



## Release Notes

### Telepresenter M4

Version 5.4.8

*(Software Updates)*

September 29th, 2015

#### NCast Support

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*Thank you for purchasing NCast products*

## **Introduction**

This note covers the changes to software in the NCast Telepresenter products.

### ***Software Updates***

You may obtain the most current software by clicking the UPDATE button in the Telepresenter Configuration menu.

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### **Version 5.4.8 changes**

**September 29th, 2015**

#### *New features*

Added GS and VS serial commands to report signal resolution and type.

#### *Bug Fixes*

No bugs.

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### **Version 5.4.7 changes**

**April 14th, 2015**

#### *New features*

Added Google Calendar API v3 support to scheduler.

#### *Bug Fixes*

No bugs.

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### **Version 5.4.6 changes**

**December 2nd, 2014**

#### *New features*

This is a maintenance release only.

#### *Bug Fixes*

iCalendar fix.

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### **Version 5.4.5 changes**

**November 25th, 2014**

#### *New features*

Added network iCalendar support - scheduler downloads iCalendar file from a remote location (for example from Google Calendar).

#### *Bug Fixes*

Disabled Google Calendar scheduler - Google Calendar is supported in this release through network iCalendar.

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### **Version 5.4.4 changes**

**October 1st, 2014**

#### *New features*

Added a new option to adjust audio delay to allow for fine-tuning of audio sync.

#### *Bug Fixes*

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Bash Shellshock fix. New version of bash is now not vulnerable.

RTP library fix.

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### **Version 5.4.3 changes**

**August 28th, 2013**

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#### *New features*

This is a maintenance release only.

#### *Bug Fixes*

Matterhorn scheduler fix.

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### **Version 5.4.2 changes**

**April 13th, 2012**

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#### *New features*

This is a maintenance release only.

#### *Bug Fixes*

Matterhorn scheduler fix.

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### **Version 5.4.1 changes**

**April 2nd, 2012**

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#### *New features*

This is a maintenance release only.

#### *Bug Fixes*

Matterhorn upload supports large files (> 2GB).

Matterhorn upload series & workflow fix. No conflict with the scheduler now.

Matterhorn upload optimizations.

Matterhorn capture agent url fix.

Matterhorn attachment type fix. Preserves attachments as source flavor.

Google Calendar "where" field fix. DNS resolution was not working .

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### **Version 5.4.0 changes**

**March 12th, 2012**

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#### *New features*

Added Presentation Production Server (Matterhorn API) support.

Added last archive upload status to serial interface.

Added RU serial command.

Scheduler no longer requires serial interface/telnet to be enabled.

#### *Bug Fixes*

FTP upload fix (filename shell quote).

DCC4.1 support. Checks option before generating modifications.

Scheduler Google events retrieve fix.

Scheduler Google events remove fix.

Scheduler "where" field fix.

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## **Version 5.3.6 changes**

**November 28th, 2011**

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### *New features*

Added Final Cut compatibility option. Makes Final Cut file changes optional.

Final Cut compatibility fix. Checks option before generating modifications.

### *Bug Fixes*

Lip-sync fix. On rare occasions the lip-sync calibration failed.

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## **Version 5.3.5 changes**

**September 23rd, 2011**

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### *New features*

Updated NVidia driver to support the latest display output cards.

### *Bug Fixes*

Import channel fix.

Import settings fix.

Factory defaults fix.

Text overlay newline fix.

Added text overlay characters limit.

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## **Version 5.3.4 changes**

**August 2nd, 2011**

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### *New features*

Added Google keyword to scheduler. Allows greater scheduler flexibility.

Added options to status serial command.

Software update cache directory. Enables greater reliability in software updates.

### *Bug Fixes*

Final Cut MP4 file compatibility fix.

Google scheduler recurring events fix

MP4 compressor name fix.

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## **Version 5.3.3 changes**

**May 11<sup>th</sup>, 2011**

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### *New features*

Added max recording time channel option. Prevents runaway recordings.

Support for webcasts to LiveStream. Changes to URL filename encoding.

Update to the latest RTSP library code. Automatic unicast reconnects on errors.

New Date & Time web page and controls to restart NTP server. Added checking for invalid date input.

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Increased the maximum number of characters in several text input fields.

Added a web session close message.

Added protection against decoding remote streams on a send-only channel.

### *Bug Fixes*

Web tab navigation and long filename display fix.

Fixed default audio levels reported by the serial interface.

Changed httpd start & stop time.

Fixes to Import settings, Factory defaults, and SFTP private keys.

Recording stop fix.

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## **Version 5.3.2 changes**

**April 5<sup>th</sup>, 2011**

### *New features*

None in this release.

### *Bug fixes*

Recording auto stop event fix.

Reduced wget number of retries to 1.

H.264 encoder flush fix. Corrects problems noted at very low frame rates.

Web logout timeout fix.

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## **Version 5.3.1 changes**

**February 28<sup>th</sup>, 2011**

### *New features*

Added GL, GR, GU, GD serial commands.

### *Bug fixes*

DCC driver fix. Frame-rates at high resolutions were too slow.

SSH known hosts fix. Known hosts file no longer impacts SFTP transfers.

Factory Defaults fix.

Scheduler crash fix. Scheduler restart erased PE stop command.

Increased DSS reflector buffer size to 10 secs.

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## **Version 5.3.0 changes**

**January 18<sup>th</sup>, 2011**

### *New features*

Added support for c7x58 motherboard.

Added "No graphics card found" event.

Added digitizer driver support for 2.6.28 kernel.

Added archive blocked state. Improves disk full error handling.

Added O1,gain serial interface command.

Added O1:gain to serial interface status.

Added filesize field to archive XML file. Reports .mp4 file size.

Disabled adaptive contrast control.

