

Release Notes

A-VIEW 5.1

Dec, 2018



The Versatile E-Learning Tool For Distance Education

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Overview

This release note describes the software upgrade requirements (Teacher and Student nodes) for A-VIEW version 5.1. Enhancements to the existing features and known issues are also explained in the respective sections.

System Requirements

Software Requirements: A-VIEW is supported on Web, Windows, Mac OS 10 and Android (2.2 and above).

Hardware Requirements: Please refer the hardware requirements document from <http://aview.in/aview-classroom>.

New features/enhancements in A-VIEW 5.1

| | Details |
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| User Interface | <p>A-VIEW menu bar gets hidden when a user enters into a class.</p> <p>Audio/Video status option is displayed below the user-list.</p> <p>Video panel size has been increased in video sharing module.</p> <p>Whiteboard toolbar position has been changed.</p> |
| Audio-Video | <p>3 parameters 'Camera Type', 'Camera Resolution' & 'Buffer time has been included in 'Advanced video settings'.</p> <p>'Check audio/video' option is available in A-VIEW menu bar.</p> <p>Option to check User's download bandwidth is implemented in the bottom of the status bar.</p> |
| Echo Testing | <p>This feature allows the user to check if his audio-video settings will cause echo during a live session.</p> <p>Echo testing can be done before a session starts or during a live session.</p> |
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| Document Sharing | <p>Status of document upload can be seen by clicking on document upload status button. The 4 different document conversion status are</p> <p>a. Not started b. Processing c. Failed d. Success</p> |
| Preference Settings | <p>Audio-Video settings, Device testing, Recording mode & Bandwidth checking has been added in preference settings.</p> |
| Self Recording | <p>This new feature allows the moderator/teacher to create a video recording (self) of an A-VIEW session.</p> <p>Moderator/teacher can record any of the A-VIEW features (Video, Document, Whiteboard, etc) using this feature.</p> <p>Recording can be saved in video qualities compatible with various devices (Mobile, Tablet, Desktop, and TV) in mp4 format.</p> |
| Client-side MP4 Recording | <p>This feature allows all viewers/presenters to record an ongoing A-VIEW session and save it.</p> <p>The moderator can also perform client side mp4 recording of an A-VIEW session if he selects that recording mode for his session.</p> <p>Recording can be saved in video qualities compatible with various devices (Mobile, Tablet, Desktop, and TV) in mp4 format.</p> |
| Webinar | <p>This feature allows the presenter to send a video stream through webinar.</p> <p>Presenter's desktop screen will be shared through Webinar.</p> <p>Users can interact with each other through chat option.</p> <p>Webinar steaming end should have good steady bandwidth and high end desktop machine.</p> |
| Video wall | <p>This feature allows all viewers to see all the interacting participants video in a single window</p> <p>Presenter can see the viewer's video in the video wall along with the interacting viewers</p> <p>Here any number of view video can be seen.</p> <p>In presentation layout, Presenter video occupies full layout area if no selected student is there.</p> |
| Red 5 | <p>Open source media server for live streaming.</p> <p>All A-VIEW functionalities will be available</p> |

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| | Reduces the setup cost considerably. |
| GCLM | <p>Following features/options have been introduced in class settings.</p> <p>‘Whiteboard smoothing’ can be enabled/disabled for a class. Live sessions can be recorded as ‘Client Side mp4’ or ‘A-VIEW playback’ using ‘Session recording mode’ option. ‘Video sharing’ server can be set in class server settings. If ‘Require Pretesting’ option is enabled for a class, then pretesting window appears when a user clicks on start video button for the first time after entering into a class. Video watermark can be enabled/disabled for a class. Can choose licensed or non-licensed Desktop sharing Maximum Number of viewers for interaction has been increased</p> |
| Question interface | <p>Option to export all questions posted in A-VIEW has been implemented for all users. Option to sort questions based on question time stamp and votes has been introduced. Size of the question text can be increased. Question interface window can be popped out.</p> |
| Chat | Option to export all chat messages posted in A-VIEW has been implemented for all users. |
| A-VIEW Lite | <p>It is a light-weight mobile app for low-end android phones and tablets. Interaction is possible with all students individually, not just remote centers. Interaction is made by app features such as Chat, Quiz and Poll Instant evaluation is done and the feedback is provided to every student.</p> |

Webinar Requirement:

- 1) Only Moderator can publish his/ her screen to webinar.

- 2) Moderator's primary monitor will get streamed to Webinar.
- 3) Recommend to use 4:3 aspect ratio monitor for Webinar streaming.
- 4) Moderator's computer should have dedicated and reliable (non-fluctuating) bandwidth of 5 Mbps upload and 2 Mbps download for webinar.
- 5) Moderator's dedicated bandwidth should include bandwidth for publishing his/ her video via A-VIEW and for streaming webinar.
- 6) Recommended Computer configuration: Desktop computer with 8GB RAM, Intel i5 Quad core, 3.30 GHz, Windows 7 or above.

