Release notes T2R_Base, T2E08, T2HE04-T2R_Base, T2E08, T2HE04, TRACS2

These release notes are applicable to the following modules:

- T2E08
- T2HE04
- T2R_BASE
- TRACS2
- T2R150
- T2R30
- T2R90

Software version	2.10
Hardware version	n.a.
Platform	T2R_Base, T2E08, T2HE04, TRACS2
Date	01-11-2018
Filename	TRACS2_Firmware_2.10.2.r2.zip

TRACS2 Firmware version 2.10.2.r2.1601

This firmware will update TRACS2 single channel or multichannel recorders to version 2.10.2. This version is compatible with client version 2.10.0 or higher. Please note that there's a seperate client windows setup included for windows XP machines. Only systems with version 2.9.4 or higher can be upgraded to this release. Please use Versionmanager 1.2.1 or higher to update your recorders.

Release notes:
Added features, fixes and improvements in this version:
- Disabled SMB share
- Inserting spare disks which have already been part of another RAID can be forced into the array in the client
- Fixed audio drops, audio syncs and wrong time info in VLC
- Enhanced monitoring of memory usage
- Added network and system analysis and statistics tooling
- Fixed internal log rotation errors

Known issues:
- A recorder assigned as hardware playback unit with HD-input will show artifacts on SD-output. The unit that is configured to act as playback unit should have (recording) SD-inputs to avoid artifacts.
- GUI frame counter can sometimes deviate from actual values (displayed correctly in OSD) during playback.
- Recorders with UFP#.019 cannot be synchronized correctly to an weak LTC signal.

Software version	2.09
Hardware version	n.a.
Platform	T2R_Base, T2E08, T2HE04, TRACS2
Date	29-09-2016
Filename	TRACS2_Firmware_v2.9.6.r1.zip

TRACS2 Firmware version 2.9.6

This firmware will update TRACS2 single channel or multichannel recorders to version 2.9.6.r1. This version is compatible with client version 2.9.2. Please note that there's a seperate client windows setup included for windows XP machines. Only systems with version 2.8.1 or higher can be upgraded to this release. Please use Versionmanager 1.2.1 or higher to update your recorders.

Release notes:
Added features, fixes and improvements in this version:
- Changed CPU configuration for recorders with UFP#.019
- Fixed LTC signal instability for recorders with UFP#.019
- Added feature to select a hardware playback recorder from a list of playback capable recorders when doing a hardware playback
- Recorder which are currently recording HD or are disabled will not appear in the playback capable recorder list
- Fixed an issue where the archiver would stop at corrupted .dat files
- Embedded audio in HD SDI sources is handled correctly even if the audio is out of spec
- Loudness graph now displays a red background of all loudness values above the violation threshold
- Loudness violation alarms can now be enabled per audio pair
- Added feature to acknowledge all alerts
- Disabled channels are now indicated with a grey icon instead of red
- Improved archiver stability
- When archiver starts, the bandwidth usage for thhe archiver is limited
- Fixed issue where hardware playback becomes unstable due to encoding interruptions
- Fixed issue where HD inputs or inputs with no WSS were not handled correctly with respect to their aspect ratio
- Fixed issue where thumbnails wouldn't scale according to WSS-ext values
- Fixed issue where out-of-spec embedded audio was incorrectly synchronized
- Fixed issue in Masterd/salve negotiation where a new recorder would overwrite the master settings
- Fixed minimize/maximize issues in windows
- SNMP settings are now correctly communicated to all recorders
- System wide settings are now fully restored after updating a system
- Message 'No Loudness monitoring license for this recorder' will not appear anymore
- When loudness is not enabled for a channel, the 'Loudness Graph' button is disabled
- In case a swapped disk is not automatically recognized, a service button is displayed behind the disk status in the client to attempt a manual refresh

Known issues:
- A recorder assigned as hardware playback unit with HD-input will show artifacts on SD-output. The unit that is configured to act as playback unit should have (recording) SD-inputs to avoid artifacts!
- GUI frame counter can sometimes deviate from actual values (displayed correctly in OSD) during playback
- On single channel units, recording a 1080i source at MPEG2/MPEG4 @ 10Mb/s or H.264 > 1Mb/s may cause automatic downsampling to lower bitrates.
- SNMP messaging for Audio-related alarms doesn't work for all 16 channels on 8-channel units.

Software version	2.08
Hardware version	n.a.
Platform	T2R_Base, T2E08, T2HE04, TRACS2
Date	25-07-2014
Filename	TRACS2_Firmware_v2.8.1.zip

TRACS2 Firmware version 2.8.1

This firmware will update TRACS2 single channel or multichannel recorders to version 2.8.1. This version is compatible with client version 2.8.x. Please note that there's a seperate client for windows XP! Only systems with version 2.7.5 can be upgraded to this release. Please use Versionmanager 1.2.1 or higher to update your recorders.

