



Release Note

Streaming Client V2.28

Firmware name:	Streaming Client V2.28		
Released:	23th November 2011		
Package name:	streaming_client_kit_v0228_20111124.zip		
Version overview:	Type	File name	Version Date
	Firmware	stream.rom	V02.28_20111124
	WEB UI	streamapp.cob	V04.12_20111122
	FW Ext. 1	sg.bin	V08.23_20111024
	FW Ext. 2	fs.bin	V02.06_20110322
	FW Ext. 3	bclio.bin	V01.19_20110606
	Bootloader	unifull.spb	V99.24_20111118

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I 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, 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”).

2 New Features

The following features have been implemented in the Streaming Client v2.28 (compared to version 2.24):

- #100.11: runtime volume control on priority port
- #100.20: network settings protect in factory defaults if package is loaded on a device with incompatible Setup version. DHCP name is protected with other network settings in factory defaults via web or command.

3 Bugs Fixed In This Version

The following bugs have been fixed in the Streaming Client v2.28 (compared to version 2.24):

- #053.45: aliasing problem on I2S/SPDIF output (Exstreamer 200/205)
- #68.22: improved reliability to enter Bootloader from WEB UI
- #100.15: wrong initial MP3 RTP buffer calculation causing extra duplicate/glitch
- #100.24: endless countdown on update page if FW update disabled

4 Known Limitations

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

4.1 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 Priority volume control

In version 2.28 the priority port volume can be configured in two modes:

- fixed volume (as before)
- same as the streaming volume (new)

The new configuration “Priority Volume Control” field is in Advanced Settings → Priority. When “streaming volume” is selected (new feature), the volume can be controlled by the volume commands as in normal stream.

6 References

	Document
[1]	Streaming Client Technical Documentation V02.28
[2]	Streaming Client WEB Page
[3]	Streaming Client Update Kit V02.28

7 Legal Information

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