Software Release Notes Extron

Application Name: Panopto FlexOS™ App SMP 300 Series
Current Version: 1.02.0007

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

Updated: May 21, 2020

Extron Products Affected:

Product/Software	Minimum Version
SMP 351	3.01.0001
SMP 352	3.01.0001

TECH NOTES

CA Certificate Required – The SMP communicates with Panopto via HTTPS. To establish a successful connection, the cacert.pem security certificate file must be uploaded to the cert folder in the SMP. The latest cacert.pem file can be downloaded from https://curl.haxx.se/ca/cacert.pem. *For additional information on how to obtain and upload a CA certificate file to the SMP, see the "Security Certificates" topic in the SMP 300 Embedded Web Pages Help File*.

Scheduled Events Period – SMP WebUI displays Panopto scheduled events for the next 7 days. This duration is set by Panopto.

SMP encoding mode and Panopto scheduling (activated by LinkLicense)– When SMP acts as a Panopto remote recorder, switching between Composite and Dual channel mode on the SMP will require re-selection of the Primary Video and Audio checkboxes under Panopto's Device Configuration tab. By default, the remote recorder is using 'Archive/Archive A' for primary audio and primary video.

SMP configurations for Panopto Webcasting via RTMP streaming (activated by LinkLicense):

1. *Set the SMP Archive encoders to RTMP protocol before Panopto webcasting starts* - The SMP sends archive RTMP/RTMPS streams to Panopto. In Dual channel mode, both Channel A and Channel B archive encoders are streamed to Panopto.
2. *Please do not enable the "Auto Start and Stop Stream with Recording" option in the RTMP Streaming settings* – this can cause issues with the Panopto Webcast. Please leave this option disabled.
3. *Select a default encoding preset for Panopto webcasting* – Video bitrate of the default encoding preset on the SMP Archive encoder is 5000 kbps which exceeds the maximum bitrate, 4000 kbps, supported by Panopto webcasting.

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1025 E. Ball Road · Anaheim, California 92805
800.623.9876 · 714.491.1500 · FAX 714.481.1517 · www.extron.com

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Select an encoding preset with video bitrate <4000 kbps as default on the SMP Archive encoders in order to successfully stream to Panopto.
An option to enable the SMP to follow Panopto quality setting has been added in the Panopto App v1.02. When enabled, the video resolution and bitrate settings on Panopto adhoc and schedules will automatically apply to the SMP archive encoder.

SMP recording status on Panopto remote recorder page (activated by LinkLicense)– To ensure the SMP and Panopto recording status are always in sync, start and stop ad hoc recordings from Panopto site. Starting an ad hoc recording on Panopto and stopping the recording on an SMP can result in a syncing issue. Panopto site will show out of sync with the SMP until the ad hoc event complete

Updating the SMP for Panopto Integration:
There are two options for Panopto integration: publishing only or both scheduling and publishing.

To update an SMP 300 Series streaming media recorder to <u>publish</u> recordings to a Panopto system:

1. Install firmware version 3.00 or higher (see "Updating Firmware and Installing a LinkLicense" within the "System Settings" topic in the SMP 300 Series Embedded Web Pages Help File).

2. Download the Panopto FlexOS App from the SMP product page on the Extron website to your computer.

3. Install the Panopto FlexOS app on the SMP via the FlexOS Apps panel in the Configuration > Advanced Features page (see "Uploading a FlexOS® Application to the SMP" in the "Advanced Features" topic in the SMP 300 Series Embedded Web Pages Help File). Once the app is installed and enabled, the SMP automatically sets its publishing destination (publishing source) to Panopto.

4. Navigate to controls to configure Panopto publishing settings by doing one of the following:

   - Click the Configure button within the FlexOS Apps pane then click on Go to Publish Settings Page in the dialog box.