Release notes:
Added features, fixes and improvements in this version:
- Added optional Loudness logging and monitoring (contact Axon for a loudness monitoring license)
- Loudness measurements during recording
- Loudness monitoring (audio bars and actual values) on live-monitor
- Loudness monitoring (audio bars and actual values) on playback of recorded content
- Generation of Loudness history graphs
- Export Loudness data
- Fixed auto RAID rebuild script
- Added disk position in recorder status group box
- Swapping all 3 disks between recorders is now possible
- Fixed invalid "md1 critical" error message after boot up
- Fixed issue with certain unexpected FTP response codes during archiving
- Fixed issue where a full FTP server would slow down the indexing process
- Improved the speed of the status group box on channel settings page
- Fixed updating the master IP address field on login screen after an unsuccessful login
- Search field 'days' on search page is now directly editable without selecting the text first
- Manual entry of time now responds correctly
- Fixed an issue with archiving on single channel units
- Fixed an issue where audio extraction of audio pair 2 and up failed
- Fixed issue where NTP server would reset to default after update of firmware

Known issues:
- A recorder assigned as hardware playback unit with HD-input will show artifacts on SD-output. The unit that is configured to act as playback unit should have SD-inputs to avoid artifacts
- GUI frame counter can sometimes deviate from actual values (displayed correctly in OSD) during playback
- SNMP messaging for Audio-related alarms doesn't work for all 16 channels on 8-channel units.

Software version	2.07
Hardware version	n.a.
Platform	T2R_Base, T2E08, T2HE04
Date	14-10-2013
Filename	TRACS2_Firmware_v2.7.5.zip

TRACS2 Firmware version 2.7.5

This firmware will update TRACS2 single channel or multichannel recorders to version 2.7.5. This version is compatible with client version 2.7.x. but we recommend using client version 2.7.5 (included in this firmware package). Only systems with version 2.6.x can be upgraded to this release. Please use Versionmanager 1.2.0 or higher to update your recorders.

Release notes:
Fixes and improvements in this version:
- Improved the subtitle synchronization in the client when displaying Teletext page 888 (for the hearing impaired)
- Added transparency option for on screen date, time and channel name
- Added smaller font size options for on screen date, time and channel name
- Fixed a bug where the password was changed for the wrong user after clicking another user in user management
- Fixed a problem with the archiver where some hourly clips were unnecessarily split up in 2 segments
- Files from before a name change are properly archived
- Default 'Archive from' is set to [today] when enabled
- Error in .dat file clean up fixed
- Backwards compatibility with TRACS1 fixed
- Time in default filename of clip download fixed
- Fixed the 'save layout' button option in user management
- Fixed a 'RAID rebuilding' state where the RAID was in error
- Fixed the 'This clip doesn't have any urls associated with it and will be skipped' error

Fixes and improvements in previous version (2.7.3):
- Fixed a bug where search results were split up into multiple clips
- Fixed an error which caused the player to be unable to play certain search results
- Changed internal proftpd configuration to allow more simultaneous clients running
- Fixed a problem in multicasted live-streams
- Fixed a calculation error in the capacity calculator
- Enabled internal log rotation
- Archiver thread auto-restart
- Archiver memory limitation issue fixed
- Archiver on single channel units auto recognizes local storage
- Fixed tracsserver internal logging issue

Added in release 2.7.0:
- 1 second accurate search results and downloads
- Clear known master IP list (profile settings)
- WSS extended compatibility
- New and improved archiver function (optional license)
- User defined search result margins when searching on as-run log entries
- Channel date/time indication in channel status window
- Channel thumbnail displayed in channel status window
- Changed 'exit live mode' into 'search this channel' on live monitoring tab
- New user right restrictions for 'save password' and 'save layout'
- Network connection speed (10Mb/s, 100Mb/s or 1000Mb/s) now indicated in recorder status window

Known issues:
- A recorder assigned as hardware playback unit with HD-input will show artifacts on SD-output. The unit that is configured to act as playback unit should have SD-inputs to avoid artifacts
- GUI framecounter can sometimes deviate a few frames from actual values (displayed correctly in OSD) during playback
- Audio-only extraction of audio pairs other than Pair-1 may result in corrupt audio-file. Workaround: download complete Video/Audio clip, and use VLC to extract required Audio-pair after download
- When files are blocked for reading by e.g. FTP mis-configuration, the GUI may display wrong channel settings. When this occurs, do not press [Save] and contact Support.
- SNMP messaging for Audio-related alarms doesn■t work for all 16 channels.

In case your unit was purchased prior to the 2.4.0 release (August 2010), please double check the availability of all licensed features after the update. In case of problems or if you would have questions regarding this update, please contact Axon Customer Support: support@axon.tv.