# Release Notes
# **HARVEY® Composer**

## Version 4.6.1

Compatible with HARVEY Pro firmware version 3.4.x — 4.6.x

NEW
- ✓ Allows setting of RC standby timeout and brightness

Improvements
- ✓ Includes HARVEY firmware and HarveyTouch templates v4.6.1
- ✓ Includes HARVEY RC4 and RC12 firmware 4.6.1
- ✓ Easier selection of HARVEY Touch templates by providing separate HARVEY Touch blocks in the library for the standard templates
- ✓ Added example project for PTZ camera control via VISCA
- ✓ Faster scrolling in numeric up down fields using mouse wheel while holding ctrl key pressed (e.g. scroll in 1 dB steps instead of 0.1 dB)

HARVEY Pro Firmware 4.6.1
- ✓ Adds support for RC standby functionality to reduce brightness after a configurable timeout of non-usage.

HARVEY RC Firmware 4.6.1
- ✓ Adds standby functionality that allows to dim the RC module LEDs when not in use
- ✓ Improves stability when connecting to HARVEY Pro devices
- ✓ RC Firmware version numbering now follows general HARVEY versioning scheme
- ✓ Changed behavior: Brightness setting of 0 now switches off all LEDs on the RC module instead of keeping minimal brightness level.
- ✓ Version numbering of RC firmware adjusted to match overall HARVEY scheme.

Important notice: RC modules delivered with firmware 4.6.0 should be updated as they are not reliant when connecting to HARVEY devices.

HarveyTouch 4.6.1
- ✓ Multizone Template: Improves drag/drop positioning of buttons and icon scaling
- ✓ Multizone Template: Fixes editing of popup zone titles
- ✓ Mixer Template: Fix editing of bank switching button title
- ✓ Improves performance and stability when connecting HARVEY Pro device controls
- ✓ Fix: Inconsistent styling for selectors with more than 4 buttons

# Version 4.5.1

Compatible with HARVEY Pro firmware version 3.4.x — 4.5.x

Improvements
- ✓ Includes HARVEY firmware and HarveyTouch templates v4.5.1

Firmware 4.5.1
- ✓ Improve stability of HARVEY Touch deployment via integrated web server, when network connection is very slow (e.g. via Wifi, or VPN) – i.e. don't give up too early.

HarveyTouch 4.5.1
- ✓ Added more detailed loading status messages
- ✓ Fix: Touch Password protection cannot be disabled in HARVEY Composer
- ✓ Fix: Remove display of empty sidebar when running on target screen

# Version 4.5.0

Compatible with HARVEY Pro firmware version 3.4.x — 4.5.x

Improvements
- ✓ Added display for controller memory load
- ✓ Includes HARVEY firmware and HarveyTouch templates v4.5.0

Firmware 4.5.0
- ✓ Optimize memory management to allow larger projects to be loaded, e.g. including Harvey Touch GUIs with custom images.
- ✓ Show Dante mute alarm on device display
- ✓ Fix too early triggering of long press trigger
- ✓ Fix analog output channels being swapped in rare circumstances

HarveyTouch 4.5.0
- ✓ Add password protection
- ✓ Allow custom logo in Mixer Template
- ✓ HarveyTouch GUIs come without internet dependency

# Version 4.4.0

Compatible with HARVEY Pro firmware version 3.4.x — 4.4.x

Improvements

- ✓ Optimize project file space consumption when creating multiple HARVEY Touch interfaces using the same template.
- ✓ Avoid requests for user to enter some PowerShell command to provide permissions for HARVEY Touch local webserver in windows.

FIXES
- ✓ Fixed sporadic crashes of HARVEY Composer
- ✓ Fixed Composer erroneously requesting firmware update when presets contained link parameters
- ✓ Fixed crashes in HARVEY Composer firmware updater that occurred when HARVEY Pro device was not reachable after updating.

### Firmware 4.4.0

- ✓ Added Frequency Shifter block
- ✓ Fixed last Input Selector and Zone Control state not being restored correctly after powercycle.
- ✓ Fixed discovery issues where HARVEY Pro devices would not be visible in HARVEY Composer cockpit dropdown.
- ✓ Fixed short audio dropouts in Automixer

### HARVEY Touch 4.4.0

- ✓ Optimized Mixer and Multizone Templates for different screen sizes, including small smartphone screens.
- ✓ Added editing toolbar
- ✓ Mixer template: Added Input Selectors; Provided bank selection indicator
- ✓ Multizone template: Added zone list view, which is especially useful on small screens.

