

# HD products firmware update package

## PUF v2.03.xx

### Included firmware

|                                                 |                   |               |
|-------------------------------------------------|-------------------|---------------|
| Crestron HDMI 1:2 DA                            | HD-DA-2           | 1.987.39463   |
| Crestron HDMI 1:2 DA FPGA                       | HD-DA-2           | 136           |
| Crestron quad HDMI 1:2 DA                       | HD-DA-2-QUAD      | 4.002.0719    |
| Crestron quad HDMI 1:2 DA operational config    | HD-DA-2-QUAD      | 1.0.44        |
| Crestron HDMI 8x2/8x1 switch                    | HD-MD8x2/HD-MD8x1 | 4.002.0719    |
| Crestron HDMI 8x2/8x1 switch operational config | HD-MD8x2/HD-MD8x1 | 1.0.44        |
| Crestron HDMI/RGB input video scaler            | HD-SCALER         | 1.1199.26322* |

\* Indicates updated version compared to previous PUF release

### Software tool compatibility requirements

The following SW Tool versions (or higher) are required:

|                       |           |
|-----------------------|-----------|
| Device Database (DDb) | 33.05.007 |
| SIMPL Windows         | 2.11.27   |
| Crestron Toolbox      | 2.25.069  |

### New features

- HD-SCALER firmware release

### Issues fixed

None. New product release only.

### Open issues

#### HD-SCALER

- Reduced Blanking input causes video defect with 480p output in 1 to 1 aspect mode.

#### HD-MD8x1/8x2

- Firmware cannot be updated via Cresnet. Must use Ethernet or USB direct connection.
- Softly audible “pop” may be heard when switching breakaway audio.

#### HD-DA-2-QUAD

- “HDCP check not performed” message not being cleared when HDCP KSV limit is manually set in DMTool
- When upgrading from OOTBF version 1.0.35 (PUF 2.01), EDID group settings may be lost.

# HD products firmware update package

## PUF v2.02.xx

### Included firmware

|                                                 |                   |              |
|-------------------------------------------------|-------------------|--------------|
| Crestron HDMI 1:2 DA                            | HD-DA-2           | 1.987.39463* |
| Crestron HDMI 1:2 DA FPGA                       | HD-DA-2           | 136*         |
| Crestron quad HDMI 1:2 DA                       | HD-DA-2-QUAD      | 4.002.0719*  |
| Crestron quad HDMI 1:2 DA operational config    | HD-DA-2-QUAD      | 1.0.44*      |
| Crestron HDMI 8x2/8x1 switch                    | HD-MD8x2/HD-MD8x1 | 4.002.0719*  |
| Crestron HDMI 8x2/8x1 switch operational config | HD-MD8x2/HD-MD8x1 | 1.0.44*      |

\* Indicates updated version compared to previous PUF release

### Software tool compatibility requirements

The following SW Tool versions (or higher) are required:

|                       |           |
|-----------------------|-----------|
| Device Database (DDb) | 27.01.004 |
| SIMPL Windows         | 2.11.27   |
| Crestron Toolbox      | 1.22.109  |

### New features

- 3D TV support added for all products included in this release.

### Issues fixed

#### HD-DA-2

- CEC pass through not functioning properly
- Output LED's not turning green when passing video

#### HD-MD8x1/8x2

- Not providing correct feedback on deep color mode

#### HD-DA-2-QUAD

- EDID feedback to DMTool is incorrect following restore (actual behavior is correct)

### Open issues

#### HD-MD8x1/8x2

- Firmware cannot be updated via Cresnet. Must use Ethernet or USB direct connection.
- Softly audible "pop" may be heard when switching breakaway audio.

#### HD-DA-2-QUAD

- "HDCP check not performed" message not being cleared when HDCP KSV limit is manually set in DMTool
- When upgrading from OOTBF version 1.0.35 (PUF 2.01), EDID group settings may be lost.

# HD products firmware update package

## PUF v2.01.xx

### Included firmware

|                                                 |                   |              |
|-------------------------------------------------|-------------------|--------------|
| Crestron HDMI 1:2 DA                            | HD-DA-2           | 1.947.18304* |
| Crestron HDMI 1:2 DA FPGA                       | HD-DA-2           | 136*         |
| Crestron quad HDMI 1:2 DA                       | HD-DA-2-QUAD      | 4.002.0628   |
| Crestron quad HDMI 1:2 DA operational config    | HD-DA-2-QUAD      | 1.0.35       |
| Crestron HDMI 8x2/8x1 switch                    | HD-MD8x2/HD-MD8x1 | 4.002.0614   |
| Crestron HDMI 8x2/8x1 switch operational config | HD-MD8x2/HD-MD8x1 | 1.0.34       |

