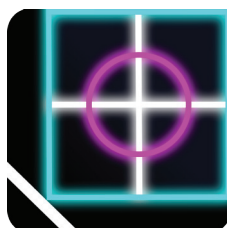
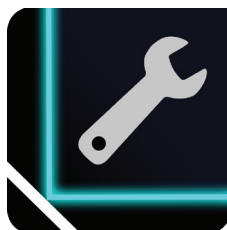
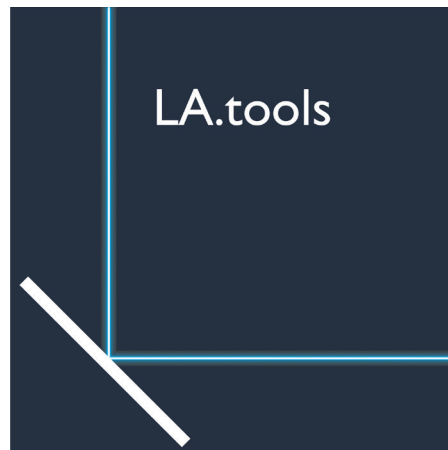
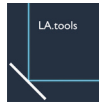


LA.tools 2025 Release Notes

Release Date: October 2025





LA.tools 2025.10 Release Notes



LA.dsp2aiff 2025/01/14 (Version 2.3.0)

- No changes since LA.tools 2024.2



LA.player 2025/09/17 (Version 2.7.1)

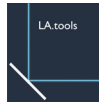
- Improve buffering to make delay small and stable without audio glitches
- Improve robustness of timecode handling
- Improve internal timecode phase accuracy
- Add playback offset option
- Add blank change when playback position changes due to timecode / buffer miss
- Add option to specify NTC source and target network addresses
- Pre-load AIFF data before playback starts
- Fix visualization being darker when yellow/cyan are present
- Fix duplicate markers leading to visualization frames missing
- Fix Dependence visualization issue (frame index)



LA.toolbox 2025/09/12 (Version 5.0.1)

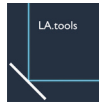
LA.toolbox 2025/09/12 (Version 5.0.1) - New features:

- show error popup if device listener has errors
- display net timecode
- allow to set manual ip address for unreachable avdecc devices without ip
- close windows with Cmd-w on macos
- control laser-state from context-menu
- set clock-source and stream-format from context-menu



- support new communication protocol
 - log communication data for new protocol
 - performance window with export function
 - laserdisable window
 - „What's new“ window
 - cable legend window
 - find devices window: double click on device to show in workspace
 - show error state in devices
 - select AVB interface (create/delete controller if selection changes)
 - device footer: display clock-source and samplerate
 - handle devices with ip-clash
 - macos: log system stat
 - macos: log cpu utilization
 - rearrange items
 - show mac-address in device
 - enable image resizing
 - reset image scale
 - add color to clock source (handle clock sources in footer)
 - ignore listener/talker if only CRF or no ports
 - rcp packet logger (default on)
 - shortcut „d“ for destructive choice in messagebox (e.g.: Don't save)
 - add button to center selection
 - beacons: check against computer-ips -> error if it is the same
 - ip-address for new devices: also check ip-range and subnet
 - delete log-files after 30 days
 - also show device error in lists
 - check milan counters for connection state and update cable colors
 - add cable-legend to „Help“
 - show warning for milan-devices without AS capability
 - show device-error in device and groups
 - safety-window coloured and right sliders
 - add/remove device from multi-selection
 - shorten tooltip wakeup delay to 50 ms
 - set format from device context-menu (switch between AAF/IEC)
 - add „Open and Connect“ (ALT-Key while LA.toolbox is starting)
 - command „connect selected“
 - use counters for connection status
 - setting to set network-interface for AVB
 - Help -> Show Logs
 - show firmware in device-view
-





