

# Flashlog 8.04.15

## Update Procedure

1. Extract everything from the zip file onto a CD-ROM or USB disc.
2. Insert the disc into the logger and run Update8.exe.
3. When the “Update completed successfully” dialog appears, click “OK” and remove the disc. The Flashlog recorder and player will automatically restart.
4. Note that the SNMP MIB file was updated in release 8.02 (24<sup>th</sup> March 2015).

This update includes the following new features and fixes:

- Added a backslash to the audio path name in calls to GetDiskFreeSpaceEx as this seems to be needed in some circumstances.

The following features and fixes from earlier releases are also included:

- Fixed a bug when saving mono internet streams as MP3. Also removed timecall mode and *Save As WMA* from internet streams due to sampling rate conflicts.
- Added support for https in HLS streams.
- Added support for .ts transport layer encapsulation in HLS streams.
- Fixed bug with audio failure alarms not working in HLS internet streams.
- Added support for Shoutcast streams encoded as AAC-LC.
- Additional option for Flashlog LT.

- Fixed a couple of bugs that caused Shoutcast AAC streams not to display waveforms when initially false synchronising to what looked like an ADTS header in the random AAC audio payload.
- Fixed a problem with the waveform display on MP3 streams showing full scale during total silence, and also added some smoothing to remove the occasional spikes.
- Fixed a problem with internet streams in demo mode.
- Allows recording from Wheatstone microphone inputs.
- Allows recording from PC-AD2 microphone inputs.
- A bug introduced in the last update that caused the recorder service to ignore any AM Radcap sources has been fixed.
- When a DAB ensemble name changes, SNMP now shows the new name instead of the old one.
- Channel, DAB service and internet stream names that contain one or more of the characters forbidden in Windows file names now have those characters replaced by an underscore when saving to a file or archiving.
- Fixed a bug that could cause the recorder to fail to start when used with devices having multiple recording endpoints sharing an A/D converter.
- Added support for HLS internet streaming protocol.
- Introduced the Flashlog LT option.
- Fixed a bug that could cause Shoutcast/Icecast streams to hang if connection to the server is lost.
- Fixed a bug in 8.04.0 that would cause RTMP streams to hang.
- Added checking to gracefully shut down the recorder service if it loses access to its audio storage.
- Added a Flashlog LT trial mode.
- Fixed a bug that prevented the recorder from connecting to some Shoutcast/Icecast streams.
- Added a time zone setting to internet streams so that the date and time displayed on playback corresponds to the originating zone.
- Added a bit-rate calculation for initialising internet streams that don't include the bit-rate metadata.
- Fixed a bug in the player that caused it to crash when saving extracts to files on Windows 8.
- Each archive event on a channel now has its own status indicator, with an error message tool tip on failure. The channel's *Arclb* button now shows the status of the current or most recent event.

- The recorder service is now set to depend on the LanmanServer service as well as the AudioSrv service, to ensure that the network subsystem is running before any archiving begins.
- A bug in the SNMP DLL that prevented the failure of one side of a stereo line input from being detected has been fixed.
- The DLS/RDS text can now be copied to the clipboard
- Fixed a bug that caused the volume control not to work correctly when the playback device is configured as something other than 2-channel stereo (i.e. mono or surround sound).
- Fixed a bug that prevented the skimming indicators from working if there were no line channel subcategories.
- Added a seconds field to the archive event start and end times.
- Fixed a bug with the line channel mode select buttons when there are more than 32 input sources.
- Fixed a bug causing heap corruption in the player waveform buffer handling.
- Fixed a bug that disabled the Save-To-File and Save-To-Clipboard buttons when incrementing or decrementing the Minutes, Ten Minutes or Hours even if a segment was still marked.
- Duplicate DAB service IDs across multiple ensembles are now tolerated.
- Double-clicking in the waveform window now marks the current waveform span for saving or copying.
- Added archiving feature.
- Added support for M3U and M3U8 internet stream playlist URLs.
- Provided a workaround for stalled input streams that can occur with the newer Wheatnet IP drivers.
- Fixed a problem preventing mono line channels from being renamed.
- Fixed problems with MPEG version 2 layer 3 (low bit-rate MP3) on internet streams.
- Fixed a problem in the recorder service causing it to miscalculate the drive space needed for AM channels.
- Fixed a problem in the recorder service causing it to double-count the drive space reserved for the operating system when the audio is stored on a separate partition to the system.
- Fixed a problem that caused no playback channels to be shown when a logger has only internet streams.
- Fixed a problem that prevented a DAB ensemble from being set to zero days.

- Fixed a problem in the internet streaming URL parser that would cause the recorder service to terminate if the URL was invalid.
- Fixed a problem with Shoutcast/Icecast URLs longer than 49 characters failing to connect.
- Fixed a problem with some Shoutcast/Icecast file handles not being closed when an internet stream disconnects.
- Added support for internet radio streams using Shoutcast / Icecast or Flash (RTMP) protocols.
- Fixed a problem with SNMP audio status and traps associated with line channels set to dual mono.
- Fixed a number of issues causing the SNMP DAB service stream status indicator not to report erroneous conditions.
- Fixed a problem that could cause some DAB services not to appear in the SNMP Broadcaster Services table when a broadcaster owns services across multiple ensembles.
- Fixed problems with DAB MOT slide decoding when the data stream is sent in Short X-PAD fields or when header update frames are sent.
- DAB MOT slides larger than 320x240 pixels are now scaled down rather than clipped.
- When a new ensemble is first seen, the number of logging days is set to the default value if there's sufficient hard drive space, otherwise it's set to zero.
- Fixed a bug that prevented saving audio to the clipboard or files from line, AM and FM channels.
- A bug has been fixed that caused saving DAB audio to the clipboard or files to fail if the DAB service wasn't present for the entire marked interval.
- Added support for Axia GPIO event logging.
- Fixed bugs associated with changing the number of days.