## Version 4.3.0

Compatible with HARVEY Pro firmware version 3.4.x — 4.3.x

NEW
- ✓ Added Frequency Shifter block
- ✓ Added HARVEY Touch Mixer and Multizone templates

### Firmware 4.3.0

- ✓ Added Frequency Shifter block

# Version 4.2.0

Compatible with HARVEY Pro firmware version 3.4.x — 4.2.x

NEW

- ✓ Added Logic-to-Alarm block which allows user defined alarm messages to be displayed on the device, representing logic states in the project.

IMPROVEMENTS

- ✓ Improve caching of HARVEY Touch framework web contents loaded from internet, allowing HARVEY Touch GUI to be displayed within HARVEY Composer even when internet is not available.

Firmware 4.2.0

- ✓ Display project alarm messages from Logic-to-Alarm block on front display
- ✓ Display alarm message on front display, when device is not in a fully running project state (e.g. device muted, project not loaded, project disabled)
- ✓ Show Alarm-Icon-Screensaver when alarm messages are present

# Version 4.1.1

Compatible with HARVEY Pro firmware version 3.4.x — 4.1.x

NEW

- ✓ Added example project on integration of FutureNow 12xGPIO module by P5

IMPROVEMENTS

- ✓ Added HARVEY Touch template versioning. Old web interface templates are now identified as "Classic Web".
- ✓ Improve loading and refreshing of HARVEY Touch GUIs in Composer
- ✓ Added load display for project file size to avoid problems caused by loading too large projects on HARVEY devices.
- ✓ Fixed race condition that caused crashing of project bird view or DSP load display to
- ✓ Color pickers remember custom color definitions in Notes, RC and Hypermatrix configuration windows.
- ✓ Improved description of the HARVEY Touch block in HARVEY Composer manual

Firmware 4.1.1

- ✓ Speed up project loading, especially for large projects containing HARVEY Touch web interfaces
- ✓ Fixed race condition that could cause messages to get lost in TCP Client

# Version 4.0

Compatible with HARVEY Pro firmware version 3.4.x — 4.0.x

NEW

- ✓ New "Automixer" block parameter to set the attenuation for inactive channels
- ✓ New "HARVEY Touch" block replaces the Web-Interface block to emphasize support for new HARVEY Touch App Framework GUIs that can also be distributed as native apps.

IMPROVEMENTS

- ✓ Import and Export in HARVEY Touch block now supports HARVEY Touch GUI (.htg) and Template files (.htt).

FIRMWARE 4.0

- ✓ Support for new Automixer attenuation parameter

# Version 3.9.1

Compatible with HARVEY Pro firmware version 3.4.x — 3.9.x

IMPROVEMENTS

- ✓ Web-Interface block avoids unnecessary reloads of web interface upon configuration change for HARVEY Touch App Framework web interfaces

FIRMWARE 3.9.1

- ✓ Improved Automixer opening time to ca. 30 ms
- ✓ Set Automixer attenuation fix to -40 dB (instead of muting)

# Version 3.9.0

Compatible with HARVEY Pro firmware version 3.4.x — 3.9.x

NEW

- ✓ Web-Interface block can now handle new generation of HARVEY Touch 2.0 web interfaces
- ✓ Added new example projects

FIXES

- ✓ Fixed ZoneControl Block handling if currently selected zone is being deleted

FIRMWARE 3.9.0

- ✓ UdpClient is now able to handle response messages from remote devices, e.g. by using an attached Serial-to-Logic block.
- ✓ Fixed handling of cascaded logic blocks (e.g. Logic-OR being attached to Preset).

  **NOTE:** This fix brings a minor change in behavior for the Preset blocks. The Preset block "active" output port will now explicitly act as a "trigger", i.e. upon preset activation the output will toggle between true/false and *not* remain true until the next preset is being executed.

# Version 3.8.5

Compatible with HARVEY Pro firmware version 3.4.x — 3.8.x

FIXES

- ✓ Fixed conversion of old projects that could fail under certain conditions.

FIRMWARE 3.8.5

- ✓ Fixed a problem in AES8 card initialization.

# Version 3.8.4

Compatible with HARVEY Pro firmware version 3.4.x — 3.8.x

NEW

- ✓ Web-Interface: Added *Flipflop Button* control to toggle FlipFlop states

FIRMWARE 3.8.2
*(No change in Firmware, so HARVEY Composer comes with Firmware 3.8.2.)*

# Version 3.8.2

Compatible with HARVEY Pro firmware version 3.4.x — 3.8.x

FIRMWARE 3.8.2

- ✓ Fixed a problem in AES2 card initialization affecting devices built June 2024 or later.

