

# AmpBender Changelog

Version History from v1.0.4 to v1.0.61

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## v1.0.61

Feature

### AutoGain Overhaul + Mono Standalone

- AutoGain now uses synthetic-only calibration for consistent results
- No more volume surprises when switching presets while notes decay
- Standalone defaults to mono input (centered to both speakers)
- Variac knob scalloped edge now rotates with pointer
- Fixed Heath Audio logo click area overlap
- AutoGain tracks variac/bias parameter changes

## v1.0.46

Fix

### Windows WebView2 Startup Fix

- Resolved WebView2 startup jank on Windows
- Smoother plugin load in DAWs like Studio One

## v1.0.40

Feature

### Hybrid AutoGain System

- AutoGain with -18dB RMS target (later changed to unity in v1.0.61)
- Patchbay-aware gain compensation
- Smooth 2-second transitions
- Automated manual updates in CI/CD

## v1.0.38

Feature

### Smart Cable Routing

- Intelligent cable routing in patchbay
- Cables bend consistently to avoid overlapping nodes
- UI polish improvements

## v1.0.32

Feature

### Panel Animations

- Smooth panel expand/collapse animations
- ResizeObserver-based responsive layout
- UI polish throughout

## v1.0.28

Performance

### Load Time Optimization

- Eliminated visible resize flash on plugin load
- GPU-accelerated meters and spectrum analyzer

## v1.0.25

Feature

### UI Polish

- Improved usability throughout
- Better visual feedback
- Refined control interactions

## v1.0.22 - v1.0.24

Performance

### Cable & CSS Performance

- CSS optimization for Mac performance
- Simplified patchbay jack CSS
- Fixed cable drawing at all window scales
- Cross-platform cable coordinate fix

## v1.0.21

Feature

### Windows Installer Icon

- Custom installer icon for Windows
- UI improvements

## v1.0.17 - v1.0.19

Fix

### Oversampling Stability

- Real-time oversampling enabled
- Hot-switch without bypass
- DSP-only tests added

## v1.0.16

Feature

### Input Calibration Reference

- Added gain staging documentation
- -6 dBFS = 1Vp reference level
- Proper input trim guidance

## v1.0.9 - v1.0.15

CI/CD

### Build Infrastructure

- Switched to InnoSetup for Windows installer
- Self-hosted runners for faster builds
- Puppeteer PDF generation

- macOS permission fixes

## v1.0.4 - v1.0.8

[Fix](#)

### Initial Release Fixes

- Windows/macOS installer fixes
- WebView2 cache issues resolved
- Binary permissions corrected
- CI/CD pipeline established