



Release Note

Streaming Client V2.12b

Firmware name:	Streaming Client V2.12b		
Released:	3. Mar. 2010		
Package name:	streaming_client_updatekit_v0212_b_20100303		
Version overview:	Type	File name	Version Date
	Firmware	stream.rom	V02.12_20090922
	WEB UI	streamapp.cob	V03.03_20
	SonicIP	sonicip.cob	V01.04_20070625
	FW Ext. 1	sg.bin	V07.03_20090814
	FW Ext. 2	fs.bin	VA2.05_20100113
	FW Ext. 3	bclo.bin	V01.07_20090911
	Bootloader	unifull.spb	V99.13_20090327

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I Hardware Compatibility

This firmware is intended to run on the following devices:

- Exstreamer 100, 110, 200, 1000
- 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, 110 and 200 labeled “AAC+ capable”).

2 New Features

The following new features have been implemented in the Streaming Client v2.12 (compared to version 2.10):

- #052.19: implemented Barimon alarms in case of a stream loss
- #067.01: send IGMP report if no router exist to manage IGMP groups. This will allow IGMP snooping switches not to stop IGMP traffic.
- #052.48: new image of the remote control on the WEB UI
- FAT32 file system support

3 Bugs Fixed In This Version

- #052.37: remote update: if compound.bin is out of memory, update reports a failure instead of a partial update
- #066.04: more efficient TCP packet reordering
- #035.08: fixed typo in "playback" help
- #052.38: wrong info on the display when switching from shoutcast to USB backup
- #052.46: no SNMP traps were sent at all
- #052.45: serial settings could not be changed
- #063.11: device does not start up if the USB stick is read-only and USB Autoplay is on

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
- #052.52: commands in `update.txt` (remote update) cause permanent message “Updating...” on the display

5 Major Modifications

5.1 Streaming

The default stream check period has been changed from 10-180 seconds to 1-30 seconds.

5.2 Setup

The Setup version has changed from 1.1 to 1.2 because of the new parameter “Maximum Volume”. This change affects you only if you have a custom setup (`compound.bin`).

5.3 File system

USB disks formatted to FAT32, “super floppy” disks and multiple partitions (first FAT partition is taken) are supported by this package.

A wide range of various USB stick vendors and brands is supported.

6 References

	Document
[1]	Streaming Client Technical Documentation V02.12
[2]	Streaming Client WEB Page
[3]	Streaming Client Update Kit V02.12

7 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

