

Release Note

1 Streaming Client V3.08

Firmware name:	Streaming Client V3.08		
Released:	10th January 2013		
Package name:	streaming_client_kit_v0308_20130110.zip		
Version overview:	Type	File name	Version Date
	Firmware	stream.rom	V03.08_20130110
	WEB UI	streamapp.cob	V04.14_20120921
	FW Ext. 1	sg.bin	V09.25_20130110
	FW Ext. 2	fs.bin	V02.06_20110322
	FW Ext. 3	bclio.bin	V01.23_20120329
	Bootloader	unifull.spb	V99.26_20120223

2 Hardware Compatibility

This firmware is intended to run on the following devices:

- Exstreamer 100, 105, 110, 120, 200, 205, 500, 1000
- Exstreamer P5
- IPAM 100, 101, 102, 200, 300

Note: The firmware can run on any other Barix audio devices (e.g. Annunicom, Exstreamer Digital), however the functionality is not guaranteed.

AAC+ decoding is available only on IPAM 300 based hardware (Exstreamer 100, 105, 110, 120, 200 and 205 labelled “AAC+ capable”).

Please note that the Remote Firmware Update feature is supported only on devices with 2MB of Flash memory.

3 New Features

The following features have been implemented in the Streaming Client v3.08 (compared to version 3.05):

- #53.72: AAC-RTP decoding of AAC/ADTS format with payload type 126

4 Bugs Fixed In This Version

The following errors have been fixed in the Streaming Client v3.08 (compared to version 3.05):

- #066.20: DHCP not renewed after lease expired in certain environment (Cisco server) due to wrong DHCPREQUEST message

5 Known Limitations

5.1 Contact closures in RTP

I/O over RTP (contact closures sent by the Instreamer) are not 100% in sync with audio, the audio buffer is not respected

5.2 Volume Source Control

The Volume Source Control panel (VSC) uses a serial polling protocol to transfer data between the Barix unit and the VSC. This protocol causes additional load, which on some devices may cause audio dropouts while playing very high bitrate audio.

6 Major Modifications

6.1 AAC over RTP

The RTP decoder is now able to play AAC and AAC+ audio formats. Please note the following details to properly set up your encoder to be compatible with Barix devices:

- payload type is 126
- the AAC must be encapsulated in ADTS format; raw is not supported
- plain AAC, PS (parametric stereo) and SBR (spectral band replication) are supported

7 References

	Document
[1]	Streaming Client Technical Documentation V3.08
[2]	Streaming Client WEB Page
[3]	Streaming Client Update Kit V3.08

8 Legal Information

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Barix AG
Seefeldstrasse 303
8008 Zürich
SWITZERLAND

T +41 43 433 22 11
F +41 44 274 28 49

www.barix.com
sales@barix.com
support@barix.com