



# Aurora Ingest Version 6.3.2 Release Notes and Installation Instructions

These release notes contain the most recent information and supersede previous publications, as of December 13, 2007. Check the Grass Valley website at <http://www.thomsongrassvalley.com/docs/> for the latest updated version.

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## Grass Valley Product Support

To get technical assistance, check on the status of a question, or to report new issue, contact Grass Valley Product Support via e-mail, the Web, or by phone or fax. Contact Grass Valley first regarding problems with third party software on Grass Valley products, such as the Microsoft® Windows® operating system, Windows Media® player, Internet Explorer® internet browser, SQL Server™ and QuickTime.

### Web Technical Support

To access support information on the Web, visit the product support Web page on the Grass Valley Web site. You can download software or find solutions to problems by searching our Frequently Asked Questions (FAQ) database.

**World Wide Web:** <http://www.thomsongrassvalley.com/support/>

**Technical Support E-mail Address:** [gvgtechsupport@thomson.net](mailto:gvgtechsupport@thomson.net).

### Phone Support

Use the following information to contact product support by phone during business hours. Afterhours phone support is available for warranty and contract customers.

International (France)	+800 80 80 20 20 +33 1 48 25 20 20	Italy	+39 02 24 13 16 01 +39 06 87 20 35 42
International (United States, Canada)	+1 800 547 8949 +1 530 478 4148	Belarus, Russia, Tadzikistan, Ukraine, Uzbekistan	+7 095 258 09 20 +33 (0) 2 334 90 30
Hong Kong, Taiwan, Korea, Macau	+852 2531 3058	Indian Subcontinent	+91 11 515 282 502 +91 11 515 282 504
Australia, New Zealand	+61 1300 721 495	Germany, Austria, Eastern Europe	+49 6150 104 444
Central, South America	+55 11 5509 3440	Near East, Africa	+33 1 48 25 20 20
China	+861 066 0159 450	Netherlands	+31 (0) 35 62 38 421
Belgium	+32 (0) 2 334 90 30	Northern Europe	+45 45 96 88 70
Japan	+81 3 5484 6868	Singapore	+65 6379 1313
Malaysia	+603 7805 3884	Spain	+41 487 80 02
Middle East	+971 4 299 64 40	UK, Ireland, Israel	+44 118 923 0499



## **Authorized Support Representative**

A local authorized support representative may be available in your country. To locate the support representative for your country, visit the product support Web page on the Grass Valley Web site.

## About Aurora Ingest 6.3.2

The Aurora Ingest 6.3.2 patch release contains bug fixes only. More significant features will be added in the next software release.

As a “patch” release, this constitutes the revision of release notes only and not the whole customer documentation set. Therefore, information in these release notes supersedes information in any of the other Aurora Ingest documentation.

The latest Grass Valley documentation can be found online at:

<http://www.thomsongrassvalley.com/docs/>

## What's new in Aurora Ingest 6.3

Aurora Ingest 6.3.2 does not contain new software features. However, this patch release does still include all features and performance improvements introduced in the 6.3 release. The following describes those features:

- Temporary 30-day demo license.
- Qualified for use with Profile XP System, in addition to the existing support for K2 and M-Series iVDR.
- Support for full version of Microsoft SQL Server 2005, in addition to the existing support for Microsoft SQL Server Express Edition.
- Support for the Acappella router.
- Support for the Blackmagic Design DeckLink SDI Video Capture Card.
- Channel group setup in order to control channel's availability per user right or broadcast functionality.
- An option to switch channel's aspect ratio between 4:3 and 16:9. This is supported for SD K2s version 3.2 only.

## What's new in Aurora Ingest - Scheduler

- Asset Viewer, in which you can view a previously recorded item or a currently recording item on the Scheduler. The viewer also allows you to trim the top and tail of the clip if it is already linked to an Aurora Playout placeholder.
- An option to display secondary clock and timeline on the main window of Scheduler.
- Extension of feed duration just by drag and drop the start time or end time of an event.
- Customization of event status colors within **Tools|Options** of the Scheduler.
- An option to make public templates and filters that requires permission from User Administration setup. Once allowed, you can see a Make Public checkbox in the Save As Template, New and Modify Template or Filter dialogs.
- Customization of default start time for a newly added event within **Tools|Options** of the Scheduler.

