

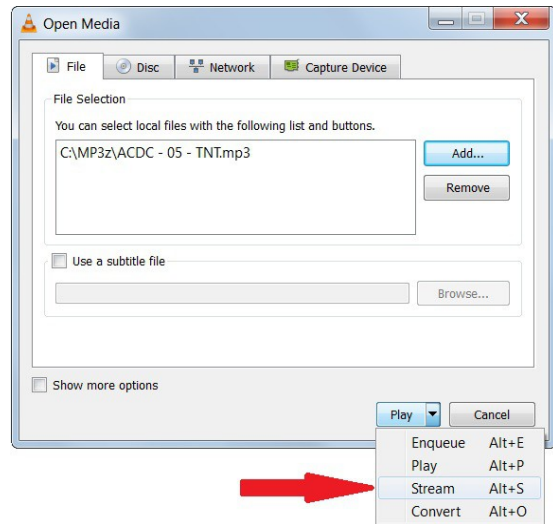
How to use the VLC Media Player with the Barix devices

The VLC Media Player can be used to stream audio from the PC to the Barix Exstreamers or Barix Annunicoms. But it can also listen to Barix encoders, like the Barix Instreamer and the Barix Annunicom. It is a freeware software and can be downloaded from <http://www.videolan.org>. This document is referring to the current available VLC Media Player version 2.2.0

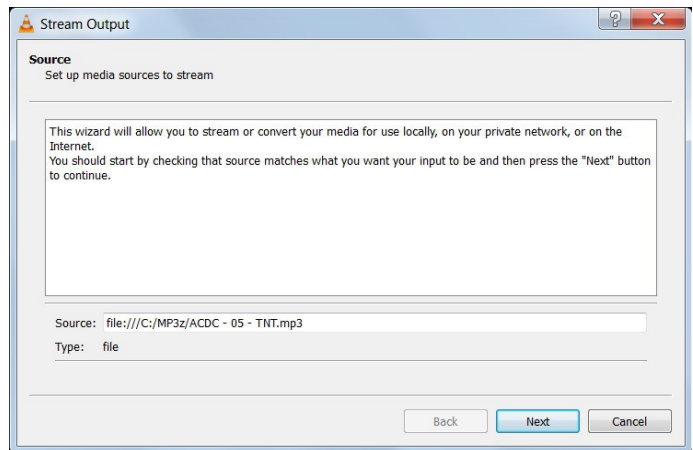
Streaming a file/playlist to Barix decoder

To send a MP3 RTP stream from the VLC to a Barix Exstreamer execute the following steps:

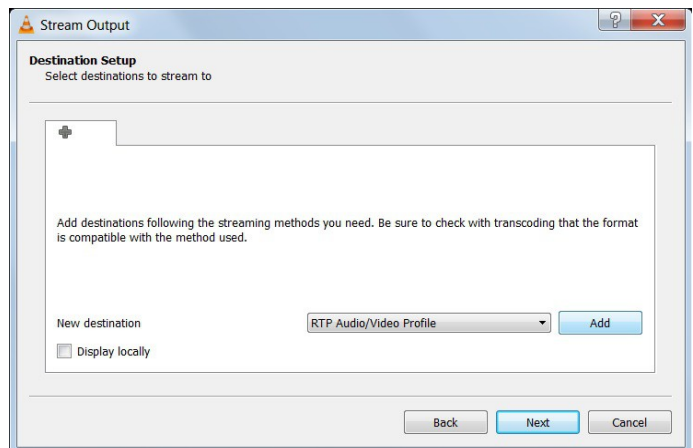
- first open VLC
- select from VLC main menu :
MEDIA – Open (advanced) ...
- there select your audio files (MP3) or your playlist file (m3u)
- select “Stream” from the “Play” button menu



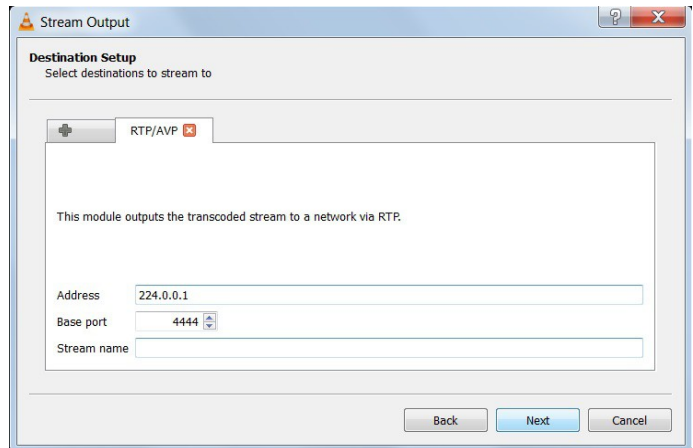
A new window opens, click on “Next”.