Updated VC-1 codec.

Disabled WMP launcher. WMP Plug-in is no longer supported.

Added ls serial interface command.

Added GA serial interface command.

Added T[A-J] serial interface commands.

Added special parameters %[0-9] to archive title, presenter & description.

### *Bug fixes*

Digitizer reload fix. Updates the DCC internal driver.

Display Auto aspect ratio fix.

Audio decoder lip-sync fix.

MP4 optimization fix.

Remove all archives fix.

Decoder stream fix.

Anonymous FTP upload fix.

Google calendar fix. Cancelled repeating events now handled properly.

"View Google" fix.

Notifications fix.

Event logs lock fix.

VC-1 transcoding fix (video chunk size).

H.264 transcoding fix (too low bit-rate).

Fixed remove.cgi script.

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### **Version 5.2.3 changes**

**August 2nd, 2010**

### *New features*

Added interlaced display modes.

Added D26 and D27 serial commands.

Refined e-mail error messages.

### *Bug fixes*

Updated default SSL certificate and private key.

HTTP server security fix.

Web configuration update fix.

Factory defaults fix.

Start session fix.

Automatic unicast channel auto start fix.

Configuration update fix.

MP4 hint track fix. MPEG-4 Part 2 files would not stream from a server.

Scheduler fix.

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## **Version 5.2.2 changes**

**April 30th, 2010**

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### *New features*

Digitizer card driver chipset revision update.

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## **Version 5.2.1 changes**

**April 15th, 2010**

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### *New features*

Updated H.264 encoder and tuned H.264 encoder setting (improved performance).

### *Bug fixes*

H.264 encoder fix (capture size not aligned to 16 pixels).

Image capture thread fix.

Recording captures file recovery fix.

Changed max archive title, presenter & description length to 512 chars.

Minor web page spelling fix.

Web page access level fix.

Digitizer driver chipset revision fix.

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## **Version 5.2.0 changes**

**February 25th, 2010**

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### *New features*

E-mail notifications of events, including routine events such as completion of uploads, and system error events, such as disk full.

Transcoding to Theora codec.

DVI output support option (NVidia card).

Archive local screen playback, including Stop, Start, Pause.

Archives trash can. Changed minimum free archive space to 5%.

Video preview.

Video thumbnail (must check "Show thumbnail" Channel option).

Added HTTP API.

Image capture through HTTP API.

Added RealPlayer launcher.

Added event & serial logs, removed scheduler & upload logs, added logs download.

Added "Custom NTP servers" option.

Added "Add MP4 hint tracks" Channel option.

Added "Optimize MP4 layout" Channel option.

Added "Padding" text overlay option.

Added "Audio loopback gain" Sources option.

Changed Backup password to HTTP API password.

Changed Viewers tab layout. Viewers file optimization.

Increased Viewers max count to 10000.

Intra force optimization.

Hide status bar for viewers.

Coordinator can remove and edit archives.

Recording can be stopped and paused in Auto mode.

Recording option now defaults to "Manual".

RL command lists ready archives only.

### ***Bug fixes***

Factory defaults fix.

Software update URL fix for pdsba architecture.

Web page security fix.

Scheduler PID file fix.

Web page file upload fix.

MP4 processing fix (files with size around 4GB).

SSH upload status fix.

### **Version 5.1.0 changes**

**August 5th, 2009**

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### ***New features***

Added custom frame size, aspect and window fields to Channel page.

Added custom window fields to Sources page.

Redesigned Automatic Unicast. Now a new Type in the Channel Table.

Moved Upload configuration to Channels.

Added Logs tab.

Added USB Matchbox support.

Changed serial interface processing status to Q[0|1].

Added serial interface A3 command and A3:100 status.



Added streaming and recording status to audio meter window.

Added W,x,y,w,h and w,x,y,w,h serial commands.

Changed serial interface aspect ratio status to aw:h.

Changed serial interface capture size status to cwxh.

Changed serial interface main window status to Wx:y:w:h.

Changed serial interface PIP window status to wx:y:w:h.

Removed serial interface a<0|1-5|a-d|s> and a<a-d>,w,h commands.

Removed serial interface S<1-18|A-J> and S<A-J>,w,h commands.

### ***Bug fixes***

SSH File Transfer Protocol interactive password fix.

Audio levels serial commands fix.

Certificate and private key verification fix.

M3S2 audio output fix.

Archive processing fix.

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### **Version 5.0.5 changes**

**April 29th, 2009**

### ***Bug fixes***

1280x800 capture size fix, new driver installed.

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### **Version 5.0.4 changes**

**April 2nd, 2009**

### ***Bug fixes***

Large archive (greater than 4GB) processing fix. Archive shows corrupted state, but recording is recoverable.

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### **Version 5.0.3 changes**

**March 19th, 2009**

### ***New features***

Added PSI serial command.

Added archive processing status to serial status line.

Added archive uploading status to serial status line.

Transcoding to WMV.

Renamed SDP file to live.sdp.

Renamed Automatic Unicast SDP file to live.sdp.

### ***Bug fixes***

SDP file fix.

Fixed QuickTime full screen links.

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## **Version 5.0.2 changes**

**March 3<sup>rd</sup>, 2009**

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### *Bug fixes*

Digitizer driver fix.

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## **Version 5.0.1 changes**

**February 27<sup>th</sup>, 2009**

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### *New Features*

Added Video Adjustments web page.

Changed default transcode filename.

Changed Session, Channel and Sources web pages.

### *Bug fixes*

Digitizer driver frame-rate conversion fix.

SDP file fix.

Unique transcode filename fix.

Scheduler duplicate events fix.

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## **Version 5.0.0**

**June 7<sup>th</sup>, 2008**

## **Initial software release.**

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