## **What's new in Aurora Ingest - VTR Controller**

- An option to record to K2 media server using RS-422 timecode mode, in addition to the existing support for LTC and VITC timecode modes. Due to the frame accuracy recording window of +/- 10 frames for the RS-422 timecode mode, in and out handle settings have been provided within **Tools|Options** of the VTR Controller.
- An option to alter the shuttle speed that the VTR Controller uses for scanning tapes within the configuration dialog of VTRs.
- An option to enable auto scan for an XDCAM VTR. Since an XDCAM VTR does not support RS-422 shuttle commands, select the checkbox to Enable Auto Scan for XDCAM to use previous and next commands instead.

## **What's new in Aurora Ingest - VTR Ingest**

- Scan and batch feature to capture media from a tape according to timecode breaks. The feature is enabled by checking the box for Enable Auto Scan within **Tools|Options** of the VTR Ingest.
- Ability to optimize batch list from VTR Ingest user interface. By clicking the button, batch optimization will firstly group clips by tape ID and then sort them by Mark In points.
- Ability to change the order on the batch list, for all segments or segments within the same tape only.

## **Fixes included in version 6.3.2**

- (84725) - When a feed was scheduled to an invalid channel, auto-assign didn't properly show the recording channel on the timeline.
- (83168) - Ingest Server could get into a state where it refused to accept connections from Scheduler and VTR Ingest. Event allocation performance was optimized to prevent this.
- (86024) - Ingest Server could have trouble connecting to a SMS7000 controller.
- (86152) - VTR Ingest was unable to record directly to a placeholder for use with Aurora Playout.
- (85577) - Scheduler operations became very slow after rebooting a media server.
- (84904) - Scheduler allowed scheduling of recurring feed to overlap with future feed.
- (84824) - Scheduler allowed modification on a currently recording feed to overlap with future feed.
- (84825) - Scheduler allowed modification on a feed's start time from ENPS client though the feed had started or finished recording.
- (85191) - Keyboard keys couldn't be used to select recording channels on the add event dialog of the Scheduler.
- (85846) - Aurora Ingest - Server displayed incorrect status reports of the Acappella router.

- (85687) - Scheduler did not allow a currently recording feed to be extended via ENPS client.
- (84881) - VTR Ingest failed to ingest CTL segments when gaps had been detected on the tape.

## Software Version compatibility

Aurora Ingest 6.3.2 was qualified using the following software versions:

- K2 system 3.2.58.786
- M-Series iVDR 2.0.13.567
- Profile XP System 5.4.9.1288
- Aurora Playout 6.3.2
- Aurora Edit 6.3.2
- Aurora Core 6.3.2 for RMI Installation
- SNFS 3.0.1.39 for RMI Installation within K2 SAN

**NOTE: SNFS upgrade to version 3.0.1.39 is only needed for K2 system 3.2.58.786 or higher.**

- GVG\_MLib 3.2.58.786 for RMI Installation
- Generic iSCSI 3.2.58.786 for RMI Installation within K2 SAN
- ENPS 5.00.0088 for use with Scheduled Events
- Panasonic P2 Driver 2.03.0002 (Contact Panasonic for driver)
- Sony XDCAM FAM Driver 1.50 (Contact Sony for driver)
- Hauppauge Version 5.9F
- DeckLink Version 6.4
- Microsoft Windows XP, Service Pack 2
- Microsoft Win2K3 Server R2 (Ingest Server Component only)

## Installing Aurora Ingest

To install the Aurora Ingest software on your computer, insert the Aurora Ingest CD-ROM into the machine's CD-ROM drive and follow these instructions:

On this screen...	Do this...
Welcome	Click <b>Next</b> .
License Agreement	Select <b>I Agree</b> and click <b>Next</b> .
Choose Destination Location	Click <b>Next</b> .