# Version 3.8.1

Compatible with HARVEY Pro firmware version 3.4.x — 3.8.x

FIXES

- ✓ Fixed Web-Interface connection errors caused by Level Meter Controls (v3.8.0 regression)
- ✓ Fixed inconsistent display of decimal places for Web-Interface Level fader.
- ✓ Fixed faulty value display of Level fader in Web-Interface block editing window when offline.
- ✓ Fixed awkward wire bundle routing after copy/paste in worksheet.

FIRMWARE 3.8.1

- ✓ Fixed possible stability issues could occur upon loading hypermatrix projects.

# Version 3.8.0

Compatible with HARVEY Pro firmware version 3.4.x — 3.8.x

NEW

- ✓ Added *TCP Client Block* to control projectors and other third-party hardware using TCP connections.
- ✓ Web-Interface: Added *New Long Press Button* control to execute preset calls after a button has been held pressed for a configurable time span

IMPROVEMENTS

- ✓ Changed the description of DMX ports
- ✓ Increase the available port number range for the *UDP Client Block* to 1-65535
- ✓ Improved layering of stack details and wire bundles of overlapping stacks on work sheet.

FIXES

- ✓ Fixed *UDP Client* ports being unavailable as *TCP Server* ports and vice versa
- ✓ Fixed DMX Control blocks "channel" expansion upon dropping a larger wire bundle on them
- ✓ Fixed holding project files locked on disk that have been closed in Composer.
- ✓ Fixed Serial Control blocks not adding new channels automatically on the work sheet (v3.7.1 regression)
- ✓ Fixed unnecessary reset of wiring layout after closing Connection Editor.
- ✓ Improved Level control fader scale to behave identical to the level faders in HARVEY Composer
- ✓ Fixed Composer error that occurred when aborting firmware update while the device was rebooting

FIRMWARE 3.8.0

- ✓ Added support for new TCP Client Block

# Version 3.7.1

Compatible with HARVEY Pro firmware version 3.4.x — 3.7.x

FIXES

- ✓ Fixes wires being connected in reverse order when dragging a wire bundle backwards onto a matrix block (v3.70 regression)
- ✓ Fixes audio dropouts in projects with high DSP load

# Version 3.7.0

Compatible with HARVEY Pro firmware version 3.4.x — 3.7.x

NEW

- ✓ Added *Timer Block* to trigger events after a specified time span
- ✓ Added *Long Press Trigger Block* to trigger events after a logic condition (e.g. a button press) has been held for a specified time span

IMPROVEMENTS

- ✓ Changed the description of DMX ports and updated the manual for all DMX blocks
- ✓ Improved Note editing

FIXES

- ✓ Fixes block settings windows which could open twice
- ✓ Fixes storage of projects containing Level Links
- ✓ Fixed locking of projects in file system that have been closed in Composer.
- ✓ Fixed inconsistencies in block wiring on the work sheet

FIRMWARE 3.7.0

- ✓ Added support for new Timer and Long Press Trigger Blocks
- ✓ Improved support for new Dante Brooklyn 3 Cards

# Version 3.6.0

Compatible with HARVEY Pro firmware version 3.4.x — 3.6.x

NEW

- ✓ Notes can be added in Composer onto the worksheet.
  (Usage: right click on worksheet, Add note)

IMPROVEMENTS

- ✓ Option to copy custom user description for port names from one project to another. Can be used when port descriptions where lost due to an already fixed bug in version 3.3.0
  (Usage: right click on open project tab, Copy port names from other project)
- ✓ The range of the peaking filter parameter Q is now extended from 1 to 0.5
- ✓ Right click on block will clearly separate between opening block or port properties

FIXES

- ✓ Fixed connecting ports from a level block to a RC4 which already had connected ports.
- ✓ Fixed some wire bundle drawing issues
- ✓ Fixed an error when manually connecting wires to hardware blocks
- ✓ When wire bundles were hidden in the worksheet adding a new bundle could fail unexpectedly.

FIRMWARE 3.6.0

- ✓ Added a check to prevent downgrading the firmware to a version which is older than the factory default.
- ✓ Supports projects containing user notes.

# Version 3.5.0

Compatible with HARVEY Pro firmware version 3.4.x — 3.5.x

IMPROVEMENTS

- ✓ Improved speed of wire routing significantly for complex projects.
- ✓ Automatic wire bundle routing optimizations can now be disabled for projects to further speed up drawing performance.

FIXES

- ✓ Fixed HARVEY Composing randomly freezing when showing the Cockpit window

FIRMWARE 3.5.0

- ✓ Fixed crashes caused by projects with a high parameter load (e.g., containing large matrixes) in combination with many presets or control clients.
- ✓ Fixed crash caused by Level-to-logic block connected to a not fully wired up ZoneControl block

**Warning:** Devices that have been shipped with Firmware 3.4.6 or 3.5.0 should not be downgraded version 3.4.5 or lower. Doing so may result in not functioning audio outputs. In those cases a factory reset or firmware upgrade will help.

