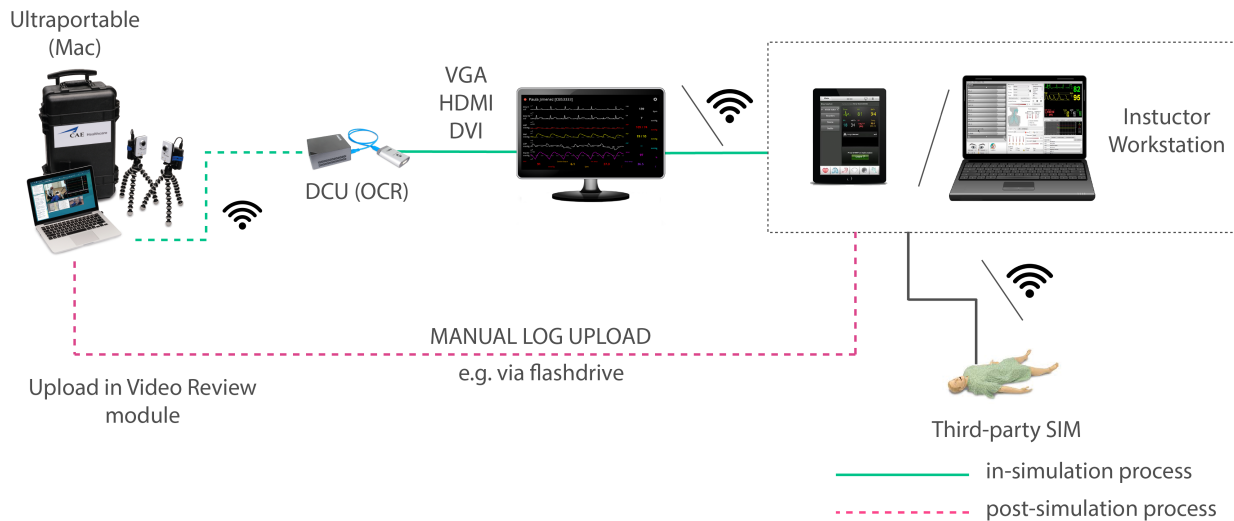


Third-Party Simulator Management for LearningSpace Ultraportable (MacBook)

IMPORTANT: CAE LearningSpace supports the simulators of the following two manufacturers: *Laerdal* and *Gaumard*. These third-party simulators can be connected to the system and data logs saved from such simulators can be uploaded to and synchronized with LearningSpace recordings.



With LearningSpace Ultraportable, integration of third-party simulator data can be achieved both live, that is, simultaneously with the simulation (in-simulation) and after the simulation is concluded (post-simulation).

With the help of OCR (optical character recognition), trend charts can also be displayed in-simulation along with the physiological data of the simulation.

Hardware Setup

Hardware setup is necessary for ensuring in-simulation waveform (and trend chart) display.

1. Connect the monitor displaying the waveforms of *non-CAE simulator* to the DVI port of the Framegrabber of the Display Capture Unit (DCU).



Display Capture Unit: Brix and Framegrabber

TIP: With an appropriate DVI-HDMI or DVI-VGA adapter, the monitor can be connected to the Framegrabber with an HDMI or VGA cable respectively.

NOTE: To display trend chart in LIVE view along with the waveforms, the DCU has to run OCR (optical character recognition) which transcribes the data of the waveforms into a trend chart. The OCR needs to be configured by the LearningSpace Support.

IMPORTANT: It is recommended that the display settings of the PC be set to 1080p resolution. Depending on the software/ hardware setup of the third-party simulator, the multi-screen display settings should be set to either 'mirroring' or 'extended' mode on the instructor workstation so as to ensure that the physiological data sent to the DCU is displayed in full screen.

2. Connect the Framegrabber to the Brix, then power it ON - it will connect wirelessly to the LearningSpace Ultraportable.

IMPORTANT: The Brix is not a PoE (Power over Ethernet) capable device, therefore it has to be connected to a power socket.

Manual Uploading of Data Log to a Selected Recording

Manual upload is a means of transferring third-party simulation data any time subsequent to the conclusion of the simulation scenario.

1. Save/ export the event log of the simulation from your workstation to a flash-drive.

NOTE: Depending on the third-party simulator, the following formats are available:

