BARIX

THE VOICE OF SIMPLICITY

RELEASE NOTE

STL V03.06

Firmware name:	STL V03.06		
Released:	29. Jan. 2014		
Package name:	abcl_stl_v0306_20140129		
Version overview:	Type	File name	Version Date
	Firmware	abclw.rom	VA1.14_20131015
	WEB UI	abclapp.cob	V01.09_20130306
	FW Ext. 1	sg.bin	V10.01_20131008
	FW Ext. 2	fs.bin	V02.06_20110322
	FW Ext. 3	bclio.bin	V01.24_20130226
	Bootloader	exfull.rom	V99.26_20120223

1 Hardware Compatibility

This firmware is intended to run on the following devices:

- Exstreamer 100, 105, 110, 200, 205, 500, 1000, P5

- Annuncicom 60, 100, 155, 200, 1000, VME, PS1

- Instreamer 100

- IPAM 100, 102, 200, 300, 302

Note: The firmware may run on other Barix audio devices, however the functionality is not guaranteed.

2 New Features and Improvements

Compared to STL v.3.03 :

- Added feature #61.59, add QoS parameter in WEB UI network settings.

- Added feature #61.58, add CBR option for MP3 encoding.

- Added feature #61.62, add Bit Reservoir option for MP3 encoding.

3 Bugs Fixed In This Version

Compared to STL v.3.03 :

- Fixed bug #61.52, changed appearance, to be conform to standard Barix look-and-feel.

- Fixed local loopback not working on encoding-only configurations.

Various corrections have been made to the audio module (song). This is a selection relevant for the IPAM102 based devices:

- Fixed error in initialization, which resulted in a potential data loss while decoding.

- Fixed error in AD mixing which could have caused reduced volume at the receiver.

- #053.80. Fixed audio dropouts in G711 24kHz.

- #053.88. Average buffer level on output now calculated over about 5 seconds rather than the 1-2 seconds in the previous version.

4 Other remarks and known issues

- Volume fading effect works only for connection start.

- Using the SPDIF inputs on Instreamer 100, and streaming a PCM, uLaw or aLaw stream, the optical channel is mandatory.

- Using the AES/EBU or SPDIF inputs, and streaming a PCM, uLaw or aLaw stream, the input signal sample rate and the WEB UI selected sample rate must match.

- Remote relay states on the WEB UI index page, related to remote devices that have not any digital inputs, can be inconsistent.

- Using a full-duplex configuration, and 48Khz PCM stereo as audio format, some audio holes can be audible reloading the WEB UI "configuration" and "application status" pages of the decoding side.

- Using a full-duplex configuration, 16Khz or 48Khz PCM stereo, on devices with hardware modules rev.2 only (IPAM102), in some particular circumstances a muted audio output is possible. Rebooting the device should solve the issue.

5 Release generating details[1]

5.1 CVS release tag

abcl_stl306_ref301

5.2 Compile commands:

make ab_stl

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1 This information is intended for BARIX developers only

6 Legal Information

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