# Version 3.4.5

Compatible with HARVEY Pro firmware version 2.2.x — 3.4.x

FIXES

- ✓ Fixed problems opening web interface in Composer with Hypermatrix projects
- ✓ Fixed cases of Composer losing the connection to HARVEY when loading a project

# Version 3.4.4

Compatible with HARVEY Pro firmware version 2.2.x — 3.4.x

FIRMWARE 3.4.4

- ✓ Fixed AES2 interface initialization which contained unwanted filter since 3.4.2

# Version 3.4.3

Compatible with HARVEY Pro firmware version 2.2.x — 3.4.x

FIRMWARE 3.4.4

- ✓ Fixed cases where HARVEY Pro device name would not be published correctly after boot (i.e. device did not show up in HARVEY Composer or on the device display)
- ✓ Fixed AES2 interface initialization which was broken in Version 3.4.2

# Version 3.4.2

Compatible with HARVEY Pro firmware version 2.2.x — 3.4.x

NEW

- ✓ Added support for the new HARVEY 12x12 Dante device

# Version 3.4.1

Compatible with HARVEY Pro firmware version 2.2.x — 3.4.x

FIRMWARE 3.4.1

- ✓ Improved web interface stability

# Version 3.4

Compatible with HARVEY Pro firmware version 2.2.x — 3.4.x

IMPROVEMENTS

- ✓ Improved handling of wire routing which could get locked up in larger projects. Wire bundles can now be routed at higher density.
- ✓ Opening the Web Interface block does not automatically create a default Interface.
- ✓ Improved RC4/RC12 firmware update wizard
- ✓ Updated HARVEY Composer manual to explain web interface template export/import

FIXES

- ✓ Fixed problem importing HARVEY mx.16 project files created with Composer 1.x
- ✓ Fixed Web interface template import to maintain the imported site configuration

FIRMWARE 3.4

- ✓ Fixed bug in web interface MAC address filtering that could cause crash of web server on HARVEY device, even if no MAC address filter was configured.
- ✓ Improved web interface MAC filter to respect individual MAC filter (white list) settings for multiple web interface blocks in one project.
- ✓ Added support for improved wire routing scheme

# Version 3.3.1

Compatible with HARVEY Pro firmware version 2.2.x — 3.3.x

FIXES

- ✓ Fix custom user descriptions (e.g. block input/output port descriptions) getting lost when loading project files with HARVEY Composer 3.3.0.

# Version 3.3

Compatible with HARVEY Pro firmware version 2.2.x — 3.3.x

**WARNING: HARVEY Composer 3.3.0 contains a project loading bug causing custom user descriptions to DSP blocks getting lost. Use Version 3.3.1 or later instead.**

IMPROVEMENTS

- ✓ When editing the Web interface the Block IDs are checked and wrong references are shown

FIXES

- ✓ When Composer was closed abnormally (e.g., power loss of the PC) it could leave a corrupted state and fail to start normally again
- ✓ Removing Input Selector Block channel that is currently could cause errors when opening the Input Selector settings or loading the project onto the device.
- ✓ Level meter in Web interface did not work correctly in Version 3.2.1 and left the web interface stuck in the loading phase.

FIRMWARE 3.3

- ✓ Line Out does not make a loud pop noise anymore after Harvey is switched on. This was an issue especially for HARVEY devices with Dante module.
- ✓ Fixed: When Phantom power was on and the channel was switched to Line the phantom power stayed on

# Version 3.2.1

Compatible with HARVEY Pro firmware version 2.2.x — 3.2.x

NEW

- ✓ Matrix block can be inserted into web interface
- ✓ Added import/export option for web interface templates to allow custom modification

IMPROVEMENTS

- ✓ Improved HARVEY connection speed after selecting device from cockpit dropdown
- ✓ Improved Web interface connection performance

FIXES

- ✓ Fixed registration of .hvy file extensions for HARVEY Composer
- ✓ Fixed HARVEY Composer crash caused by active preset notification after loading Hypermatrix project
- ✓ Fixed parameter copy/paste to update values in opened block parameter windows

FIRMWARE 3.2.1

- ✓ Fixed project loading errors when Dante interface is being operated in Redundant mode
- ✓ Fixed state synchronization in large Hypermatrix projects
- ✓ Fixed Level block links not working

# Version 3.1

Compatible with HARVEY Pro firmware version 2.2.x — 3.1.x

NEW

- ✓ New blocks for logic functions: "AND", "OR" and "XOR"
- ✓ "Zone Control" block now supports Logic, Level and DMX signals for delegation into different zones.
  *Note: A grey star port symbol indicates dynamic signal type support.*

IMPROVEMENTS

- ✓ Performance for Web interface level control Mute button has been improved
  *Note: To update existing web interfaces, open the Web Interface block for each project in Composer once (offline) before loading the project onto the device.*
- ✓ Performance when folding/unfolding all block details on the worksheet has been significantly improved for large projects
- ✓ The worksheet context menu now provides an option to hide wire bundles for the inactive layer (example: hide audio wire bundles when control layer is active).

