

AWOX, S.A.
93 place Pierre Duhem
34000 Montpellier, France
Tel: +33 4 67 47 10 00
Fax: +33 4 67 47 10 15
www.awox.com
contact@awox.com



Release Notes

Customer:	Swisscom
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Author:	Raymond Picard, Awox

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REVISION HISTORY

VERSION	DATE	DESCRIPTION	AUTHOR
SWISSCOM_2015.A_11	2018-09-21	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_10	2018-04-13	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_9_EXTD	2018-03-12	SUPPORT RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: SWITCH TO NEW TOOLCHAIN FOR BCM TARGET			
SWISSCOM_2015.A_9	2017-08-17	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_8	2017-02-24	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_7	2016-08-18	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_6	2016-08-17	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_5	2016-06-08	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_4	2016-02-22	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_3	2016-02-11	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
SWISSCOM_2015.A_2	2016-01-22	CORRECTIVE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIX ISSUES			
R65908	2015-09-02	NEW FEATURES	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: ADDED REQUESTED FEATURES			
BAWOX_2015.A_R64146	2015-06-09	UPDATE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIXED ISSUES			
BAWOX_2015.A_	2015-03-31	UPDATE NEW FEATURES	RAYMOND PICARD, AWOX

R62657			
SUMMARY OF CHANGES: ADDED REQUESTED FEATURES, FIXED ISSUES AND UPDATED DLNA STACK			
R57144	2014-09-17	RELEASE CANDIDATE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: FIXED ISSUE			
R57008	2014-09-10	UPDATE NEW FEATURES	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: ADDED REQUESTED FEATURES AND UPDATED DLNA STACK			
B2013Q4_R54951	2014-06-19	RELEASE CANDIDATE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: ISSUE FIX			
B2013Q4_R53357	2014-04-18	RELEASE CANDIDATE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: ISSUE FIX			
B2013Q4_R53090	2014-04-10	RELEASE CANDIDATE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: ADDED REQUESTED FEATURES			
B2013Q4_R52895	2014-04-02	RELEASE CANDIDATE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: ADDED REQUESTED FEATURES			
B2013Q4_R52632	2014-03-24	UPDATE RELEASE	RAYMOND PICARD, AWOX
SUMMARY OF CHANGES: UPDATE RELEASE FROM 2012Q4 BRANCH TO 2013Q4 BRANCH			

DMS SDK + DMS PLUGIN SDK + DMS MALIBU PLUGIN SDK

SWISSCOM_2015.A_11**Corrective release****CHANGE LIST**

- [AW-2847/trac #58] - Crash while indexing a specific MP4 file

SWISSCOM_2015.A_10**Corrective release****CHANGE LIST**

- [AW-2832/trac #56] - Crash while indexing an OGG file
- [AW-2833/trac #57] - Crash while indexing an M4A file

SWISSCOM_2015.A_9_EXTD**Support release****CHANGE LIST**

- [AW-2831] - Swisscom bcm build to use a new toolchain

SWISSCOM_2015.A_9**Corrective release****CHANGE LIST**

- [AW-2787/trac #53] - WMA parser fails to get release year
- [AW-2788/trac #53] - WMA parser fails to get album art
- [AW-2789/trac #53] - OGG parser fails to get album art
- [AW-2790/trac #53] - MP3 parser reports genre "Punk Rock" as integer 121
- [AW-2793/trac #34] - Loop Symlinks Infinitely Scanned

SWISSCOM_2015.A_8**Corrective release****CHANGE LIST**

- [AW-2384] - DLNA CTT failed to get metadata on "By(...)Index/.../Unknown" container
- [AW-2390] - DLNA CTT DMS 7.4.69.2: profile name does not match source protocolInfo
- [AW-2525] - Awox DMS shares WM-DRM protected files with no metadata
- [AW-2552] - DMS does not parse EAC3 files whose extension is ".ec3"
- [AW-2602/trac #52] - Swisscom Media Server UPnP info to be updated on bcm build

SWISSCOM_2015.A_7**Corrective release****CHANGE LIST**

- [AW-2295] MP3 parser does not extract Year in specific cases
- [AW-2296] MP3 parser potential failure on ID3 tags v2.0