\* Indicates updated version compared to previous PUF release

### Software tool compatibility requirements

The following SW Tool versions (or higher) are required:

|                       |           |
|-----------------------|-----------|
| Device Database (DDb) | 27.01.004 |
| SIMPL Windows         | 2.11.27   |
| Crestron Toolbox      | 1.21.47   |

### New product support

HD-DA-2 1:2 HDMI DA with audio injection and extraction

### Issues fixed

No change to existing firmware

### Open issues

HD-DA-2-QUAD

- After reboot, you must wait two minutes before connecting with DMTool. Otherwise, DMTool may report incorrect settings. Actual settings stored by the HD-DA-2-QUAD are unaffected.
- After system restore, DMTool will incorrectly display no checkmarks on input 2 EDID screen

HD-MD8x1/8x2

- Firmware cannot be updated via Cresnet. Must use Ethernet or USB direct connection.

# HD products firmware update package

## PUF v2.00.xx

### Included firmware

|                                               |                   |            |
|-----------------------------------------------|-------------------|------------|
| Crestron quad HDMI 1:2 DA                     | HD-DA-2-QUAD      | 4.002.0628 |
| Crestron quad HDMI 1:2 DA operational config  | HD-DA-2-QUAD      | 1.0.35     |
| Crestron HDMI 8x2/8x1 matrix switch           | HD-MD8x2/HD-MD8x1 | 4.002.0614 |
| Crestron HDMI 8x2/8x1 matrix switch op config | HD-MD8x2/HD-MD8x1 | 1.0.34     |

### Software tool compatibility requirements

The following SW Tool versions (or higher) are required:

|                      |           |
|----------------------|-----------|
| Device Database(DDb) | 27.01.004 |
| SIMPL Windows        | 2.11.27   |
| Crestron Toolbox     | 1.20.051  |

### Issues fixed

#### HD-DA-2-QUAD

- Improved HDMI interface compatibility
- Unit crashes after HDCP check
- Implemented AVMMute capability
- EDID mode “best common” not functioning correctly
- Join “HDMI.Disabled by HDCP” improperly active after HDCP check

#### HD-MD8x1/8x2

- Improved HDMI interface compatibility
- Update request blanks video

### Open issues

#### HD-DA-2-QUAD

- After reboot, you must wait two minutes before connecting with DMTool. Otherwise, DMTool may report incorrect settings. Actual settings stored by the HD-DA-2-QUAD are unaffected.
- After system restore, DMTool will incorrectly display no checkmarks on input 2 EDID screen

#### HD-MD8x1/8x2

- Firmware cannot be updated via Cresnet. Must use Ethernet or USB direct connection.

## **Revision History – HD-MD8x1 and 8x2**

Build 4.002.0532

12/22/2009 1:01PM

Resolved: HDCP check fails with a Philips DVD player

Resolved: Device generates constant update request over Cresnet

I2C fixes for EDID corruption

Has check for non-volatile configuration register for EDID on powerup, will be corrected if corrupted.

Build 4.002.0385 / 4.002.0386 (Identical code)

7/15/2009 3:54PM

Resolved: multiple Cresnet problems

Resolved: FPGA does enable DDC properly

Resolved: deep color joins not working

Add support for batching TJI requests

Resolved issue with the switcher not reconnecting to the peer.

Update the SETXXXRoute commands to accept 0 for breaking the connection

Bypassed FPGA for sync detect

Build 4.002.0318

5/20/2009 10:16AM

Resolved: UUT enters a state where front panel controls stop working

Resolved: Output LED turn-on time varies and it does not blink

Resolved: After a reboot under Cresnet inputs must be reselected

Resolved: 8x2 fails to respond to TSID cmd All Clear - Packet FF0300

Resolved: Console cmd Shortmessage does not work

Build 4.002.0260

April 08, 2009

Resolved: System unresponsive after program load

Resolved: MULTI SERIAL packets not handled when 8X2 is interfacing with peer controller over Cresnet

Resolved: Join "HDMI.EDID Valid" stays HI if a destination device is disconnected

Resolved: KSV test hangs up

Resolved: Join "HDMI.EDID Valid" stays HI if a destination device is disconnected

Build 4.002.0228

March 09, 2009

First release of the firmware for the HD-MD8X2, HD-MD8X1

## **Revision History – DA-2-QUAD**

Build 4.002.0393

July 23, 2009

Resolved: Unit not rebooting after upgrade

Build 4.002.0388

July 21, 2009

Resolved: After power up in full configuration, long delay or no video

Build 4.002.0373

July 09, 2009

Resolved: Toolbox -> Functions -> Device Info -> Firmware reports back incorrect info

Resolved: Err log shows an error after rebooting

Resolved: Non-implemented console cmds present

Resolved: Daisy chaining inputs and outputs resulted in a loss of audio

Build 4.002.0310

May 13, 2009

First release of the firmware for the HD-DA-2-QUAD