*Note: This option will increase Composer worksheet performance in large projects and may help to resolve locked up wiring situations.*

FIXES

- ✓ Fixed "Out of memory" error that popped up when displaying very small scaled projects with bidirectional control wires
- ✓ Fixed F1 key from within block settings, which did not open the correct help chapter
- ✓ Fixed minor visualization errors for Level Block

FIRMWARE 3.1

- ✓ Added support for new logic blocks "AND", "OR" and "XOR"
- ✓ Fix: Renaming of HARVEY device did not show in the Dante network (e.g., in Dante Controller)

# Version 3.0

Compatible with HARVEY Pro firmware version 2.2.x — 3.0.x

NEW

- ✓ New processing block "Acoustic Echo Cancellation"

IMPROVEMENTS

- ✓ "Wind » Level" block: Instead of one window parameter there is now attack and release for the level smoothing.

FIXES

- ✓ Fixed error when showing single wires in the worksheet.
- ✓ Help showed the wrong article for the "Web-Interface" block.
- ✓ Fixed error when minimizing the settings window for the RC blocks

FIRMWARE 3.0

- ✓ Added new block type "Acoustic Echo Cancellation"
- ✓ Fixed error in "Wind » Level" which could cause level jumps.

# Version 2.9.2

Compatible with HARVEY Pro firmware version 2.2.x — 2.9.x

NEW

- ✓ To improve clarity on the worksheet, the context menu provides an option to hide wire bundles for which single wiring is visible.
  *Note: this option will also increase Composer drag+drop performance in heavily loaded projects.*

FIXES

- ✓ Fixed error that could block further modifications to the project due to a certain wiring constellation.

FIRMWARE 2.9.2.0

- ✓ **Important:** Fixed Hypermatrix nodes failing to interconnect after 49 days of uptime.
- ✓ Fixed stability issues that could be triggered by clients that closed connections without waiting for notifications after subscribing resources.
- ✓ Fixed project load errors that could occur after repeatedly loading projects containing multiple large matrix blocks.
- ✓ Fixed project load error that occurred in combination with Dante Domain Manager when Dante cable is unplugged.

# Version 2.9.1

Compatible with HARVEY Pro firmware version 2.2.x — 2.9.x

FIXES

- ✓ Fixed project load error that occurred in combination with Dante Domain Manager
- ✓ **Important:** Fixed possible Matrix block failure after HARVEY power-up.*

**Note: The matrix bug was introduced in HARVEY firmware v2.9. Upgrade to v2.9.1 is highly recommended to ensure proper Matrix functionality.*

# Version 2.9

Compatible with HARVEY Pro firmware version 2.2.x — 2.9.x

New

- ✓ New processing block "Wind » Level" allows audio levels to be controlled by wind speed and direction by attaching an external anemometer to the HARVEY voltage inputs.
- ✓ Added support for the new HARVEY 8x8 Dante AES8 device

IMPROVEMENTS

- ✓ Level Meters are grayed out when not connected
- ✓ Speed-up of large matrix parametrization

FIXES

- ✓ Fixed Error when loading Projects onto HARVEY with AES or Dante blocks being directly connected.

FIRMWARE 2.9.0.0

- ✓ Added new block type “Wind » Level”;
- ✓ Added support for HARVEY 8x8 Dante AES8 device
- ✓ Speed-up large Matrix parametrization.
  Example: It now takes less than 100 Milliseconds to unmute 128 matrix nodes via H-Text.

# Version 2.8

Compatible with HARVEY Pro firmware version 2.2.x — 2.8.x

New

- ✓ New “Level Up/Down” block that allows incremental level control using logic events, e.g. coming from RC12 buttons
- ✓ New “Zone Control” block allows to send controlling signals into different zones, based on zone selection.
- ✓ RC4 and RC12 got new “Switching” Mode for the button coloring. “Switching” mode allows the configuration of a second button color which will be switched when the status of an attached block changes, e.g. to indicate source or zone selection, flipflop or level mute state.