- macos: add preference to set interface-type
- DGC: export/import points
- DGC: shift use only horizontal or vertical
- DGC: point-guides
- ask to replace devices with same name and ip-address but different mac
- device-error for different sampling-rates (audio-units, streams)
- try to increase open-file limit on macos
- add system and Qt info to log-file
- throttle avdecc added/removed signals
- show device info preference (None,Address, Entity Id)
- indicate LA-offline with bright-blue background in item
- drop devices vertical (preference)
- allow sorting in IPConfig
- leave IPConfig open
- remember deviceList order and „hide used“
- selection-rect with shift adds to selection
- deal with ip-clash: add device and show device-errors
- hide used devices in device list
- re-arrange devices
- AVB lock (avoid getting controller if avb is locked in scene)
- groups
- property inspector for new firmware
- device-list: used device: right click -> Show device
- UpdateManager: allow multi selection
- UpdateManager: refresh list with right-click -> Refresh
- start/stop stream via context-menu on port
- disconnect streams from port via context menu
- visualize stopped state of port
- change clock source via device context-menu
- show milan counters when hovering port with alt-key
- show stream-name if hovering port
- logfile rolling by size and age
- show grid
- introduce warning-level for newer file-versions

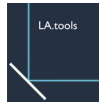
LA.toolbox 2025/09/12 (Version 5.0.1) - Updates:

- log device firmware in toolbox log
- fix spacing in inspector
- add process max load to performance window

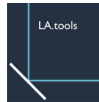


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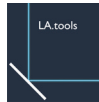




- upgrade to Qt6.9.1
- append device name to subwindows in device-settings
- raise and activate settings window if opened
- align version string on windows
- rename buttons to „Close“ and „Apply“ in „Ip Configuration“
- disable apply button after applying in „Ip Configuration“
- improve tooltips in device list
- show device error for unreachable avdecc devices
- probing: add connection timeout
- probing: rework socket disposal
- rework window positions
- get first spaghetti window if other window is active
- log window opening and closing
- log mounted volume information
- prefer to show info-name (instead of avdecc-name)
- update name from avdecc also if la is offline
- update log and always log name changes
- avoid making project dirty on entity-id change
- update to avdec 4.0.0-beta 11, controller 4.0.0-beta 15
- macos: log hardware information
- log network setup (+ifconfig output on macos)
- set OrganizationName for not-macos
- use stream-names for error
- store entity-ids as hex-string (stays backwards compatible)
- AvdeccLogUtils to convert unknown values to hex
- deselect items in other scenes
- show disabled empty menu for clock source
- wide gap for non-milan cables with connected state
- check if avb locked right away (no need to wait for signal)
- remove undo/redo for cables
- Qt 6.8.1 / Qwt to 6.3.0
- avoid empty avb name - return entity instead, beacon to set name on mismatch
- correct copyright date to 2025, about and properties (win, mac)
- swap About and „Check for Update“
- clear selection in update manager on close
- introduce error-codes and error-channels in DeviceInfo
- rework stream input connection changed in connection manager
- macos: no window tabbing
- display entities as offline when hovering port



- always update AvbCable
- change shortcut for „Open and Reconnect“ (ALT+SHIFT-Keys while LA.toolbox is starting)
- info to be QWidget
- rework prog-id for AvdeccObserver
- properly delete local files when deactivating a license.
- change order of port-info
- threaded device manager
- loading file: log loaded device-info, improve logging, set address if none is set
- slider: don't show groove-fill if handle is hidden
- don't reverse info-stack for talker devices
- limit workspace zoom to 2
- log thread for fatal messages
- name threads
- UpdateManager: ignore devices without EfuMode
- UpdateManager: don't automatically sort
- UpdateManager: show firmware info in version drop-down
- UpdateManager: select newly added firmware
- UpdateManager: show dropdown to select firmware for device when updating all
- UpdateManager: remove color for inactive rows
- UpdateManager: recreate list on open
- UpdateManager: turn logging on
- UpdateManager: select correct update-all device for selection
- UpdateManager: „Add Firmware“ to remember last path
- UpdateManager: increase default parallel updates to 50
- UpdateManager: general reboot info (instead of specific information)
- UpdateManager: not to update list of devices while open
- always show scrollbars (macos might need to set system setting)
- enable „Force Upload“ per default in file manager
- show real stream name in ports
- don't increase stream-index by 1 (AvdeccLogUtils)
- log controller id when avdecc controller is crated
- update link to avdecc libraries in about window
- unify multi/single selection code
- rework DeviceInfo errors
- show same grandmaster id as red
- sequentially set sampling-rate using a queue, collect and display errors
- if setting sampling-rate failed try with stopped stream
- enable logging
- disable drop-device onto other device

