

Release Note

Streaming Client V3.12

Firmware name:	Streaming Client V3.12	
Released:	13th December 2013	
Package name:	streaming_client_kit_v0312_20131213	
Version overview:	File name	Version Date
	stream.rom	V03.12_20131213
	streamapp.cob	V04.16_20131213
	sg.bin	V10.01_20131008
	fs.bin	V02.07_20121212
	bdio.bin	V01.24_20130226
	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 V3.12 (since version 3.11):

- #100.38: configurable fade-in period
- #100.53: PLS playlist support
- remote content update mechanism

3 Bugs Fixed In This Version

The following bugs have been fixed in the Streaming Client V3.12 (since version 3.11):

- #63.35: fixed memory corruption in pad_dos_filename
- #66.22: TCP connection fails if source port is same as in previous connection

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 Remote Content Update

The remote update mechanism has been extended to allow also content update of the USB or microSD card. The Streaming Client can now download music files and playlists stored on an HTTP server and store them into a configurable directory.

The content update and firmware update are now in a separate module called Updater. If a content or firmware update are scheduled the unit reboots to start the Updater module and after the update completes it returns to the main Streaming Client application.

The progress of the update process is output to Syslog.

For more details and examples how to configure the content update see the Technical Documentation [1].

6 References

	Document
[1]	Streaming Client Technical Documentation V3.12

7 Legal Information

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