IMPROVEMENTS

- ✓ Improved readability of Dynamic block diagram texts
- ✓ Added little triangle/arrow indication on ports and wire bundles that are capable of return status

FIXES

- ✓ Fixed Error when switching mute on a device without having a project opened
- ✓ Fixed Copy/Paste error that could occur for RC4 and RC12 blocks

FIRMWARE 2.8.0.0

- ✓ Added support for new block types “Level Up/Down” and “Zone Control”
- ✓ Added support for RC color switching
- ✓ Fixed crash of H-Text communication service that could occur when control client sends multiple requests and then closes the connection without awaiting the response.

# Version 2.7.1

Compatible with HARVEY Pro firmware version 2.2.x — 2.7.x

IMPROVEMENTS

- ✓ Improved checks Hypermatrix configuration before sending project to device (i.e. device name, type, IP address and port of connected device are checked to match project configuration)

FIXES

- ✓ Fixed: Parameter separation did not always work correctly after releasing channels from a group.

# Version 2.7.0

Compatible with HARVEY Pro firmware version 2.2.x — 2.7.x

IMPROVEMENTS

- ✓ Dynamic, Ducker and AGC blocks show online status when used in connection with Firmware v2.7.0.0 or newer.
- ✓ Hypermatrix setup allows to override automatic device discovery by entering static IP addresses. That may be necessary in some networks which have restrictive routing or switch configurations.

  *Note: IP-Address/Port settings entered in the Hypermatrix setup must match those that are configured in the devices. Don't disable automatic device discovery if you have dynamic IP addressing (DHCP) configured in your device settings because the device addresses may then change on power cycle without notice.*
- ✓ Hypermatrix global mute switch produces warning if not all devices are connected

FIXES

- ✓ Fixed web interface block error message in recent versions of HARVEY Composer.
- ✓ DSP load indication has been improved for Hypermatrix projects

FIRMWARE 2.7.0.0

- ✓ Fixed Hypermatrix project loading which could fail for large projects due to internal timeouts.
- ✓ Provide online status for Dynamic, Ducker and AGC.
- ✓ Level-To-Logic block parameter "Hold Time" now only applies to the active state of the block, as is described in the manual. Previously also the inactive state was held.
- ✓ Fixed Dynamic block limiter to respect the configured threshold independent of the Dynamic block gain parameter.

# Version 2.6.0

Compatible with HARVEY Pro firmware version 2.2.x, 2.3.x, 2.4.x, 2.5.x, 2.6.x (not compatible with mx.16)

IMPROVEMENTS

- ✓ Project file path in Cockpit is displayed at mouseover
- ✓ Matrix block dimensions are reducible in properties dialog

FIXES

- ✓ Fixed weird scaling effects of HARVEY Composer on high resolution displays
- ✓ Fixed failing firmware update on devices running large matrix projects

FIRMWARE 2.6.0.0

- ✓ Speed up H-Text SET and SUB commands with H-Text transactions using new BEGIN/END statements
- ✓ Matrix block performance improved by up to 40%
- ✓ Fixed handling of invalid input selector configuration via H-Text

# Version 2.5.0

Compatible with HARVEY Pro firmware version 2.2.x, 2.3.x, 2.4.x, 2.5.x (not compatible with mx.16)

NEW

- ✓ Added RC12 control block

FIXES

- ✓ Fixed Composer lagging in projects with large presets

FIRMWARE 2.5.0.0

- ✓ Doubled DSP matrix block performance
- ✓ Added support for RC12 block
- ✓ Added H-Text command to store presets (see H-Text manual v2.5)
- ✓ Fixed fan control for temperatures >100°C
- ✓ Fixed issue that could cause HARVEY to hang in "booting…" state after power up

# Version 2.4.5 (release Jan 04th, 2020)

Compatible with HARVEY Pro firmware version 2.2.x, 2.3.x, 2.4.x (not compatible with mx.16)

FIRMWARE 2.4.5.0

- ✓ Updated support for devices with integrated fan

# Version 2.4.3 (release Dec 20th, 2019)

Compatible with HARVEY Pro firmware version 2.2.x, 2.3.x, 2.4.x (not compatible with mx.16)

FIRMWARE 2.4.5.0

- ✓ Added support for devices with integrated fan

# Version 2.4.2 (release Dec 20th, 2019)

Compatible with HARVEY Pro firmware version 2.2.x, 2.3.x, 2.4.x (not compatible with mx.16)

NEW

- ✓ Switched to new HARVEY Pro naming scheme
- ✓ Added support for all HARVEY Pro devices

FIXES

- ✓ Web Block configuration window will adapt size correctly when screen size changes to low resolution (e.g. when connecting laptop with video projector)
- ✓ Display of Input Selector with large number of inputs has been improved in Web Block editor.