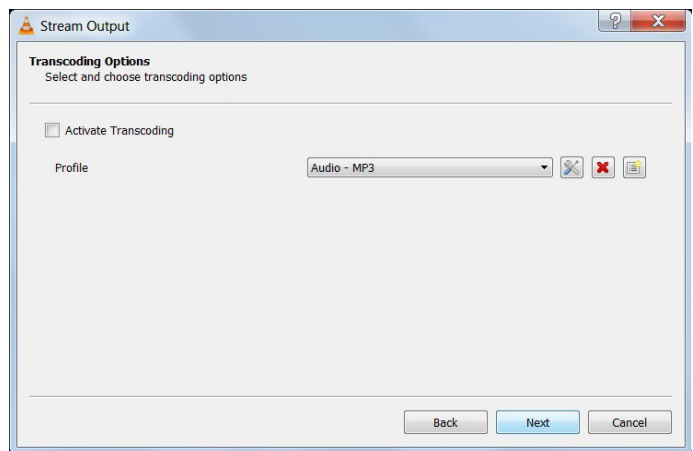
On next screen “RTP Audio/Video Profile” and click on “Add”.



As next define target IP-address and target port number then click "Next".

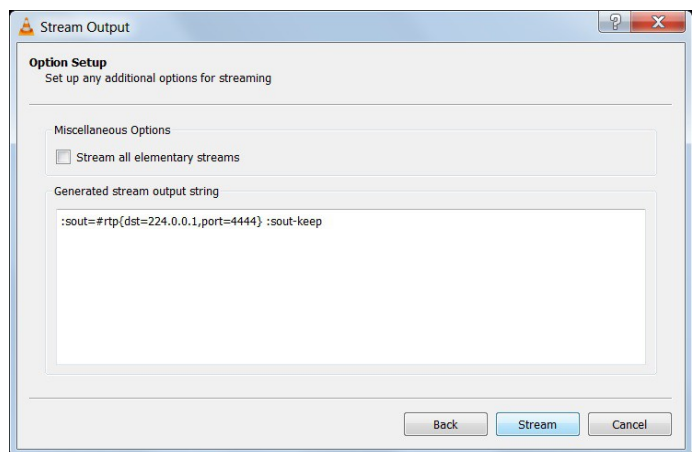


On next screen set the target format "Audio-MP3". "Transcoding" is mostly not needed and can be deactivated then click "Next".



As last comes the Summary/Option setup screen showing the command line for the before selected options, click on "Stream" to start the streaming.

Such stream can be received e.g. from the "Barix Streaming Client" firmware, the "Any to All" firmware or the STL firmware.



Option command for RAW UDP Streaming e.g. to Annunicom

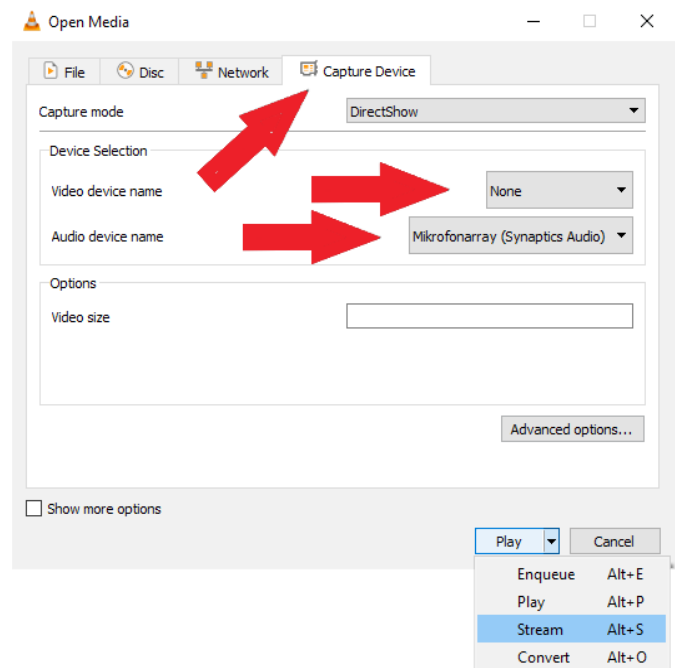
:sout=#duplicate{dst=std{access=udp,mux=raw,dst=224.0.0.1:3030}}
(String is for the Option Setup screen, see picture above, generates a RAW UDP multicast stream to port 3030)

The target port number and/or target IP address at the end of the string is changable!
Thereafter click on "Stream".
When your Annunicom is properly configured then it should play now.