<b>On this screen...</b>	<b>Do this...</b>
Select Components	<p>Specify the Aurora Ingest applications to install: <b>Server</b>, <b>Scheduler</b>, <b>VTR Controller</b>, <b>VTR Ingest</b>, or <b>RMI</b>.</p> <p>With <b>Server</b> component, Microsoft .NET Framework 2.0 and Microsoft SQL Server Express database components will also be installed by default.</p> <p>[Note: <b>RMI</b> cannot be installed on a machine that already has Aurora Edit installed. The Aurora Core software needs to be installed instead. (<i>SetupAuroraCore.exe</i> will automatically be launched when <b>RMI</b> component is selected during Aurora Ingest installation.)]</p>
Specify Server Name	<p>Enter the host name of Aurora Ingest Server that will be used by Aurora Ingest applications.</p> <p>Select the SQL Server configuration that will be used by Aurora Ingest Server.</p> <p>If you choose SQL Server 2005, select the server instance from the dropdown list.</p> <p>Then, click the Test Connection button to ensure that the SQL Server is accessible.</p>
Start Installation	Click <b>Next</b> .
Installation Complete	Click <b>Finish</b> .

## **Installing Aurora Core (Only for RMI Client Workstations)**

The Aurora Ingest installation launches Aurora Core installer when the RMI component is selected. *SetupAuroraCore.exe* must be in the same directory as the Aurora Ingest installer for it to be invoked automatically.

Follow the steps below after *SetupAuroraCore.exe* is launched:

1. Select '**Next**' at the introduction page.
2. Read and agree to the License Agreement prior to clicking '**Next**'.
3. Click '**Next**' to install Aurora Core to the **C:\Program Files\Grass Valley** directory.
4. Check "**K2 Server Present**" only if the RMI client is going to be set up within a K2 SAN environment.
5. Click '**Next**'.
6. Check "**Domain Security**" only if Security is a desired feature.
7. Enter DSM/FSM name(s) and select '**Next**'.
8. Browse to Shared Media Drive for **VibrantAVFiles** location and click '**Next**'.
9. Browse to Local Media Drive for **VibrantAVCache** location and click '**Next**'.
10. Enter the Shared Drive Letters being sure to add a comma between each drive and click '**Next**'.

11. Click 'Next' at the "Ready to Install" page.

**NOTE:** - RMI should be installed onto a system that is the equivalent of an Aurora Edit SD or HD system depending upon the format or removable media. It should not be installed on a system that is already an Aurora Edit system.

**NOTE: 2 -** The Aurora Core Installation will check for mapped drive status prior to completing the install. It is recommended that shared media drives get mapped prior to running the install.

**NOTE: 3 -** Windows XP Service Pack 2 automatically configures a Windows Firewall for the client. It is recommended, for clients attached to networks with an existing Firewall, that this Windows Firewall be disabled. For those without an external Firewall, individual ports may need to have restrictions lifted as Windows will block the unknown connection. To unblock a port, go to Start->Settings->Control Panel->Security Center->Windows Firewall->Exceptions and add the Aurora Ingest application to the firewall exceptions.

## Installation Notes

- Prior to installing Aurora Ingest onto a clean system that will support video overlay (Scheduler or VTR Ingest), install the Hauppauge WinTVGo Video Capture Card or Blackmagic Design DeckLink Video Capture Card along with their drivers included on the installation CD.
- RMI requires either the Panasonic P2 or Sony XDCAM FAM driver for proper interaction with these types of removable media devices.
- RMI requires the Aurora Core 6.3 installation for proper functionality. In addition, RMI should be added into the overall stream count of the shared system as it will be writing directly to the shared storage.
- RMI should only be installed on Windows XP Operating Systems. It is not to be installed on the same system that Aurora Edit is on.
- Aurora Ingest is designed to run with a screen resolution of 1280x1024 for standard configurations. Some Aurora Ingest windows will not display properly if Windows is configured to use large fonts.

## Upgrade Instructions

Before upgrading from one version of Aurora Ingest to another, you should close all components in the current Aurora Ingest application.

Aurora Ingest 6.3.2 installer provides an option to install Microsoft SQL Express 2005 or attaching your Aurora Ingest database to the full version of Microsoft SQL Server 2005. The full version of SQL Server 2005 allows customers to run the Aurora Ingest - Server database component on the same server as the NewsShare DSM.

This means that both news database and ingest database will share the same SQL processes. If you want to move your current Aurora Ingest database that runs on SQL Express 2005 to your NewsShare DSM machine that runs the full version of SQL Server 2005, refer to "[Migrate Instructions](#)" on page 9.

To upgrade Aurora Ingest, follow the steps below:



1. Uninstall all components in the current version of Aurora Ingest by selecting **Start>Control Panel> Add or Remove Programs**.
2. Run the Aurora Ingest 6.3.2 installer and follow the steps described in [“Installing Aurora Ingest”](#) on page 6.
3. Reboot your machine after the installation is complete.