SWISSCOM_2015.A_6**Corrective release****CHANGE LIST**

- [AW-2246] Swisscom ini files to be customized
- [AW-2272] Missing cast in FLAC parser can lead to wrong duration
- [AW-2282/trac #5] JPEG parser does not extract embedded thumbnail
- [AW-2283/trac #43] Artist and albums titles which start with the capital letter are the first on the list, the one starting with a lowercase are beneath
- [AW-2284/trac #44] Empty Directories in "Folders" View During Indexation
- [AW-2286/trac #46] In MP3 parser, For Artist Information, Use TPE1 if TPE2 is not Available
- [AW-2291/trac #47] No metadata returned when browsing playlist media
- [AW-2292] DMS rejects a valid search expression

SWISSCOM_2015.A_5

Corrective release**CHANGE LIST**

- [AW-2233/trac #42] Sebring Crash While Scanning Media

SWISSCOM_2015.A_4**Corrective release****CHANGE LIST**

- [AW-1946/trac #24] Album/Artist paging strategy leads to unbalanced clusters
- [AW-1953/trac #39] Swisscom-dedicated parser config file is not up to date
- [AW-1957/trac #37] DMS update_path leads to recursive browse tree
- [AW-1958/trac #19] FLAC parsing error
- [AW-1959/trac #19] OPUS parsing error

SWISSCOM_2015.A_3**Corrective release****CHANGE LIST**

- [AW-1883/trac #35] "Album" and "By Album/Index" 1st Level Containers Have Artist and Album Attributes.

SWISSCOM_2015.A_2**Corrective release****CHANGE LIST**

- [AW-1883/trac #35] "Album" and "By Album/Index" 1st Level Containers Have Artist and Album Attributes.
- [AW-1884/trac #36] Genre/Index Container Unwanted.
- [AW-1889/trac #28] Wrong "Artist" mapping from ID3Tags to upnp fields.

R65908 AKA SWISSCOM_2015.A_1

New features

CHANGE LIST

- [AW-1022/trac #20] DMS to present pictures/videos "by date" content with two levels: year then month.
- [AW-1023/trac #24] DMS to present audio media containers clustered alphabetically.
- [AW-1100/trac #18] DMS to allow retrieving media and containers based on their last modification version.
- [AW-1102/trac #29] DMS to provide media date (and date used in hierarchy) being the media publication date, not the file system date.
- [AW-1367/trac #19] Add OGG/Vorbis parser to DMS.
- [AW-1302] Fixed an interoperability issue with some Samsung TV models.
- [AW-1461] Fixed a memory leak when parsing fragmented mp4 media.

NOTE ABOUT USAGE OF OBJECTUPDATEID

Each media now has a "upnp:objectUpdateID" returned in its DIDL description (provided '*' or at least 'upnp:objectUpdateID' has been used in the query filter).

'All Music', 'All videos' and 'All Pictures' containers now have a "upnp:containerUpdateID" returned in their DIDL description (provided '*' or at least 'upnp:containerUpdateID' has been used in the query filter).

These containers also maintain the "upnp:totalDeletedChildCount" value which is increased each time a media is removed from the container. This value is returned in their DIDL description (provided '*' or at least 'upnp:containerUpdateID' has been used in the query filter).

All these values used with the SystemUpdateID value obtained through eventing or by calling GetSystemUpdateID() will allow tracking of media addition/removal/modification in the media server:

- To get the list of modified files since a specific updateID (5 in this example) has been broadcasted use the following search criteria:

```
upnp:class derivedfrom "object.item" and upnp:objectUpdateID > "5" and  
@refID exists false
```

- To get the list of modified containers since a specific updateID (here 4) has been broadcasted use the following search criteria:

```
upnp:containerUpdateID > "4"
```

