



# Release Note

## FTP MP3 V00.71

<b>Firmware name:</b>	FTP MP3 V00.71		
<b>Released:</b>	21. Dec. 2009		
<b>Package name:</b>	abcl_ftmp3_XXXX_v0071_20100121		
<b>Version overview:</b>	<b>Type</b>	<b>File name</b>	<b>Version Date</b>
	Firmware	abclw.rom	VA0.26_20100119
	WEB UI	abclapp.cob	V01.12_20090924
	FW Ext. 1	sg.bin	V07.04_20091228
	FW Ext. 2	fs.bin	VA2.05_20100113
	FW Ext. 3	bclio.bin	V01.12_20100112
	Bootloader	exfull.rom	V99.15_20100114
	ES Module	esnd.rom	V00.05_20091230



# I Hardware Compatibility

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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.

## 2 New Features and Improvements

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The following new features have been implemented in the FTP MP3 V00.71 (compared to 00.70):

- 056.62: Added UPDATE\_DAILY\_DURATION as an option in the player.cfg file;
- 063.24: Support FAT format on "Linux" partition type

## 3 Removed Features

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The following features have been removed (discontinued) starting from VA071:

- Receiving audio messages using the priority port is not possible anymore. The relevant configuration parameters (*PRIORITY\_PORT*, *PRIORITY\_VOLUME*, *PRIORITY\_BUFFER*) are not supported anymore.

## 4 Bugs Fixed In This Version

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- Bug 056.63: FTP\_MP3 will not download music files if both the local and server *PLAYER.CFG* files have UPDATE\_DAILY\_TIME enabled;

## 5 Other remarks and known issues

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- Playback may be disturbed while loading the music directory page if a big amount of music files are present in the music directory;
- Deletion of music files from the current playlist may cause incorrect playback. Deleted files will not be restored until the next music update. Use the file delete function with caution!;
- Only the contents of the music directory is shown in the music files view. Other directories are not shown, even if the player directory is set to USB root;
- The music directory name is limited to 8 characters;
- Only one level of directory hierarchy is supported (i.e. “/maindir/subdir” is not a valid path even if it fits within the 8 characters name limit);
- Some browsers<sup>1</sup> may send 2 commands when clicking on a command from the command bar on the control page. If you see CGI syslog messages with the same content in less than 500 ms one after the other, for example:

13811.240648	192.168.11.226	192.168.11.255	CGI:play&reloaded=false
13811.591514	192.168.11.226	192.168.11.255	CGI:play&reloaded=false

then this is may be the case for you. Upgrade your browser or use another one;

- The names of the playlists are not displayed if the PLAYLISTS page is opened with the Safari browser.
- If the network is not available while the device is booting, then the NTP and FTP servers may not be successfully resolved, and any consequent NTP, configuration and music updates will fail. To prevent this, the application has been modifies to repeat the DNS resolution at each NTP\_INTERVAL specified in the player.cfg. If any config and music update is attempted before the next NTP\_INTERVAL, it will fail, so set MUSIC\_UPDATE and CONFIG\_UPDATE interval greater than the NTP\_INTERVAL, or use UPDATE\_DAILY\_TIME setting.

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<sup>1</sup> In fact, this has been noticed with Seamonkey 2.0 (Gecko/20091017), Firefox 3.5.3 (Gecko/20091006), Firefox 3.5.4 (Gecko/20091016), Safari V4.0.4 (5531.21.10) worked fine.

- If for some reason updating to V00.71 is not feasible, it is possible to apply a workaround for bug 056.63 using two PLAYER.CFG files:
  - Create two configuration directories on the server (for ex. CONFIG1 and CONFIG2)
  - Create only one directory for music (for ex. MP3\_MUSIC)
  - Create a *player.cfg* file containing UPDATE\_DAILY\_TIME option configured to your liking. Make sure that it points to CONFIG2 as a configuration directory, and to MP3\_MUSIC as a music directory. Configure the playlists you would like to fetch and play, and save it in CONFIG1 directory on the server. Put this file on the USB stick of the device as well. This file will be used to trigger the update at the specified time using the specified duration (if available);
  - Create a second *player.cfg* file using CONFIG\_UPDATE and MUSIC\_UPDATE options. Set the CONFIG\_UPDATE to a value enough to download all music files (for example if you estimate that you need one hour, set it to 120 minutes). As triggering music update is not intended with this configuration file, just set MUSIC\_UPDATE to a value bigger than the one for CONFIG\_UPDATE (for ex. 180 min). Make sure that this *player.cfg* file points to CONFIG1 as a configuration directory on the server, to MP3\_MUSIC as a music directory, and has the **same** playlists as the first *player.cfg*. This file will be used to fetch again the file containing the DAILY\_UPDATE\_FILE option, and finish the music update triggered from the previous one.

When the first *player.cfg* is on the USB stick, it will start config and music update at the configured daily time. It will fetch the second config file that does not have this option. The music update, started from the first *player.cfg* file will finish as well.

When the CONFIG\_UPDATE interval defined in the second file is reached, it will fetch the first *player.cfg* file which will block any updates until the specified DAILY\_UPDATE\_TIME is reached again.

## 6 Release generating details<sup>2</sup>

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### 6.1 CVS release tag

```
abcl_ftmp3_v0071_20100120
```

### 6.2 Compile commands:

```
make ab_ftmp3_xxxx NOBAS_IN_COB=1
```

where xxxx is the release which needs customised settings

### 6.3 Regenerating FW image

The source code of the FTP\_MP3 application is too big in size, and cannot fit into the COB file together with the tokenized BCL code. The generated release already has the source code stripped out of the FW image. However, if for some reason manual rebuild of the FW is needed, then the applications.sh script has to be run with the **-no\_source** option to regenerate the applications.cob file:

```
./applications.sh -no_source
```

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<sup>2</sup> This information is intended for BARIX developers only

## 7 Legal Information

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