Streaming live audio from PC-microphone to Barix

To send a MP3 RTP stream from the VLC to a Barix Exstreamer execute the following steps:

- first open VLC
- select from VLC main menu :
MEDIA – Open Capture device ...
- there select “Video device name: none” and
as “Audio device name” select your PC
microphone
- select “Stream” from the “Play” button menu
- when the new “Stream Output” window opens
then follow the steps as mentioned above for
the streaming audio files

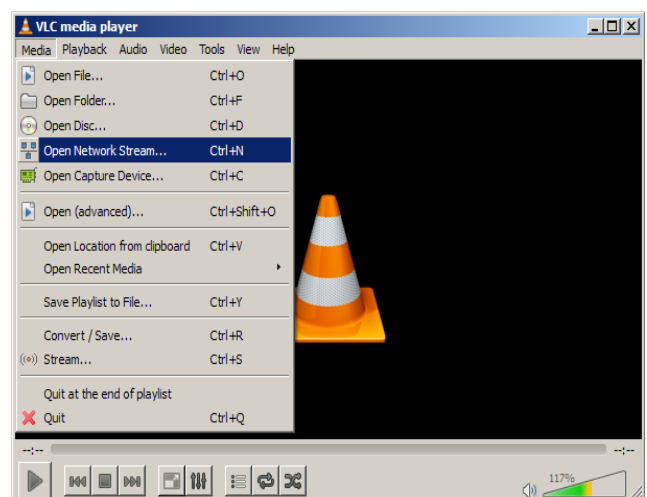


Listening an audio stream from Barix encoder

The VLC media player also can listen an audio stream from the Barix encoder devices like the Instreamer or the Annunicom. Two modes/protocols are for that available, HTTP or RTP.

To listen a stream with VLC Media player click on „Media“ and select „Open Network Stream“.
A new window will be opened.

In this new „Open Media“ window the network URL must be defined (under tab „Network“).



For **HTTP** define in the network URL the URL of the Instreamer Internet Radio stream.

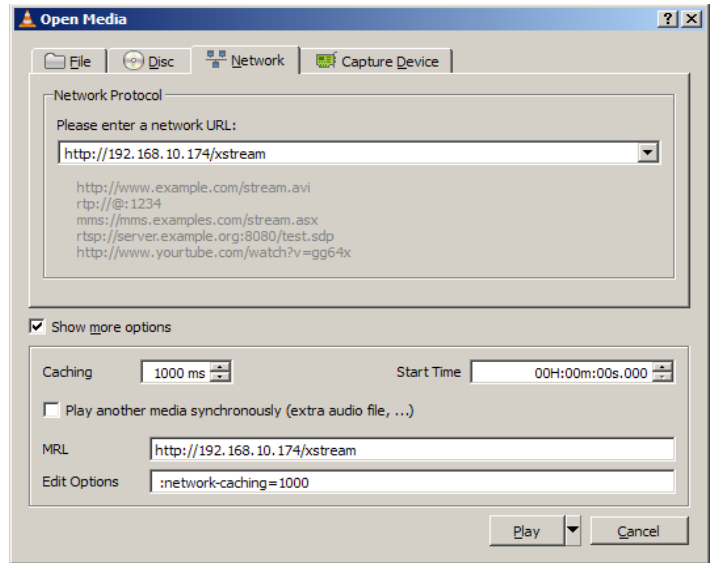
There you have to define the protocol, the Instreamer - IP address and the path for the audio (per default „/xstream“), e.g:

http://192.168.10.174/xstream

When in the Instreamer setup a port number different than 0 or 80 is defined for the Internet Radio then the port number must be additional defined in the URL e.g.:

http://192.168.10.174:8888/xstream

The HTTP mode works only with MP3 codec.



For **RTP** define in the network URL the protocol and a listen port number, this must be the same port number the Instreamer uses for streaming (see URL in right picture). The Instreamer supports different codecs (MP3, PCM, G.711) and sampling rates, not all are supported in VLC media player, but the following were working in VLC version 2.06:

- MP3 in all frequencies/bitrates*
- G.711 in 8 kHz mono*
- PCM 44.1 kHz mono big endian*
- PCM 44.1 kHz stereo big endian*

The lowest latencies can be reached in this mode with PCM codec, there below 100 ms (in VLC setting „Caching“) are possible.

For **RAW UDP** streams configure „udp://@:3030“ (e.g. for listen port number 3030)

