



Release Note

ABCL V0.39

Firmware name:	ABCL V0.39		
Released :	30. Nov. 2011		
Package name:	abcl_kit_vb039_20111130		
Version overview:	Type	File Name	Version
	Firmware	abclw.rom	VB0.39_20111122
	WEB UI	abclapp.cob	V01.15_20100902
	FW Ext. 1	sg.bin	V08.24_20111129
	FW Ext. 2	fs.bin	V02.06_20110322
	FW Ext. 3	bclio.bin	V01.19_20111128
	ES Module	esnd.rom	V00.05_20091230
	Bootloader	UNIFULL.SPB	V99.24_20111118

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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, P5
- Annunicom 100, 155, 200, 1000
- Instreamer 100
- IPAM 100, 200, 300

2 New Features

The following new features have been implemented in the ABCL v0.39 (compared to version 0.38):

- #047.66. The following corrections:
 - 1) On Start up if Setup version incompatible do not clear network parameters.
 - 2) Include DHCP name when retaining network parameters.
- #053.49: MPEG layer I and II decoding enabled
- #068.03. Bootloader.
“recover to Bootloader” for the PS 16
- #068.23. Bootloader
HW Type and Codec information is displayed.
- #068.24. Bootloader
A hidden function to change the HW type is added to the serial interface.

3 Bugs Fixed In This Version

- #047.63 BCL

Sending UDP broadcasts worked if the global format (IP address 0.0.0.0) was used. However, it did not work if a specific broadcast address (e.g.192.168.0.255) was given.

BCL code example:

```
open "UDP:0.0.0.0:3031" as H_UDP_PA
for r = 1 to 3
  write H_UDP_PA,"AAA",3,"192.168.0.255",3031
next r
```

This did not work and has now been corrected in version v0.39.

- #068.22 Bootloader.

If a reboot was made via the WEB UI under “reset” - holding reset button - the Bootloader would be entered followed immediately by a second reboot. The second reboot was caused by the Bootloader misinterpreting the file name uirreboot1.html as a reboot command.

4 Known Limitations

5 Major Modifications

5.1 Practical application of change #047.66

Some customers may wish to swap from the Streaming Client FW <-> the FTP_MP3 FW via WEB update using a Static IP configuration. In previous versions of both FW, if there is a different "Setup version" then all network settings were cleared thus losing access to the device.

Change #047.66 corrects this behaviour by retaining the network settings.

An additional problem arose when DHCP was used together with a user defined DHCP name. Choosing factory defaults via the WEB UI would not retain the DHCP name so that the device would receive a different IP address on restart. So again contact would be lost

Change #047.66 corrects this behaviour by including the DHCP name when retaining the network settings.

5.2 Bootloader Changes

A new version of the Bootloader (V99.24) is included in this package. Added is a "recover to Bootloader" for the PS 16, display of HW Type and Codec information.

Change #068.03

Introduced in this version is a local "recover to Bootloader" for the PS 16 device by holding down keys 8 and 9 during power up.

Change #068.23.

HW Type and Codec information is displayed both via the WEB UI and the serial interface.

Display the hw type

The EEPROM number is displayed in decimal and hex.

Display information on the codec type

The current (Nov 2011) populated codec types can be distinguished by checking the LS 2 bits in register HV (0xff6) and the end of DMA bit according to this table:

IPAM Type	HV1	HV0	PIO12
100	0	0	0
101	1	1	1
102	1	1	1
200	0	0	1
300	0	1	1

Change #068.24

A new hidden function to change the HW type is added to the serial interface. It displays the current value and allows it to be changed and written back to the EEPROM. This feature is not intended for normal user use.

6 References

	Document
[1]	BCL Programmers Manual 1.15
[2]	ABCL Technical Documentation

7 Legal Information

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