Current Firmware Revision: 2.14

The following notes provide the revision history and a list of known firmware issues in the current release.   For more information, please call your Extron Application Engineer.

Updated: July 17, 2012

Extron Products Affected:

DVS 304	DVS 304 A
DVS 304 D	DVS 304 AD

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TECH NOTES

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Firmware Upload – Make sure the DVS 304 is plugged in and powered on before attempting to upload firmware. Do not make any front panel adjustments or remove power during the firmware upload process. Removal of power during the firmware upload process may result in improper upload or damage to the unit. Once the new firmware has uploaded, the DVS 304 will automatically restart.

After the firmware has been loaded and the unit restarts, it is strongly recommended that a factory reset is performed using one of the following methods:
- Through Telnet or DataViewer issue a Zap: ESC zXXX ↵
- Power cycle the unit while holding the Input 1 button
- Using the Extron Signal Processing Products Control Program, click on "Reset to Factory Defaults" under the "Tools → Reset" menu

Warning: All user settings, including presets, will be erased when upgrading the firmware. Please make note of all important values prior to uploading this firmware.

WARNING: Configuration files saved on DVS 304 firmware 1.21 or older cannot be restored on a unit running 1.27 or greater.
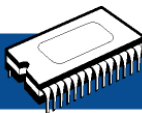
KNOWN ISSUES

The following is a list of known firmware issues found in the DVS 304 Version 2.14

Manual or automatic Auto-Image™ sets Picture Controls to default – When initiating a one-time, or an automatic Auto-Image, the DVS 304 DVI will set all Picture Controls for the current input signal back to their default values. These settings include Brightness, Contrast, Color, Tint, and Detail.

Input 2 does not support progressively scanned SMPTE HDTV component inputs with a vertical refresh rate below 50Hz –Input 2 does not support 720p and 1080p input resolutions with a refresh of 23.98/24/25/29.97/30Hz. These refresh rates are accepted on Input 4, as long as the input type is set for YUVp/HDTV (not Auto Detect).
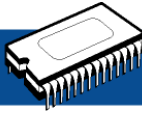
FIRMWARE RELEASE HISTORY

Released Version: 2.14

        Affects: **Firmware Revision:** 2.03 and prior
                                           Date: Units shipped prior to July 17, 2012

The following is a list of changes and fixes in this release.

Corrected video artifact at 1024x1024 output resolution – When the DVS 304 was set to output 1024x1024 / 60Hz and a low-resolution input was applied, video artifacts in the form of lines through the output could be visible. This issue has been resolved.

Corrected Auto Memory logic to not share Picture Control settings – Some picture control settings, such as Detail, were formerly shared between multiple Auto Memory locations. Starting with DVS 304 firmware v2.14, each Auto Memory location will store unique Picture Control settings for each input resolution.

Corrected "Std" response from "I" information query via SIS – The "I" SIS query returns many status parameters including the current video standard ("Std"). Starting with DVS 304 firmware version 2.14, a "Std0" response will indicate no active input, a "Std-" will indicate an active RGB or YUVp/HDTV input, and a "Std1" through "Std4" will indicate an active low-resolution input, along with its video standard.

Corrected the inability to mute Input 1 under specific conditions – When a DVS 304 was set up in a specific manner, commands to mute video Input 1, would return a proper response, but have no effect on the video output. This issue has been resolved.

Improved detection of 1920x1080 VESA and 1080p SMPTE input resolutions – Routines for detecting 1920x1080 VESA and 1080p SMPTE input rates have been modified for improved performance.

Corrected output timings for 720p, 1080i and 1080p to match SMTPE specifications – Incorrect output timings for these rates caused, in some circumstances, detection issues with downstream devices. These timings have been improved to more closely adhere to the SMPTE specifications.

Updated the Refresh Lock feature for more stability – In some cases, leaving the Refresh Lock feature on for an extended period of time could lead to an unstable state. This issue has been resolved.

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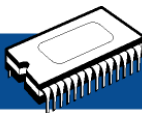
Improved Auto-Image function to better size and center inputs – The DVS 304's Auto-Image functionality has been improved to better center dark, noisy, or non-standard input signals.

Improved video output stability - Under non-standard operating conditions, the video output and/or the sync output could incorrectly mute over time. DVS 304 firmware v2.14 implements specific stability improvements to prevent these states.

Removed legacy 1400x900 60Hz and 1280x960 60Hz from the input lookup table and replaced them with 1600x900 60Hz DMT and 1600x900 60Hz CVT Reduced input rates – The uncommon legacy input rates of 1400x900 60Hz and 1280x960 60Hz were replaced by the increasingly popular 1600x900 60Hz DMT and 1600x900 60Hz CVT with reduce blanking input resolutions.
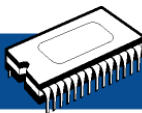
FIRMWARE RELEASE HISTORY

Released Version: 2.03
               Affects: **Firmware Revision:** 2.03 and prior
                                             Date: May 25, 2010

The following is a list of changes and fixes in this release.

Corrected automatic Auto Image logic to match other Extron products —
When the "global" Auto Image function was enabled; an auto image was not triggered at each power cycle, input switch or when switching between two sources of the same resolution.

Added Aspect Mode command to enable advanced Aspect Ratio control — A new Advanced Config setting "Aspect Mode" has two settings to allow for exact Aspect Ratio control of applied inputs. In the default "Follow" mode, the DVS will apply automatic aspect ratio adjustments to maintain correct aspect ratio for newly applied signals. In the "Fill" mode, each newly detected input will fill the entire output raster, regardless of input or output aspect ratio. Since Auto Memories have priority over the Aspect Mode control, a unit reset (ZAP) is strongly recommended after uploading DVS 304 firmware v2.03.