**NOTE:** When installing onto a clean system, Aurora Ingest will embed the SQL Express 2005 install into its installer. The full version of Microsoft SQL Server 2005 is available as an optional item.

## Migrate Instructions

Database migration should be done if you need to move Aurora Ingest database from the current machine to a brand new machine, or to move your Aurora Ingest database to the machine that runs your NewsShare DSM.

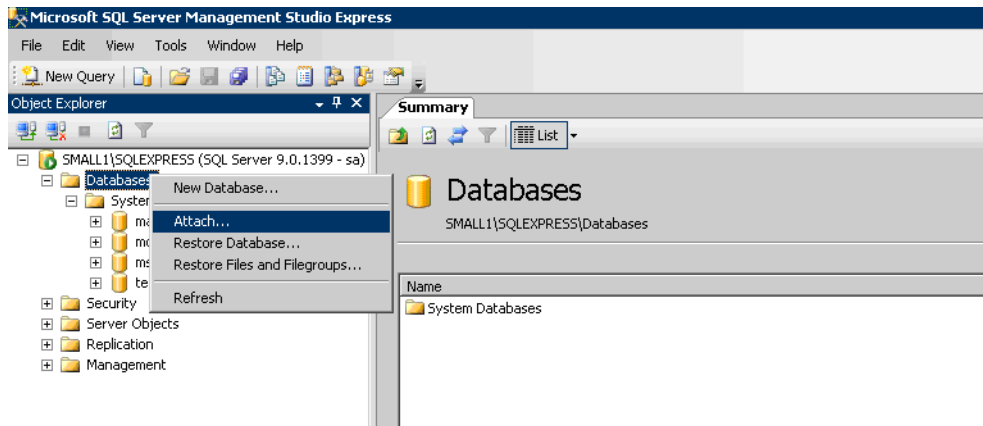
Follow the steps below for migration process of the Aurora Ingest database:

1. Run the latest Aurora Ingest 6.3.2 installer on the existing machine to update the Aurora Ingest database.
2. Export the Aurora Ingest Server registry key under **“My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\Grass Valley\Aurora Ingest\Server”** from existing machine.

**CAUTION: DO NOT launch the Microsoft SQL Server Management Studio Express on both existing machine and new machine. If you do this, you cannot back up the database.**

3. Shut down the Aurora Ingest - Server application on the existing machine and copy two files (IS\_Data.mdf and IS\_Log.ldf) from C:\Program Files\Microsoft SQL Server\90\Tools\Binn from existing machine to same directory path in new machine. Make sure these two files are NON-READ ONLY.
4. Make sure the “SQLServer (or SQLEXPRESS)” service is running on new machine. You can check the state of the service in the “Services” application.
5. Launch the Microsoft SQL Server Management Studio Express on new machine.
6. Log on, using Window Authentication Mode, to attach the Aurora Ingest database.

Attach the Aurora Ingest database as shown in the following screenshot.



7. Select the IS\_Data.mdf from the same directory (**C:\Program Files\Microsoft SQL Server\90\Tools\Binn**).
8. After the Aurora Ingest database had been attached successfully, you should be able to view Aurora Ingest database folder shown under the Databases root folder.
9. Import the server registry key to new machine.
10. Run the Aurora Ingest 6.3.2 installer on the new machine.
11. Reboot the machine after installation is complete.
12. License the Aurora Ingest software (Number of Channels, Scheduler, VTR Ingest and RMI). For more information on licensing, see [“Licensing Aurora Ingest” on page 10](#).
13. Remove the licenses from the existing machine.
14. Launch the Aurora Ingest - Server application on the new machine. Select **Tools | Options** and click on the System tab.
15. Edit settings of SDB Server, XMOS Server and SabreTooth Server according to the new machine.

## Licensing Aurora Ingest

Once the Aurora Ingest software is installed, you are provided with a 30-day demo license. You need to get a software license number from Grass Valley in order to install the permanent license. Obtaining the software license number is important because you cannot launch channels or configure Aurora Ingest after your 30-day demo license has expired.

