Stream to Amino A130 and A125 with Wowza Streaming Engine
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This article provides high-level instructions on how to stream from a Wowza Streaming Engine™ media server to an Amino set-top box. These instructions were tested using Amino A130 and A125 set-top boxes and should work with most Amino models. You should start with a basic configuration and build on your success.

**Note:** Wowza Streaming Engine™ 4.0 or later is required.

**Configuration**

1. Install the Amino **STBremoteconf** tool. (See Amino documentation for details.)

   This tool enables an easy way to send remote commands to the Amino set-top box. Verified that the tool was installed properly by using the **GETVERSION** command to get the current set-top box version.

2. Using your favorite encoder, send an H.264/AAC stream to Wowza Streaming Engine. For this example, we'll assume that the stream name is **myStream** and the RTSP URL to reach the stream is:

   `rtsp://[wowza-ip-address]:1935/live/myStream`

   Where `[wowza-ip-address]` is the Wowza Streaming Engine server's IP address.

   See [Set up live streaming using an RTSP/RTP-based encoder in Wowza Streaming Engine](#) for detailed instructions. To be sure that you have all of the correct TCP and UDP ports open, you may want to use the VideoLAN VLC player to test RTSP/RTP output before you try to stream to the Amino set-top box.

**Note:** For the A125 set-top box, we added the following properties to the `<RTP>/>` container element of `[install-dir]/conf/[application]/Application.xml:`
Stream using RTSP/RTP

Use the `STBremoteconf` tool to send the `CHANGEPAGE` command to the set-top box and set the page URL to:

```text
rtsp://[wowza-ip-address]:1935/live/myStream
```

You can try the following test URL:

```text
rtsp://184.72.239.149/vodts/mp4:sample.mp4
```

Stream using MPEG-TS direct

1. Send a stream to the Amino using an MPEG-TS Stream Target. See [Use MPEG-TS to distribute live streams from Wowza Streaming Engine](#).

2. For multicast, configure the stream with the following settings:
   - `profile`: mpegts
   - `streamName`: myStream
   - `host`: 239.1.1.1
   - `port`: 11111
   - `rtpWrap`: false

3. To play the stream, use the `STBremoteconf` tool to send the `CHANGEPAGE` command and set the page URL to:

```text
igmp://239.1.1.1:11111
```

This will also work for unicast. Set the `host` setting to the Amino set-top box IP address ([`amino-ip-address`]) and use the `CHANGEPAGE` URL:

```text
udp://[amino-ip-address]:11111
```
Notes:

- When behind NAT (network address translation), RTP NAT traversal doesn’t work. Configure your router to send all UDP ports to the Amino set-top box IP address.
- The Amino A12x models have a very small playback buffer, which can make it difficult to maintain a glitch-free stream.