FIRMWARE 2.4.2.0

- ✓ Default device name of HARVEY Pro devices contains MAC address to avoid duplicate names in network.
- ✓ Added display of current device temperature to Device Status screen
- ✓ Improved handling of internal SD card
- ✓ Improved DSP stability upon Dante card errors

# Version 2.3.0 (release Oct 7th, 2019)

Compatible with HARVEY Pro firmware version 2.2.x, 2.3.x (not compatible with mx.16)

NEW

- ✓ Added new processing block Input Selector
- ✓ Channels of processing blocks can go up to 64, Matrix up to 80
- ✓ Added Copy & Paste functionality
- ✓ Upgrade .Net Framework dependency to 4.5 (drop Windows XP support)
- ✓ "Beta" tag removed from Web Interface block

FIXES

- ✓ Matrix UI performance improved
- ✓ VU-Meter UI performance improved
- ✓ Cockpit interaction with RC4 fixed/improved
- ✓ Better robustness for online Hypermatrix projects

FIRMWARE 2.3.0.0

- ✓ Better robustness and corrections for Hypermatrix projects
- ✓ Better robustness for projects with many RC4

# Version 2.2.2 (release Jun 19th, 2019)

Compatible with HARVEY Pro firmware version 2.2.x (not compatible with mx.16)

NEW

- ✓ Added support for HARVEY 16x8 devices

FIXES

- ✓ Fixed error when opening device setup for devices with incompatible firmware.
- ✓ Fixed inconsistent behavior after opening block properties within wire connector form.

# Version 2.2.1 (release Jun 10th, 2019)

Compatible with HARVEY Pro firmware version 2.2.x (not compatible with mx.16)

NEW

- ✓ Project type Hypermatrix allows creation of projects with multiple HARVEY devices
- ✓ RC4-DMX block can connect RC4 wall panel with DMX channel
- ✓ New HARVEY device types have been added
- ✓ Dante interface adopts configured HARVEY device name
  **WARNING: Dante routing in existing projects has to be redone for devices receiving audio from HARVEY after update.**

IMPROVEMENTS

- ✓ Default lookahead for Dynamic, Ducker, AGC has been changed to 0ms

FIXES

- ✓ Fixed wire routing deadlocks in handling of some large projects
- ✓ Several minor stability fixes

# Version 2.1.4.0 (release Oct 12th, 2018)

Compatible with firmware version 2.1.x

FIXES

- ✓ Improved Copy/Paste within ID list

FIRMWARE 2.1.4.0

- ✓ Fix other control connections being affected/blocked by unreachable client (#2645)

# Version 2.1.3.0 (released Sep 25th, 2018)

Compatible with firmware version 2.1.x

NEW

- ✓ Password protection for project
- ✓ Support for HARVEY 4x0 Dante and HARVEY 0x8 Dante device types

FIRMWARE 2.1.3.0

- ✓ Support for HARVEY 4x0 Dante and HARVEY 0x8 Dante device types
- ✓ HARVEY 8x8: Improved DSP Performance
- ✓ HARVEY 8x8: Fixed Display not having power under rare boot conditions
- ✓ Improved HARVEY discovery speed with multiple HARVEY devices in the network
- ✓ Fixed condition causing hang up during boot, standing on "Booting…" on display in some cases
- ✓ Fixed network going through dynamic configuration during boot even if manual was supplied

# Version 2.0.4.0 (released July 25th, 2018)

Compatible with firmware version 2.0.x

NEW

- ✓ Support for new HARVEY generation devices (HARVEY 8x8, HARVEY 8x8 Dante) added.
- ✓ Conversion of projects between different device categories added (use dropdown below worksheet)
- ✓ RC4 remote control support added for new generation devices
- ✓ Project conversion support for very old projects (e.g. created using HARVEY Mentor 0.9.9.32)

FIXES

- ✓ Fixed display of DSP usage after performing undo/redo on worksheet
- ✓ Fixed Flipflop port naming after project load

FIRMWARE 2.0.4.0

- ✓ Support for new HARVEY generation devices
- ✓ Fixed renaming of mx.16 devices on user interface
- ✓ Fixed IP subnet handling

# Version 1.9.1.0 (released April 26th, 2017)

Compatible with firmware version 1.8.x, 1.9.x

NEW

- ✓ H-Text offers asynchronous Subscription/Notification mechanism

FIXES

- ✓ Fixed renaming of hardware i/o blocks (e.g. audio input, dante input, etc.)
- ✓ Fixed project converter when loading cobranet projects created with composer 1.2.x (e.g. example files from HARVEY homepage)

FIRMWARE 1.9.1.0

- ✓ Fixed H-Text stability issues
- ✓ Fixed spurious crossover bypass
- ✓ Fixed temperature false alarms (ERR07/ERR08) during boot
- ✓ Fixed DMX parameter problem during boot (ERR19/ERR01)
- ✓ Fixed error when loading large projects (web) from the device
- ✓ Improved overall control performance
- ✓ Improved webserver performance

# Version 1.8.6.0 (released January 5th, 2017)

Compatible with firmware version 1.8.x, 1.9.x

IMPROVEMENTS

- ✓ Improved loading performance of web interface projects

FIXES

- ✓ Fixed software update wizard which stopped working in version 1.8.3.1 when language was set to Chinese.