BAWOX_2015.A_R64146

Update release

CHANGE LIST

- Fixed reopened trac #7
- Fixed trac #30: mp3 parsing problem on a given media

BAWOX_2015.A_R62657

Update release

CHANGE LIST

- Fixed trac #7.
- Fixed trac #12. Try to get an album art URI for an album container, taking the first one available among the album entries, defaulting to the default thumbnail if none found or if maximum time (that can be configured in the .ini file: "[Thumbnails] AlbumSearchMaxTimeMS=3000" has elapsed.
- Fixed trac #13. Simplified and documented the way to put extra properties on a CDS object with function "AddExtraObjectProperty" in CDSObject.h.
- Fixed trac #23:
 - o Fixed user agent parsing to search in the whole useragent instead of searching only after spaces.
 - o Added more user agents in "do not chunk" option default list.
 - o Created a DMS option to have upnp:AlbumArtURI element on video items. This is not mandated by DLNA but XBMC relies on it to present video thumbnail. By default, this option is disabled, to match previous Sebring behavior.
 - o Enable this option for Swisscom delivery
- Swisscom specific ini files now match requested final configuration, including:
 - o Added OGV support. Fixed trac #22
 - o Enabled playlist support. Fixed trac #26
 - o Disable unsupported VidiPath DLNA profiles "MPEG_TS_JP_T" and "DASH_MP4"
- Fixed trac #27 Due to a bad comparison when searching for 'My Folders' entries in a folder it happened in some cases that more items than really exist are found, causing total matches to be greater than it should. Correction required a slight DB format change.
- Updated to SQLite 3.8.7.2
- DB optimization options now available in Malibu. Enabled those optimization for Swisscom delivery
 - o "SQLCipherSynchronousMode=0" enable DB write caching, allowing good DB insertion performances when the DB file is in physical filesystem
 - o "SQLCipherJournalMode=OFF" disable journaling mode, improving DB insertion performances
- Various speed and memory usage optimizations
- Optimize Windows Media Player Browsing performances
- Fixed a few issues in ConsoleDMSManager application.
- Fixed incorrect escaping in the DMS for '#' character
- Fix a problem introduced when added sort by track number which was causing the requested sort criteria to be ignored. Now we sort by track number only if no sort criteria are passed in the browse query.
- Bumped DB version to 48, as structure has slightly changed because of correction of trac #27. DB version change will force Database removal at initial restart.

R57144

Release candidate**CHANGE LIST**

- Fixed DMS exit issue with customer-built plug-in. Vestiacom trac issue #17

R57008

New features**CHANGE LIST**

- Conformant to DLNA March 2014 Guidelines
- Pass UPnP Conformance Test Tool v2.0.57
- Pass DLNA Conformance Test Tool v2.0.3.6
- Pass DLNA Media Capabilities Verification Tool v3.0.3.6
- Thumbnail maximum resolution is now configurable by User Agent. Vestiacom trac issue #11 and #14
- Fixed Cover Art extraction of some mp3 files (wrong MIME type). Vestiacom trac issue #15
- Disc number and Track number extracted from ASF (.wma), MP4 (.m4a) and MP3 audio files
- Audio Album browse results are now ordered by disc number (no disc number last) and by track number (no track number last)
- Audio track number value exposed in UPnP DIDL as “upnp:originalTrackNumber”

For thumbnail size, the configuration is made in “mediaCTRLServer.ini” file.

It needs a new section named “[thumbnailsize]” with entries like:

- “useragent” = max_thumbnail size (unsigned integer, same for height and weight)
- “useragent/version” = max_thumbnail size (unsigned integer, same for height and weight)

Example:

```
[thumbnailsize]
```

```
Mozilla/5.0=480
```

```
AppleWebKit = 320
```

If several User agents match, then the greatest number is used.

User agent details (e.g “(iPad; U; CPU OS 3_2_1 like Mac OS X; en-us)”) is not taken in account.

Default values is always 160, to keep DLNA conformity.

B2013Q4_R53357**Release candidate****CHANGE LIST**

- Fixed “By date” browsing for early files. Vestiacom trac issue #4

B2013Q4_R53090**Release candidate****CHANGE LIST**

- Fixed thumbnail generation on large picture files whose format were not JPEG. Vestiacom trac issue #1
- Browsing tree by year and months for pictures and movies

Note this release may need a new translation as a hardcoded container called “By Date” has been added.

B2013Q4_R52895**Release candidate****CHANGE LIST**

- Rotate JPEG thumbnails and rescaled images according to EXIF flag
- Case insensitive indexing, allowing case-insensitive sorting on the following fields
 - o Container name
 - o Media title
 - o Media attributes Creator, Genre, Album
- Added date-sorting capability
- Bumped database version to 45 (**will force database re-generation on older versions**)

NOT INCLUDED

- Browsing tree by year and months for pictures and movies

B2013Q4_R52632**Update release**

CHANGE LIST

- Fixed parsing issue between some similar media types (mp4/m4a, pcm/wav)
- Extract embedded cover art from mp3, mp4, mkv
- Thumbnails keep original aspect ratio
- Added DTS elementary stream parsers
- Improved MPEG-TS parser
- Improved MPEG-PS parser
- Fixed various certification issues
- Fixed various memory leaks