BARIX

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RELEASE NOTE

ABCL V1.21

Firmware name:	ABCL V1.21		
Released:	19^{tn} Oct 2017		
Package name:	abcl_kit_v0121_20171019		
Version overview:	**Type**	**File name**	**Version Date**
	Firmware	Abclw.rom	V01.21_20171019
	WEB UI	Abclapp.cob	V02.07_20140820
	FW Ext. 1	Sg.bin	V10.18_20171019
	FW Ext. 2	Fs.bin	V02.08_20140820
	FW Ext. 3	Bclio.bin	V02.06_20151028
	Bootloader	UNIFULL.UPB	V99.28_20160224

1   Hardware Compatibility

This firmware is intended to run on the following devices:

- Exstreamer 100, 105, 110, 120, 200, 205, 500, 1000, P5

- Annuncicom 60, 100, 155, 200, 1000, PS1, PS16

- Instreamer 100, Instreamer (new)

- IPAM 100, 101, 102, 200, 300, 301, 302

2   Bugs Fixed In This Version

The following bugs have been fixed in the ABCL V1.21 (compared to version V1.18):

- #SONG-1: Fixed corrupted audio encoding for 16 and 32 kHz, and updated the VLSI DSP FW (vs1063.bin) to the latest version.

3 Improvements In This Version

The following improvements have been done in the ABCL V1.21 (compared to version V1.18):

• Added support for more the latest Barix products to the Barix Audio SNMP MIB file, and updated the Barix Discovery tool to v0.24 to recognize them.

4 Known Bugs/Restrictions

4.1 IPAM 101

• Sampling frequencies 44.1kHz, 22.05kHz and 11.025kHz not supported in encoding-only and full duplex modes

• Input peak level indication copies left → right if mono encoding is selected

• Mono line input settings (copy signal from left channel to the right channel) not supported in combination with stereo encoding

• Significantly higher minimum decoding latency than IPAM 100

4.2 IPAM 102

• Sampling frequencies 44.1kHz, 22.05kHz and 11.025kHz supported in encoding only, but not in full duplex

• Input peak level indication copies left → right if mono encoding is selected

• MP3 encoder: CRC, copyright and original/copy setting not configurable

• encoding loopback (monitoring) volume not configurable

• encoding loopback 7dB weaker than IPAM 100

• 2dB output signal difference between IPAM 102 and IPAM 100 (IPAM102 weaker)

• When downgrading from ABCL firmware kit v1.21 to v1.18 (or from Song module 1.18 to 1.15 or 1.14 then device needs manual reboot (power OFF/ON). No problems when upgrading firmwares.

5   References

	Document
[1]	BCL Programmers Manual 1.19
[2]	ABCL Technical Documentation

6 Legal Information

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