

Release Note

Streaming Client V3.13

Firmware name:	Streaming Client V3.13	
Released:	8th April 2014	
Package name:	streaming_client_kit_v0313_20140408	
Version overview:	File name	Version Date
	stream.rom	V03.13_20140408
	streamapp.cob	V04.16_20131213
	sg.bin	V10.03_20140211
	fs.bin	V02.07_20121212
	bdio.bin	V02.00_20140214
	rupdate.bin	V01.00_20131213
	unifull.spb	V99.26_20120223

1 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, 102, 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").

Notes:

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

2 New Features

The following new features have been introduced in the Streaming Client V3.13 (since version 3.12):

- #53.92, #65.25: support for IPAM 300 revision 1.5
- added support for new VSC model 95A03-1
- VSC autodetection mechanism

3 Bugs Fixed In This Version

The following bugs have been fixed in the Streaming Client V3.13 (since version 3.12):

- #066.23: fixed bug IGMP Response sometimes sent after 1.8 hours
- #067.16: fixed race condition in Multicast JoinGroup
- #100.65: fixed bug UDP handles not released if changing channels on RTP; only max 16 channels worked

4 Known Issues

4.1 Contact closures in RTP

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

4.2 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.

5 Major Modifications

5.1 New VSC Support

The HAI Volume Source Control panel provided by Barix has been replaced by a newer version (with 4 buttons instead of a rotary knob). This version of Streaming Client now supports both the new and the old VSC panel with automatic detection. The new VSC panel has an 8 character text display rather than just 2 digits, which provides a more interactive user interface. Streaming Client displays the current song name and more information on the new VSC (similar information to Exstreamer 110).

6 References

	Document
[1]	Streaming Client Technical Documentation V3.13

7 Legal Information

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