FIRMWARE 1.8.6.0

- ✓ Fixed several firmware initialization bugs which would cause system boot or project loading to fail under rare circumstances.
- ✓ Fixed network configuration bug which caused manual IP address settings not to be applied properly in some cases.
- ✓ Fixed TCP and serial block parameters not being loaded properly after having been changed online

## Version 1.8.3.1 (released June 20th, 2016)

Compatible with firmware version 1.8.x, 1.9.x

IMPROVEMENTS

- ✓ Updated Chinese User Interface translations

## Version 1.8.3 (released April 1st, 2016)

Compatible with firmware version 1.8.x, 1.9.x

NEW

- ✓ Added Web-Interface block
- ✓ Added DMX >> Logic block
- ✓ Added DMX >> Gain Control block

## Version 1.7.1 (released August 28th, 2015)

Compatible with firmware version 1.7.x

IMPROVEMENTS

- ✓ Significant speedup of large parameter updates in Composer upon parameter changes in the HARVEY device (e.g. through preset call).

FIXES

- ✓ Fixed incomplete update of Composer windows after calling a preset containing a large number of parameters (e.g. including DMX or large Matrix block)

## Version 1.7.0 (released August 13th, 2015)

Compatible with firmware version 1.7.x

IMPROVEMENTS

- ✓ Ask user what to do if a bundle is dragged on a block which does not provide enough channels or where some of the channels are already connected.

FIXES

- ✓ Fixed various errors in Preset view
- ✓ Fixed crashes on Windows XP
- ✓ Fixed problems when removing channels from Automixer
- ✓ Fixed undefined behaviour of open parameter panels and presets which occurred in some cases after changing project layout.
- ✓ Fixed Undo-Button in DMX Parameter panel

- ✓ Fixed Crash that occurred when dragging control wire backwards on Automixer

## Version 1.6.0 (released April 9th, 2015)

NEW

- ✓ DMX Parameters are settable through parameter dialog (#736)
- ✓ DMX Parameters may now be added to presets (#735)
- ✓ Added DMX Fadetime parameter (#737)
- ✓ Added Support for HARVEY Firmware 1.7

## Version 1.5.0 released January 28th, 2015)

Compatible with firmware version 1.6.0

IMPROVEMENTS

- ✓ Added new block "UDP Client" to control library
- ✓ Renamed the former block "Ethernet Interface" to "TCP Server"
- ✓ Added new block "Toggle Flip-Flop" (T-FlipFlop) to control library

## Version 1.4.0 (released October 1st, 2014)

Compatible with firmware version 1.5.0

IMPROVEMENTS

- ✓ Added Audinate´s Dante multi-channel networking technology with support for additional 16x16 digital audio channels (HARVEY Dante device variant required)
- ✓ New functional block Automatic Volume Control (AVC) (AVC function requires specific AVC firmware variant)
- ✓ New human readable control protocol named "H-Text" supporting Ethernet and serial interface blocks RS232 and RS485
- ✓ Added Chinese language support in Composer installer and application

FIXES

- ✓ Fixed problems that occurred when opening projects which were created on a Windows system with different language/culture settings
- ✓ Fixed automatic route creation for HARVEY devices in the local network with an unreachable IP configuration on Windows 7
- ✓ Fixed Harvey Route Service crash on non-German Windows systems

# Version 1.2.2 (released December 10th, 2013)

IMPROVEMENTS

- ✓ Added performance estimation for Firmware 1.3.1

FIXES

- ✓ Fixed crash caused by a combination of deleting an input block on the worksheet and opening the connection dialog for another input block.
- ✓ Fixed crash caused by deleting a link while having its link dialog opened.
- ✓ Fixed font and layout problems in Chinese Windows 7.
- ✓ Fixed number boxes for language environments using a dot as decimal separator, e.g. English or Chinese.
- ✓ Fixed crash caused by dragging wires from hardware ports.
- ✓ Fixed bundle connecting problems which occurred after accidentally dragging the bundle beyond the stack which it was supposed to be connected to.

# Version 1.2.1 (released August 19th, 2013)

FIXES

- ✓ Fixed problems of block transparency on the worksheet not being reset correctly when switching from preset tab to library or other tabs in the side bar.