoding

Video Input	SDI
Stream Bit Rate	4000000
Video Encoding	H264
Audio Bit Rate	160000
Audio Encoding	MPEG2 AAC
Audio Sampling Rate	48000

Network

IP Transport	RTMP
URI [1]	rtmp://1.17493528.fme.ustream.tv/ustreamVideo/17493528
Stream Name [1]	qrEpiHGDxraAfCJNNe5PGzBBUYrw8bVx
ARQ Port	10000

[1] URI and Stream Name are optional

Save Cancel

Note: It is best to upload your video stream as a *progressive* video feed rather than *interlaced*. To make certain that the QVENC converts your video to Progressive, go to the **Advanced Encoding** profile tab and under the **D1/Half/CIF/VGA Progressive Output** setting, select **Yes**.

Under the **Advanced Encoding** page, you can also scale an HD input to SD resolution (or lower) by setting **D1** (or lower) as the **H264 Video Resolution** setting.