

MAYAH

Communications GmbH

Flashman

Release Notes

Agenda:

- B Bug fix
- E Enhancement
- C Change
- I Internal

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version V1.11_b_20050920			
2005-09-20	JW	B	Settings might have changed accidentally if the unit was locked

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version V1.10_b_20040625			
2004-06-25	JW	B	In some special cases the unit didn't store Lock/Unlock status; corrected

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version V1.09_b_20040617			
2004-06-17	JW	E	The configuration menus and screens now may be locked so the settings may not be altered accidentally. The user is able to select only predefined settings. Lock/Unlock is only possible via Remote Control

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version V1.08_b_20040202			
2004-02-02	JW	B	The Block Alignment Entry was not calculated correctly (in fact it was set permanently to 1). Some applications didn't care about this, others did. Anyway, Block Alignment should now have the correct value.
2004-02-02	JW	E	The update procedure has changed to support different device generations. From now on update files are named *.UPD (instead of *.ASC) and contain updates for every device. The Remote Control has been updated to handle both, old style *.ASC files and new style UPD packages.

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version V1.07_b_20031212			
2003-12-12	JW	B	It was reported that most files could be imported into an audio processing system, but some files failed. This situation could be forced when there were several pauses during record. Reason was a not complete lock of the audio file between two different tasks, so both tasks seeked and wrote to the file simultaneously sometimes; corrected.
2003-12-12	JW	B	AM/PM indicator did not disappear when clock was set to 24h mode; corrected

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version V1.06_b_200310131333			
2003-10-13	JW	B	Sometimes the DSP reported a bitrate of '0', causing a 'division by zero' error in further calculations. The unit seemed to be frozen then, and power supply had to be removed to switch the unit off; corrected.
2003-10-13	JW	B	Same freezing effect, but different cause: If very small files should be played, then the preparing task for playing ran out of data and the unit seemed to hang, too; corrected
2003-10-13	JW	B	Sudden Power Off when operating jog wheel: Heavy to find, but there still was a bug in the operating system. It was possible for a task switch to take place during processing an interrupt. If both events took place simultaneously the result were write accesses in forbidden memory areas resulting in a total crash. The operating system is updated with the 'BURNRTOS...' file included in this package.
2003-10-13	JW	E	Since LCD backlight is much more energy saving than former types, the backlight now is permanently switched on (and off), if the headphone/backlight key is pressed.

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version V1.05_b_200306260920			
2003-06-25	JW	E	Flush interval decreased from 1 minute to 10 seconds. This ensures max 10 seconds loss at the end of an unfinished record if there is a sudden power fail.
2003-06-25	JW	B	If record was paused and the unit turned off (by ON/MENU key or after power saving time elapsed) the so far recorded track has not been closed correctly, corrected
2003-06-25	JW	B	When with big flash cards the number of remaining minutes of recording time exceeded 999 (or 3 digits) then the leftmost digit has never been erased, corrected.

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version V1.04_b_200303050901			
2003-03-11	JW	B	Limiter turned off if switched on, corrected

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version 1.03_b_200302191227			
2003-02-19	JW	B	Digital In: Monitoring via headphone was possible only if there was a previous playback
2003-02-19	JW	E	Level meter has a peak hold function now
2003-02-19	JW	E	Marker: The position value is stored in an additional location within the cue chunk. This enlarges the number of programs which are able to read markers, especially with MPEG formats.