When you install the Aurora Ingest - Server application, the SabreTooth License Manager is installed as well. To get a license number, follow these steps:

1. Click on the License Manager icon on the desktop. The SabreTooth License Manager opens.
2. Select **File | Generate Unique ID** and the License Manager will generate a unique ID (a unique string of characters).

3. Email this unique ID to [BVTN-Auroralicenses@thomson.net](mailto:BVTN-Auroralicenses@thomson.net) and you will be provided with the software license number.

## Installing System Imaging Software

Aurora systems use Acronis Imaging software, version 3647, which allows you to back up your system. When the system boots using Acronis Imaging software, select either Safe Version, Full Version, or boot into Windows.

Safe version should normally be used to restore or create the `c:\` partition from the backup partition, drive `f:\`.

Full version loads additional USB drivers, which allows a user to backup or restore with a USB drive. However, the boot process hangs unless the following parameters are entered prior to selecting “Full Version”.

1. Press F11.
2. Change the boot parameters from “quiet” to “quiet acpi=off noapic”.
3. Click OK.
4. Then select the Full Version to load True Image.

*NOTE: Acronis Imaging software recognizes Rev Pro drives.*

## Setting up AMP control on K2 Media Client

With Aurora Ingest Server, K2 Media Clients are controlled via AMP Protocol over Ethernet.

To set up AMP control of a K2 Media Client:

1. In AppCenter on the K2 client, click the **Options** button for the desired panel.
2. Set the **Control** setting to either “**Remote Only**” or “**Remote and Local**” and the **Protocol** setting to “**AMP**”. Repeat this step for each panel that will be controlled remotely by Aurora Ingest.
3. In the Ingest Server application, go to **Tools | Options | Media Server** and add the name of the K2 client.
4. In the Ingest Server application, go to **Tools | Options | Channel** and add each channel that will be controlled on the K2. In the Channel dropdown list, “VTR1” corresponds to the “R1” panel on the K2, “VTR2” corresponds to the “R2” panel, etc.

See the “Installing and Configuring Aurora Ingest” section of the Aurora Ingest System Guide for more detailed information about configuring media servers and channels.

## Individual Component Usage Notes

### Aurora Ingest Server

- The remote clients should be slaved to the time of day of the Ingest Server. If an offset is present, scheduled events will be started according to the time of the server component rather than the apparent time of the remote scheduler client.
- When connecting to an AMP channel on the Media Client, it is important that the

AMP setting on the Media Client is set to AMP Recorder and not AMP Player. The connection will succeed regardless, but record issues will occur if the channel is set to AMP Player.

## Aurora Ingest - Scheduler

- The time of day format within the Ingest Scheduler is directly related to the current time of day format for the individual client machine. To change this, go to **Start->Settings->Control Panel->Regional and Language Options** and launch the Customize tool. Once in the customize tool, enter the Time tab and set your time format accordingly.

***NOTE: Changes to the Scheduler's time format will only be seen after a relaunch of the Scheduler application.***

- Scheduled records must be separated by at least 10 seconds between the end of the outgoing feed and the start of the incoming feed. To account for this, the default duration of feeds has been set to 59 minutes and 50 seconds in **Tools | Options | General**. It is recommended that any edits to the default duration reflect the 10 second minimum separation.
- The scheduler will hold onto past events history for three weeks.
- Recurring events can be added for up to one year in advance. These events can be modified later in order to extend the duration of the recurring item.
- If a channel with scheduled events is removed from the Ingest Server, those events will be erased rather than reassigned to other channels.

***NOTE: Re-introducing the once removed channel may result in incorrect scheduling for that channel as the database may hold on to events not seen in the user interface of the scheduler. It is recommended that scheduled events get moved from the channel prior to the channel's removal.***

- If a feed cannot cue to a channel at the start time, then it will fail rather than move to a different channel. This will happen if a channel is accidentally configured to AMP Player rather than AMP recorder, which is not a valid configuration.
- New scheduled event with same clip name as another clip on the media server could trigger recording problems. Make sure that clip names are unique to each other.

## Aurora Ingest - Scheduler with ENPS Assignment Grid

- Please refer to the Aurora Ingest System Guide for instructions on configuring ENPS for scheduling events and setting up the ENPS Assignment Grid. If this guide is not yet in your possession, please contact customer support for download information.
- When using ENPS to schedule events, it is important to note that error notifications typically handled within the Aurora Ingest Scheduler will not be as readily available within the ENPS Assignment Grid. For instance, naming conflicts, channel conflicts, elapsed events, etc. will not always be flagged within the ENPS grid. It is important to also monitor the Aurora Ingest Scheduler interface in order to get a more accurate representation of the current activity.

