



RAVENNA Virtual Sound Card for Windows (WDM)

Version: RAVENNA Suite 1.2-0.36.0.8391

Date: Feb 24, 2015 – 18:41:21 PM

RAVENNA Suite 1.2, version 0.36.0.8391

Major Changes

- Major GUI rework

Fixes

- Fixed several installation issues
- Fixed several streaming issues

Improvements / New Features

- Added support for Intel i350 NIC

Version 0.31.0.8004

Major Changes

- Minor version changed to 0.31

Fixes

- Fixed various potential deadlock conditions (RTSP, RTCP, IPC)
- Fixed various minor bugs w/ stream / audio I/F configuration, in Bonjour and in web UI
- Fixed some installation issues

Changes

- Changed “sinks” to “destinations”

Improvements / New Features

- Automatic restart of butler + streamer in case of streamer crash
- Improved stream setup & automatic stream restart
- Added preliminary EmBer+ support (no official release yet)
- Logging improvements



Version 0.30.0.7696

Major Changes

- Minor version changed to 0.30
- Configuration file backward compatibility limited to ≥ 0.27 - config files from older (pre-release) versions are not supported anymore

Fixes

- Fixed issue with expired driver certification
- Minor fixes in WebGUI
- Fixed IGMP issues upon stream destruction
- Fixed leak in RTSP & RTCP sockets in case of dead connections

Improvements / New Features

- Logging enhancements

Version 0.27.0.7538

Fixes

- Fix no. of capture and playback devices issue and undetected inactive NIC
- Delete RVSC device registry keys prior to create the new ones
- Fixed program folder issue during installation on 32-bit systems
- Fixed some logging issues
- Fixed typos, i.e. corrected IEE1588 to IEEE1588 et al

Version 0.27.0.7460

Major Highlights

- Synchronized stream reception added ("Livewire legacy mode"): streams not synchronized to absolute time (but being synchronized frequency-wise) can now be received
- Easy configuration for Livewire legacy stream reception: just enter 'livewire:<livewire channel number>' into source field
- Added detection / easy configuration for AES67-compatible streams
- Number of channels per WDM device can now be configured during installation (better compatibility with older applications using DirectSound API)

Improvements / New Features



- distinguish between PTP event messages and PTP general messages for DSCP value according to ODVA recommendation, change default DSCP to 56 (CS7) for PTP event message / to 46 (EF) for PTP general messages
- improved SDP parsing / display and basic AES67 compatible stream detection in web ui + some cleanups
- added channel names related to a stream to the SDP (i=<channel_name>)
- colored SDP icon in case the SDP does not contain a clock-source attribute (= can be received in syntonized mode at best)
- missing clock-source attribute in SDP now indicates syntonized stream mode
- locally generated SDPs for Livewire standard streams via a new URI format 'livewire:<livewire channel number>' as source
- increased performance by requesting the discovered sessions only when the dropdown is opened by the user (instead of always)
- channel count of WDM devices can now individually be configured during installation

Changes

- added COPYFLG_NOVERSIONCHECK to prevent message box at driver installation
- multicast address allocation is now properly encapsulated and much more straightforward
- avahi / bonjour wrappers completely rewritten
- discovery and resolution separated into distinct steps in the ad (advertising / discovery) module
- discovered services / sessions removed from the config tree; web client now requests and resolves services and sessions on demand
- moved session id creation into SDP realm (where it really belongs to), allow source session id to be alphanumeric
- default codec of a new source is now L24

Fixes

- removed non-conforming extra space before CRLF in HTTP/RTSP request (fixes HTTP/RTSP compatibility with very strict servers)
- Don't show error message box if "mDNS" firewall rule can't be deleted (happens when Apples Bonjour was already installed and thus our mDNS couldn't be installed)
- calculation of valid frame_size depending on audio_block_size
- wrong detection of channel collision if only the source was changed through drop-down list in the web UI
- 'unsafe:' prefix in rtsp URI (in web UI) - subtype wasn't evaluated
- bonjour always requires a domain in the resolve call; if no domain is given '.local' is assumed
- start / looping problem in case of empty sdp



- layout / line break handling of SDP text
 - digest iterations problem on creating sinks / sources in IE
 - allow TTL values up to 255 in multicast address input field
 - unexpected stopping of stream when current configuration is not valid any longer (i.e. SDP not available anymore)
-

Version 0.27.0.7231

Major Highlights

- 1st publicly released version