<i>Date</i>	<i>Shortcut</i>	<i>Status</i>	<i>Description</i>
Version 1.02_b_200212131139			
2002-12-13	JW	E	Flashman now can record in plain raw mpeg file format
2002-12-13	JW	B	After setting new markers or deleting old ones the length entry of the RIFF section was again too long by 4
2002-12-13	JW	B	It could happen that the bit stream section did not start with a mpeg header
2002-12-13	JW	B	In general pausing during record produced corrupted bit streams with layer 2. Now the application tracks mpeg headers to take care of frame boundaries. A positive side effect is that the mpeg audio data area within a file always ends with a complete last frame.
2002-12-13	JW	B	A change from mono to stereo (or vice versa) in the audio settings did not adjust to a correct bitrate for Layer2
2002-12-13	JW	B	With 44.1 sample rate the size of the data chunk could have been odd
2002-12-13	JW	E	A new option allows to play tracks one after the other automatically
2002-12-13	JW	B	Calculations according to marker positions were made with variables too small in type. Result was that markers with a high position value flipped back to small values, and all markers were concentrating to a small area at the beginning of the track
2002-12-13	JW	B	The layer 2 decoder produced audible distortions at bitrates of round about 256 kBit or higher. Also, it could happen that the layer 2 decoder played audio for about 1 second and then suddenly stopped. This behavior did not show always and occurred randomly.
2002-12-13	JW	I	Not concerning Flashman directly, but wrote a new Remote Control from scratch. Should be more system friendly, somewhat faster, smaller in size and more robust than the first one.

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Version 1.01_b_200210021607			
2002-10-03	JW	B	The length entry of the RIFF section should be filesize-8, not 4; corrected.
2002-10-03	JW	B	Digital Output produced a SP/Dif stream that always was marked with 44.1kHz samplerate, regardless of the true samplerate. Now the SP/Dif samplerate is the same as the audio's samplerate.
2002-10-03	JW	B	Before calculating some sizes for the RIFF headers a flush file is invoked to be sure that all file data has been written.
2002-10-03	JW	C	Version of Flashman Application now is the first entry in the version list.

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Version 1.00_b_200208010832			
2002-08-01	JW	B	New PCM encoder. The old one caused heavy distortions when the input signal came close to the clipping levels.
2002-08-01	JW	C	Justification of LCD contrast is limited to visible range
2002-08-01	JW	C	Now the play marker is running much more smoothly. With the new FM software it is controlled by a timer and no more by the amount of data transferred to the DSP. The latter method caused a 'jump' at the beginning and a much too early stop of playback due to internal buffers of the DSP.
2002-08-01	JW	C	Since new PCM decoder is somewhat slow at the start, there can be some misalignment between audio start and play marker position. Now there is a short pause at the beginning to synchronize both, audio and play marker.
2002-08-01	JW	E	Speeded up selection the next track via jogwheel.
2002-08-01	JW	E	'Mark select' function can be launched not only by menu but by the 'Mark' button, too.
2002-08-01	JW	E	During 'Mark select' it is possible to 'Play' immediately
2002-08-01	JW	B	RIFF File format corrected.
2002-08-01	JW	C	Markers are now stored in 'CUE' chunks. With this feature CoolEdit can read markers from WAVE PCM files, and Digas can interpret markers, too.
2002-08-01	JW	C	Digas Musifiles are not created directly anymore, but Digas can import the file formats created by Flashman.
2002-08-01	JW	B	Selection of operating modes and bit rates were not limited to legal combinations for Layer2, now they are.
2002-08-01	JW	E	Storing of settings and configurations is now guided with a magic number to detect changes in configuration format.
2002-08-01	JW	E	Mark delete' function completed.
2002-08-01	JW	E	Setting new marks in existing files completed. Marker deletion and insertion in general are limited to the file formats that Flashman is able to write itself. Markers can't be changed in Digas Musifiles and raw bit streams.
2002-08-01	JW	E	Markers are sorted when stored. When selecting markers via the jogwheel they appear like ordered 'pearls on a string', regardless of how mixed they were inserted.
2002-08-01	JW	E	Changing the record gain now has an acoustical effect on the headphones.
2002-08-01	JW	E	New screen with versions information is available, now.
2002-08-01	JW	C	The configuration of codecs is simplified. Now on the codec page there is only one set of items for selecting a codec and its bit rate. The audio source this settings belongs to is the selected (checked) audio source at the main menu.
2002-08-01	JW	E	With Layer2 now it is possible to select the (higher) stereo bit rates for the XLR Mono microphone. Stereo files are generated then, but with the mono signal is on left and right audio channel.
2002-08-01	JW	I	Some menu items have been disabled since they are not activated yet (especially 'System Settings/Counter down' and 'Audio Settings/Digital In/Downmix').