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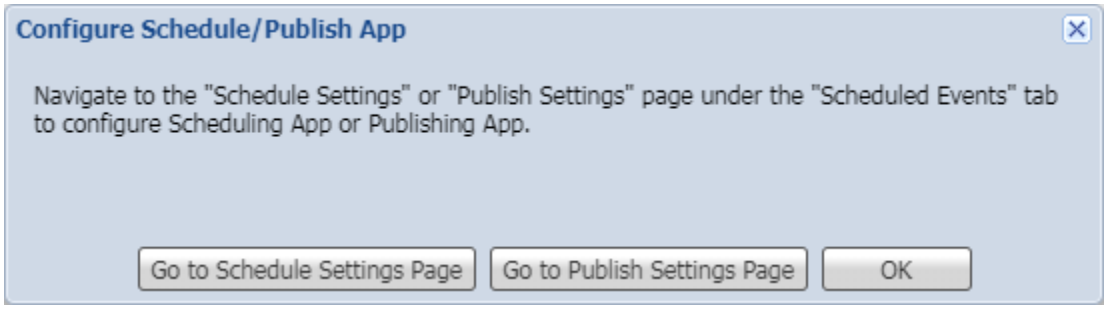
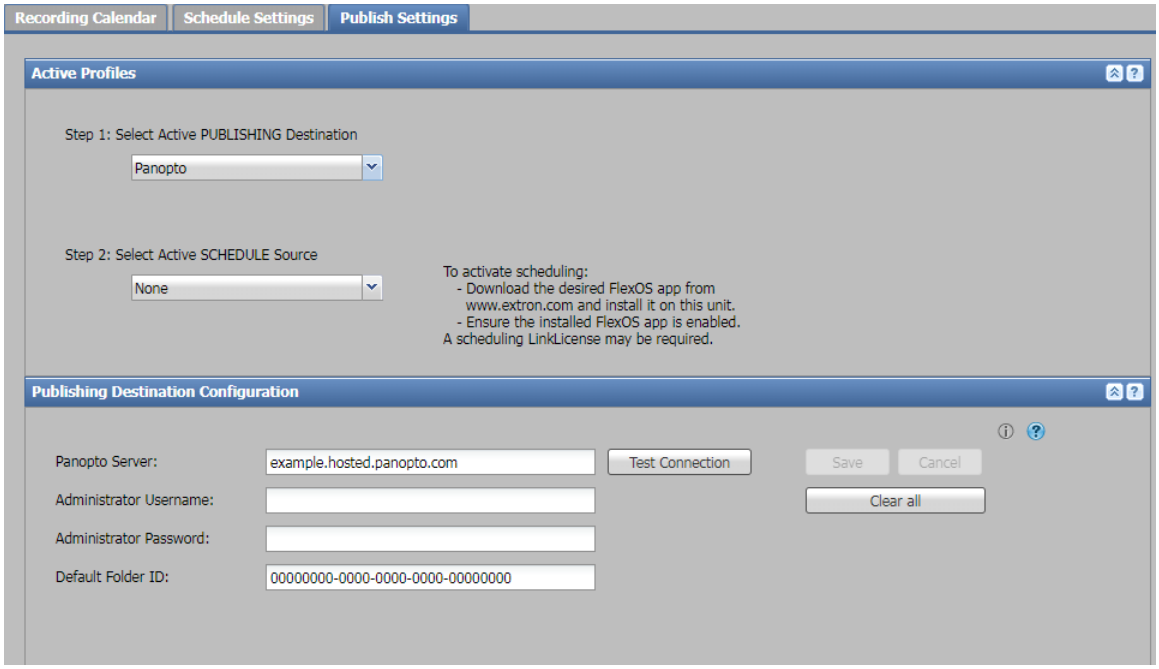


The dialog box closes, and the Publish Settings page opens.

- Navigate directly to the Scheduled Events > Publish Settings page.

5. Configure the settings for integration with the Panopto server.



TIP: *If you encounter any issues with app installation or file transfers, see the user logs (Troubleshooting > Logs, see "Logs" in the SMP 300 Series Embedded Web Pages Help File) to find any error messages that might be useful in troubleshooting.*

To update an SMP 300 Series streaming media recorder to enable <u>both scheduling and publishing</u> with a Panopto system:

1. Follow steps 1-3 in the preceding directions for updating the SMP for Panopto publishing, making sure to download and install the Panopto FlexOS App version 1.01 or higher.

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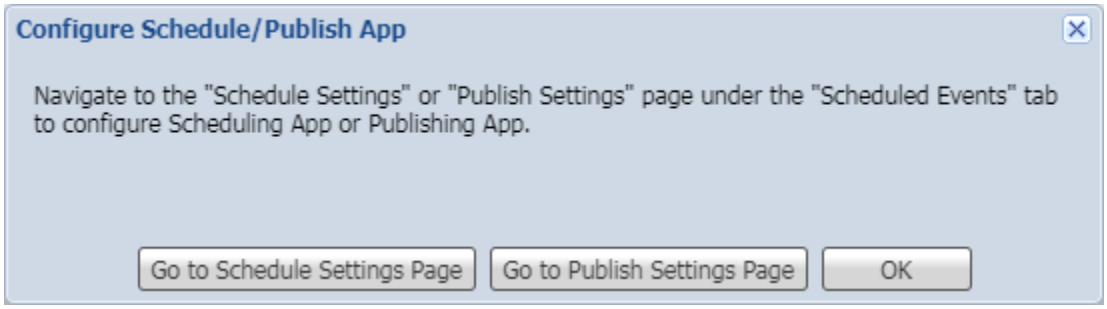
2. Purchase a LinkLicense for Enhanced Panopto Features and download it from the Extron website.

3. Install the LinkLicense on the SMP via the Configuration > System Settings page (see" Updating Firmware and Installing a LinkLicense" in the "System Settings" topic in the SMP 300 Series Embedded Web Pages Help File). After the SMP reboots, scheduling configuration controls are now available in the Schedule Settings page, and this help file will become accessible.

