

BARIX

RELEASE NOTE

Streaming Client version 3.17

Firmware name:	Streaming Client v3.17		
Released:	18 th January 2018		
Package name:	streaming_client_v0317_20180118.zip		
Version overview:	Type	File Name	Version/Date
	Firmware	stream.rom	VB3.17_20180118
	WEB UI	streamapp.cob	V04.16_20160108
	FW Ext. 1	sg.bin	V10.18_20171019
	FW Ext. 2	fs.bin	V02.08_20140820
	FW Ext. 3	bclio.bin	V02.06_20151026
	Update mod.	rupdate.bin	V01.01_20141124
	Bootloader	unifull.spb	V99.28_20160624

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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, IPAM 302 and IPAM 102 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.

2 Bugs Fixed In This Version

The following bugs have been fixed in the Streaming Client v3.17 since the last officially released version v3.15.

- #SONG-1: Corrupted audio encoding 16 and 32 KHz
- #SONG-122: Problem updating VLSI 1063 chip to 10.17
- #SC-282: XSS vulnerability
- #SC-288: Command interface crash

3 Known Bugs/Restrictions

3.1 Remote content update

The remote content update feature is only working the first time after reboot, not periodically. The remote configuration update is not affected by this limitation.

3.2 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.

3.3 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. For example, using PCM at 48kHz 16bit stereo big endian, the audio might be corrupted if VSC support is enabled.

3.4 Command interface

As a result of the XSS Vulnerability fix introduced in version 3.17, when using the command interface (e.g. L=status) the "/" is reported with its ASCII decimal value "/"
e.g. http://www.barimon.net/

4 References

	Document
[1]	Streaming Client Technical Documentation 3.17

5 Legal Information

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