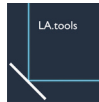


- disable-all button: center label
- increase workspace to 4000
- simplify add command name
- use applicationName (fixes window-names)
- VectorEditor: cleanup, use QList instead of QSet
- change how to get mac-address from entity
- filter cu.wlan, tty from serial devices
- interface observer: ignore „iPhone“
- don't close MainWindow on deselect (if setting „open settings on select“ is active)
- add entityId to logs in AvdeccUtils
- change log-path to use LaserAnimation (instead of Laseranimation)
- make sure to update form-info on main-thread

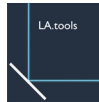
LA.toolbox 2025/09/12 (Version 5.0.1) - Fixes:

- smooth cable animation
- show 44.1 kHz correctly
- improve stability
- ignore cu.usbmodem
- hide and show subwindows for more device-settings
- avoid duplicates in last open projects
- handle rightclick while dragging
- properly set subwindow geometry
- handle early device signals
- watchdog for status command timeout
- images to background image-layer
- recreate udp-receiver if interface was added
- use correct courier font
- fix port numbers colors for inactive window
- replug on non-as-capable switch
- error with early devices - create device pool earlier
- only show grandmaster color if there are avb devices online
- cable undo-move bug
- increase height for MainWindow (fixes a problem for ilda2avb main tab)
- port colors for milan connections
- DGC: fix flip button
- DGC: allow number entry as e.g.: .01
- DGC/SafetyEditor: bring dgc-window to foreground if dgc was in foreground in other window
- device-frame color: if online it should be green (and not gray)
- fix crashes with serial port





- attempt to fix resize problem
- error in list: not-dropped part needs re-rendering
- avoid stealing unmodified projects
- avoid AVB feedback
- windows: adjust font sizes for device view
- windows: hovering device show black-empty tooltip
- windows: bright system-menu
- no AVB settings if device is not avdecc online
- stop stream before setting format
- avoid showing hover window without messages
- UpdateManager: crash in update while animation is running if row got removed
- UpdateManager: ask to cancel running updates, remove device if canceled
- UpdateManager: only enable refresh if no device is in queue
- UpdateManager: make sure new firmware gets selected
- UpdateManager: make sure update-all is visible
- FileManager: refresh after cancel all (fixes error if upload failed)
- disable channel-check for cables
- query keyboard modifiers correctly
- check if entities are online before deleting or creating connections
- delay showClients, quick fix to deal with many devices disconnecting at the same time
- UpdateManagerWidget: itemChanged not queued, get index for item instead using the item directly
- disconnect many connections from port
- macos: open-with from finder creates empty project
- incorrect reporting of connected stream
- DeviceManager: emit signals in any case
- DeviceManager: run add/remove if taken from throttle
- grandmaster color
- render optimizations
- compare ip-addresses (not strings) in ip config
- setting invalid stream format
- nothing connected: but possible runstates from mainwindow are shown
- select/move item after context-menu
- avoid creating talker if its list-item is disabled
- don't disconnect stream on close
- catch exceptions in notify()
- regression: only remove talker-items if la is offline
- fix blinking warning triangle
- with „Details on select“: don't show settings window when opening context menu
- with „Details on select“: bring settings window to foreground



- actually select all items
- don't open details when opening file (with open details on select turned on)
- constrain items to working space on load
- loading project: show warning after showing window (avoid empty window)
- logging and messages when writing project
- multi windows not showing
- wrong mac-address compare
- filter out AVB controller without talker or listener capabilities
- make manual devices show up after load
- don't allow certain context-menu/entries if device is offline



LA.recorder 2025/09/17 (Version 2.7.1)

- Improve robustness of timecode handling
- Improve internal timecode phase accuracy
- Add option to specify NTC source and target network addresses
- Fix visualization being darker when yellow/cyan are present
- Fix duplicate markers leading to visualization frames missing
- Fix multisample marker warning appearing wrongly
- Fix Dependence visualization issue (frame index)



LA.preview

For Windows: 2025/01/27

- No changes since LA.tools 2024.2

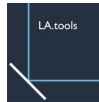
For Mac: 2025/06/20

- Add properties dialog with options like scanner simulation, fog, size, and position



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LA.timecode 2024/10/25

- No changes since LA.tools 2024.2

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