4. Navigate to controls to set up Panopto publishing settings by doing one of the following:

   - Click the Configure button within the FlexOS Apps pane, and then click on Go to Publish Settings Page in the dialog box.



   The dialog box closes, and the Publish Settings page opens.

   - Navigate directly to the Scheduled Events → Publish Settings page.

5. Configure the settings for integration with the Panopto server.

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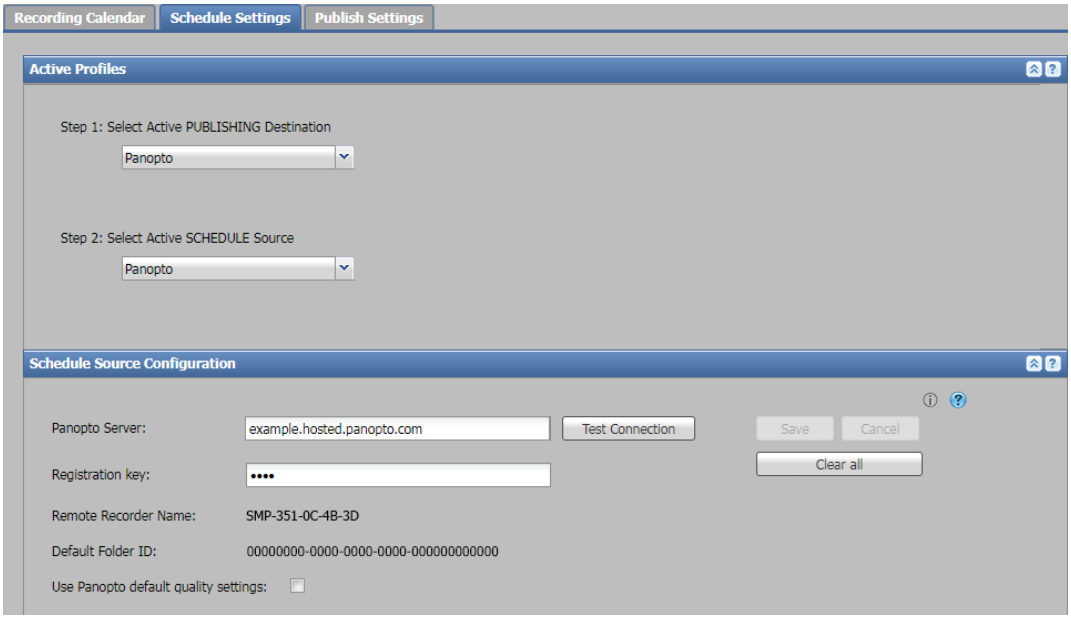

6. For more information click the blue circle "?" help icon for the Panopto Integration Help Files.

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KNOWN ISSUES

The following is a list of known software issues found in software Version 1.02.0007

There are no known issues.

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SOFTWARE RELEASE HISTORY

Version: 1.02.0007
Affects: **Firmware Revision:** 1.01.0011
Date: May 21, 2020

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

New - Live Video Preview as Remote Recorder (this feature is enabled by Enhanced Panopto Features with LinkLicense) **–** Live video preview from the SMP sources are now available when SMP is setup as a remote recorder.

New - Panopto Video quality settings applying to SMP (this feature is enabled by Enhanced Panopto Features with LinkLicense) – There is now a setting under the WebUI *Scheduled Event -> Scheduled Settings -> Schedule Source Configuration* section to select "Use Panopto default quality settings" which, when enabled, will apply a corresponding Preset on the SMP to match the selected Panopto quality setting.

Fixed – Black Video stream may result when streaming to Panopto (originated in v1.01) – Intermittently black video can be seen when opening or refreshing a Panopto webcast page. This issue has been resolved.

Fixed – Disable secondary capture on Panopto does not apply to SMP (originated in v1.01) - When the SMP was set to dual channel mode, deselecting one channel on the Panopto Device configuration page would still result in two published files. This issue has been resolved.

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SOFTWARE RELEASE HISTORY

Version: 1.01.0011

Affects: **Firmware Revision:** 1.00.0002

Date: December 10, 2019

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

New – Enhanced Panopto Features with LinkLicense — The Enhanced Panopto Features LinkLicense is an annual support license that enables enhanced integration with the Panopto enterprise video platform, bringing new capabilities to enable the SMP 352 to receive recording schedules from the Panopto video platform as well as streaming live video to Panopto for live event broadcast and other applications.

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SOFTWARE RELEASE HISTORY

Version: 1.00.0002

Affects: **Firmware Revision:** NA
Date: NA

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

Initial Release – This is the initial release of this software product. The v1.00 Panopto App supports publishing files to Panopto. Panopto Scheduling will be supported in future app version.

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