Known Issues

| | Scenario | Error Messages/Screen Display | Solution |
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| 1. | While logging into the classroom on Win 7/8/10 machine.(When class has Low bandwidth single bitrate or Low bandwidth/Low latency/HighDefinition multibitrate video settings) | Application hangs while entering into a class & the user will not be able to start his video. | Close A-VIEW. Start screen camera application with administrator privilege and then log into A-VIEW. |
| 2. | When moderator downloads and plays a YouTube link. | The YouTube video will not play. | Issue can happen, <ol style="list-style-type: none"> 1. If Presenter might be using desktop client and Viewer might be using web client or vice versa 2. If the YouTube video have copyrights or 3. If the viewer side firewall restricts the access to YouTube or 4. If the flash player on the machine is not valid. |
| 3. | While performing Desktop Sharing. | Desktop sharing appears blank at viewer side. | Click on refresh button on the shared desktop window. |
| 4. | While performing Desktop Sharing. | Desktop sharing not starting, but loading symbol is showing at presenter side. | Java files might be missing during installation. |
| 5. | While performing Desktop Sharing from Web client. | Message says "This feature needs Java plug-in. If it is already | Browser doesn't support Java plug-in. Recommend to use Desktop Client. |

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| | | installed, check whether it is disabled for the browser.” | |
| 6. | While playing 2D files or while sharing videos. | Users’ experiences echo issue at their end. | To eliminate echo, either deselect the selected viewer or use push to talk to mute the selected viewer. |
| 7. | While uploading animated powerpoint files. | Animated file upload takes a lot of time depending on the number of slides. | Animated files should be uploaded before the actual class and not during the class. |
| 8. | While typing the server IP address in login screen | A-VIEW login interface hangs while typing the IP address in login screen (Issue happens rarely on few machines) | Issue happens when user runs A-VIEW directly from setup wizard after installation or if internet is not available on the machine. So make sure internet is available, then close and open the login screen again. If issue persist delete A-VIEW folder from <i>appdata</i> and try again. |
| 9. | While using 'Higher video Quality' video mode for publishing video. | Lip sync issue for presenter video. | Use ‘Less delay’ video mode if Lip Sync issue has to be avoided. |
| 10. | While performing microphone pretesting on win 7 machine | Application gets closed sometimes. Issue happens at times. | If issue happens frequently in the machine, perform microphone pretesting from Windows Sound Recorder. |
| 11. | User performs multiple seek operations frequently while playing back recorded sessions. | Application gets closed. Issue happens at times and scenario is very rare. | Wait to seek further until video starts playing. |
| 12. | While user tries to start his video or while performing pretesting. | Application gets closed. The issue happens for some OS - Video driver combination which has the latest version of Adobe Air installed. | Solution 1 Uninstall the latest version of Adobe Air & Install Air 17version that comes with A-view full installer.(Or click here to download Air 17 installer) Solution 2 Right click on A-VIEW desktop icon, Select ‘Properties’ ,go to tab 'Compatibility' , enable 'Run program in compatibility mode for' and select any of the previous OS version(Win 7/Vista/XP) and |

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| | | | verify crash is not happening. |
| 13 | While playing 2D files | 2D file is not displayed properly. The issue happens on machines which has the latest version of Adobe Air installed. | Uninstall the latest version of Adobe Air & Install Air 17 version that comes with A-view full installer(Or click here to download Air 17 installer) |
| 14 | While sharing video with 100+ clients attending the session. | 1) When moderator pauses the video it keeps playing for few viewers. 2) Video gets stuck/blank for few viewers when moderator performs multiple seek or play/pause operation. (Both issues happen rarely) | NA |
| 15 | While sending meeting invitation to guest users | Guest users do not get the invitation mail on time. Issue happens at times. | NA |
| 16 | While playing 2D files along with chat, recording or video sharing. | Application gets stuck in some machines. Issue happens rarely and scenario is very rare. | NA |
| 17 | If you have low bandwidth or your network is fluctuating and you are trying to publish webinar | Webinar may get stopped automatically or an alert says “Webinar Cannot be started.” Or “No compatible drivers found for Audio Playback recording.” | Have good and steady bandwidth to the Webinar publishing machine. |
| 18 | Webinar in Chrome browser | “Flash plugin failed to load” | Make sure you have enough internet bandwidth to receive webinar. Turn on Adobe Flash Player: 1. On your computer, open Chrome. |

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| | | | <p>2. At the top right, click More > Settings.</p> <p>3. At the bottom, click Show advanced settings.</p> <p>4. Under "Privacy," click Content settings.</p> <p>5. Under "Flash," choose "Allow sites to run Flash."</p> <p>6. At the bottom, click Done.</p> <p>Update Adobe Flash Player</p> <p>1. On your computer, open Chrome.</p> <p>2. In the address bar at the top, enter <code>chrome://components</code> and press Enter.</p> <p>3. Under "Adobe Flash Player," click Check for update.</p> <p>4. Go back to the page with the Flash content. If it doesn't load automatically, at the top left, click Reload</p> |
| 19 | Pop-out or full screen YouTube sharing in A-VIEW | YouTube video will get blank or struck | You will have to exit and rejoin the session. |
| 20 | A-VIEW and Lite chat won't get display / sync | A-VIEW Lite would not work if the ports used for node server are not open in your network. | Make sure the ports for Lite are open in the network you are connecting through. Usually it would be 9080 or 8080. |
| 21 | While starting video in A-VIEW | User video getting cropped / appears dual / blank | Change resolution or camera type from Advanced settings |
| 22 | Start audio/video or change the audio driver while Streaming Webinar | Webinar will get stop | Start your audio/video before starting webinar and don't change the audio driver in between webinar streaming. |

Contact Us

Please direct all your specific release oriented questions, feedbacks and issues to aview@amrita.edu

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