## **Aurora Ingest - RMI**

- RMI was qualified with High Definition media from Infinity and Sony XDCAM devices only. High Definition media ingest is not currently supported for Panasonic P2.
- RMI requires a relaunch after the news DSM is rebooted. The application will not prompt for this, but subsequent import attempts will fail.
- If changing drive volumes for importing clips, the Destination AV Path within **Tools | Options** must be directed to the VibrantAVFiles folder within the desired volume.
- After Sony XDCAM is plugged in and attached to RMI application, XDCAM pop-up will be displayed. To disable XDCAM pop-up in Windows 2000 and Windows XP operating systems, follow the steps below:
  - a. Go to **Start->Run** and type in '**gpedit.msc**'
  - b. Once in, go to Administrative Templates.
  - c. Then click on **System**.
  - d. Once in System, look in the right hand pane and search for 'Turn off AutoPlay'.
  - e. Open **Turn off AutoPlay**.
  - f. Select CD-ROM drives in the dropdown.
  - g. Finally, select the Enable check box and click **OK**.

## **Aurora Ingest - VTR Ingest**

- If multiple clients are pointed to the same VTR, each client will report a successful connection. When operating the VTRs, however, the multiple clients may interfere with each other. It is important to allocate VTRs properly so collisions of this nature do not occur.
- Records have a frame accuracy recording window of +/- 3 frames for the VTR Ingest with K2.
- When controlling a VTR that is in 720p mode, transport commands, such as single frame and ten frame advances may not be frame accurate.

## Known issues

The following limitations are present in this Aurora Ingest Software 6.3.2 release. If you wish to obtain more information about these limitations, please mention the reference numbers that follow the description of each limitation. These known issues will be resolved in the future.

Description On rare occasions, the Profile media server has been observed to stop accepting channel connections from Ingest Server after several days of operation. (81444)

Workaround Reboot the Profile to restore channel connections.

Description Aurora Ingest does not release the license for Scheduler and VTR Ingest clients if those clients are disconnected from the network. (83044)

Workaround Reconnect the ethernet cable to the Scheduler or VTR Ingest machine.

Description Events get scheduled to the wrong channel when a user configures the channel group and one of the channels with the same name. (83300)

Workaround Ensure that channel groups and channels are not configured with same names.

Description Panasonic P2 unique naming generator is limited. As Aurora Ingest - Server does not delete clip entries from RMI to ensure no clips are ingested twice, new clips from Panasonic P2 with same titles as previous entries would not be ingested via RMI. (82805)

Workaround To overcome this limitation, batch file fixes could be provided for your Aurora Ingest - RMI. Please contact customer support for download information.

Description When controlling a redundant Encore system and the primary controller fails, Aurora Ingest - Server does not have the ability to detect another active Encore controller within the system. (69729)

Workaround In case of a failure of the primary Encore controller, the IP address or name of the redundant Encore controller has to be entered in the Router tab within **Tools | Options** of Aurora Ingest - Server.

Description Setting up gang roll for recurring events in Aurora Ingest - Scheduler is not supported. (75154)

Workaround Gang roll events need to be set up as individual items.

Description The extra “\_b” appended to backup feed clip name could break conformance from remote system. (80235)

Workaround Change the following value in the Windows registry from 1 to 0:  
**HKEY\_LOCAL\_MACHINE\SOFTWARE\Grass Valley\Aurora Ingest\Server\Feed\Use Backup Clip Name**

**Description** Removing a channel from Aurora Ingest Server without deleting scheduled recurring events on it, will reassign those recurring events to other available channel at start time. (80170)

**Workaround** Delete the reassigned recurring event if the feed is not desired. It is recommended that scheduled events get moved from the channel prior to a channel's removal.

**Description** Crash record of gang-roll events could fail if the default clip name consists of more than 32 characters. (78916)

**Workaround** As the current limit to a default clip name is 26 characters, ensure that router source name (which gets added to default clip name for gang roll events) consists of less than 6 characters. Hence, the default clip name would not consist of more than 32 characters.

