

## Polycom<sup>®</sup> HDX

### Software version 2.5 hardware revisions

With the HDX 2.5 software release enhancements were made to the HDX 8000 series and HDX 7002 series hardware. This addresses some of those enhancements.

This new software supports the Revision (Rev) B hardware of the HDX 8000 series and HDX 7002 series codecs. To identify the hardware of an existing system, go to the System Information (3) page from the System page, the Hardware Version A or B will be indicated. This parameter is displayed when HDX software version 2.5 or higher is installed on the system.

Given new hardware requires different software to support the new functionality the Rev B hardware requires the 2.5.0.2 software or later for the HDX 8002, HDX 8004 and HDX 7002 series. The HDX 8006 can use 2.5 or higher, however it is recommended that all HDX systems use the current HDX software which is posted at the downloads section of the public Polycom website under support, [www.Polycom.com/support](http://www.Polycom.com/support).

HDX 8000 series codecs shipping from Q1/Q2 2009 with the Rev B hardware will be able to code and decode People video inputs up to 1080p/30fps, which includes 720p/60fps. Whereas the Rev A hardware can code and decode up to 720p/30fps. The HDX 8006 ships with the EagleEye 1080, a camera which provides 1080p video. Resolutions of 1080p can be achieved when the Video Quality on the video input is defined as "Sharpness". The HDX 8002 and HDX 8004 ship with the EagleEye HD which provides 720p/60fps when used with Rev B hardware and the Video Quality on a video input is defined as "Motion".

The currently shipping HDX 7002 series with the Rev B hardware does not have a change in the coding and decoding functionality of the system.

Content is not affected by Rev B hardware.

With the new Rev B hardware, the HDX 8000 series systems will also have a change in behavior for the main monitor video layout options. When Dual Monitor Emulation (DME) has been enabled on the main

monitor, the option to see three PIPs simultaneously (near end people, far end people and content) will no longer be available by default. This behavior change is required to support the capability of encoding and decoding the higher 720p60fps and 1080p30fps resolutions and frame rates. If you would like to restore the three PIP capability and disable the 720p60fps and 1080p30fps capability, enter the following telnet API command:

```
dme3wayenable <yes|no>
```

This command is for use on Port 24. Reboot the system immediately after changing this setting. The specified setting persists across reboots. Please refer to the HDX IRM (Integrator's Reference Manual) for use of telnet API commands.

Another change on the HDX 7000 series and HDX 8000 series includes the display cables provided in PAL countries. With the HDX 2.5 software these platforms whose inputs are defined as People can support HD inputs up to 1080p. The outputs of these systems can also support 1080p outputs and so both NTSC and PAL systems now ship with the output defaulted to component 1080p. Previously the PAL systems shipped defaulted to 720p on the VGA output. So all HDX 7000 series and HDX 8000 series ship with a component cable which has a DVI-I connector with stereo audio on the codec end and three x RCA for YPbPr and stereo audio on the display end and is three meters long.

There are additional enhancements to the hardware on the HDX 7000 series and HDX 8000 series systems which include the addition of a real-time clock, added based upon customer feedback.