



XVP-1801

NOTE: The iControl compatibilities shown below are estimated initial support. iControl versions that are older than those specified may prevent the GUI from opening or may work with bugs and limited features.

FIRMWARE VERSION: 141

Release date: [2012-01-17](#)

iControl compatibility: [3.72 \(build 42\)](#), [4.02 \(build 056\)](#) and up

iControl Solo compatibility: [3.72 \(build 21\)](#) and up

RCP-200 compatibility: [1.00](#) and up – see limitations below

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

BUG CORRECTION

Bug #	Description
Defect 001-00- 004464	XVP-1801 Audio Distortion at the output Some embedded audio sources (as Motorola 5000) do not follow SMPTE 291M for the DBN (Data Block Number) generation. DBN should count from 1 to 255 as per SMPTE 291M, but some sources count from 0 to 255 which is not correct. This caused periodic audio glitches at the output of the XVP-1801. The XVP-1801 firmware has been modified to support these sources.
Defect 001-00- 007172	Support for Sony PDW700 camera SD output audio distribution The SD embedded audio coming out of the Sony PDW700 camera has 8 audio samples on some video lines, which does not follow SMPTE 272M. This caused audio glitches at the output of the XVP-1801. The XVP-1801 now support that kind of audio distribution.



FIRMWARE VERSION: 140

Release date: 2011-01-25

iControl compatibility: 3.72 (build 42), 4.02 (build 056) and up

iControl Solo compatibility: 3.72 (build 21) and up

RCP-200 compatibility: 1.00 and up – see limitations below

Hardware incompatibility: This firmware applies to all existing hardware assembly.

ENHANCEMENTS & NEW FEATURES

Bug#	Description
30201	<p>Add 704/720 pixels selection from HD to SD in the video output advanced menu in Icontrol.</p> <p>Added a parameter to select between 720 or 704 output pixels when converting from HD to SD. This makes the output image narrower and reduces the anamorphism when encoding with 704 pixels in ATSC applications. This parameter has no effect when converting from SD to SD.</p>

BUG CORRECTION

Bug#	Description
30253	<p>Wrong Channel Status encoding in HD</p> <p>When the SD Embedding was set to 20-bit audio, it would adversely set the HD channel status bit to 20-bit when the output format is HD. The issue was corrected to ignore this parameter in HD as the audio is always 24-bit.</p>

KNOWN BUGS & LIMITATIONS

Bug#	Description
30201	<p>This new 720/704 pixels parameter is not selectable from card edge menu. The current version of RCP-200 does not support the above new feature.</p>