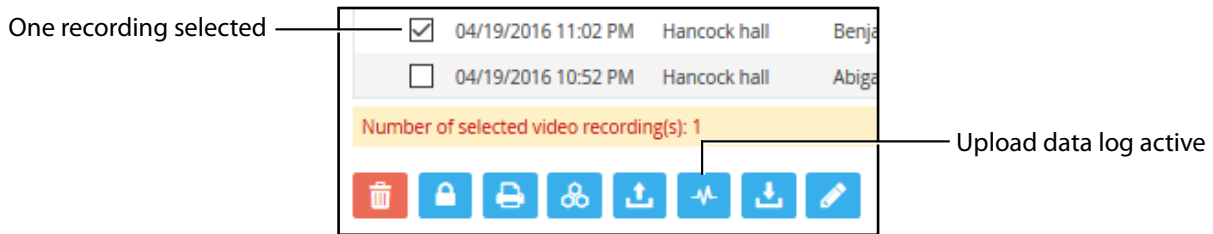
Laerdal: SSX, SSS, XML, SBR

Gaumard: TXT, XML

2. On the **Video Review** page, check the box of the encounter you intend to upload a data log to.

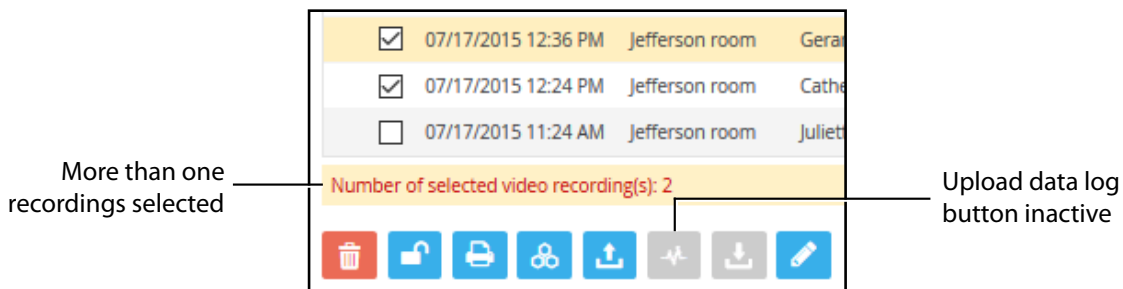
TIP: Use the *Quick search* bar for a targeted search.

The gray **Upload data log** button becomes activated.



Option buttons with one recording selected

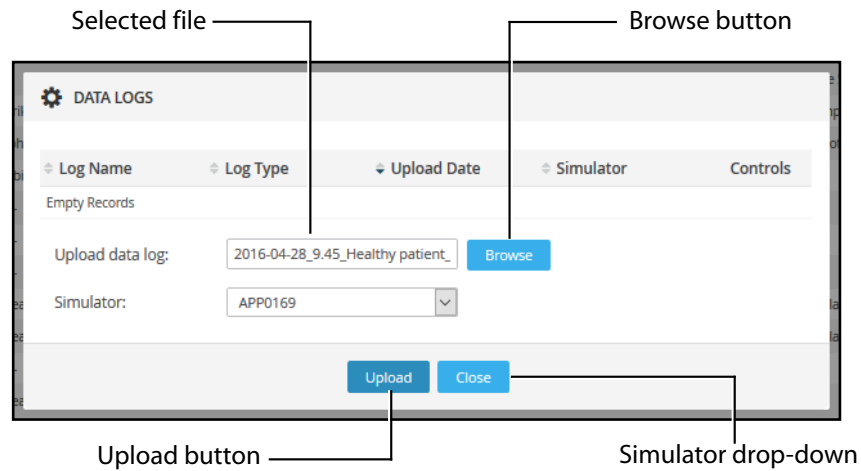
NOTE: Since data log can be uploaded to one specific encounter at a time, selecting more than one videos results in the button becoming deactivated (gray) again. (The number of selected recordings is indicated above the option buttons.)



Option buttons with multiple recordings selected

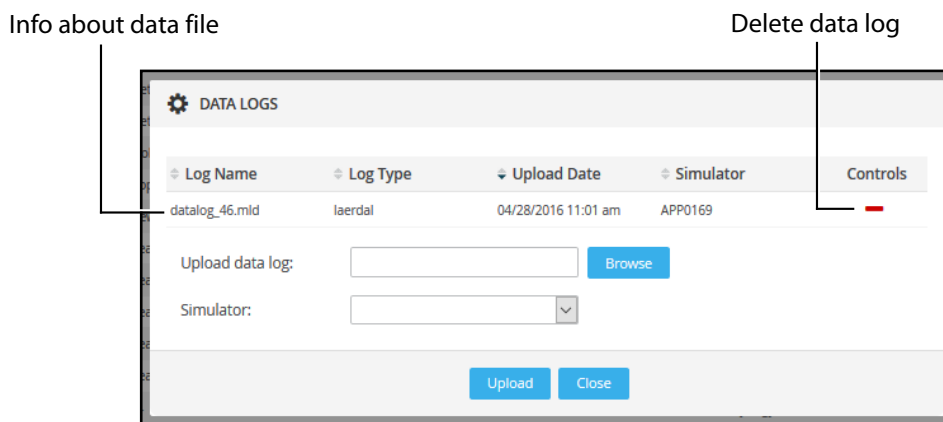
3. Click the **Upload data log** button.

The **Data Logs** pop-up window appears.



Data Logs pop-up window

4. Click the **Browse** button and select the file saved to your computer that you want to upload to the recording.
5. Select the simulator from the **Simulator** drop-down.
6. Click **Upload**.
NOTE: Depending on the size of the file, the upload may take a minute.
7. When the upload is complete, information about the data file is listed in the **Data Logs** pop-up.



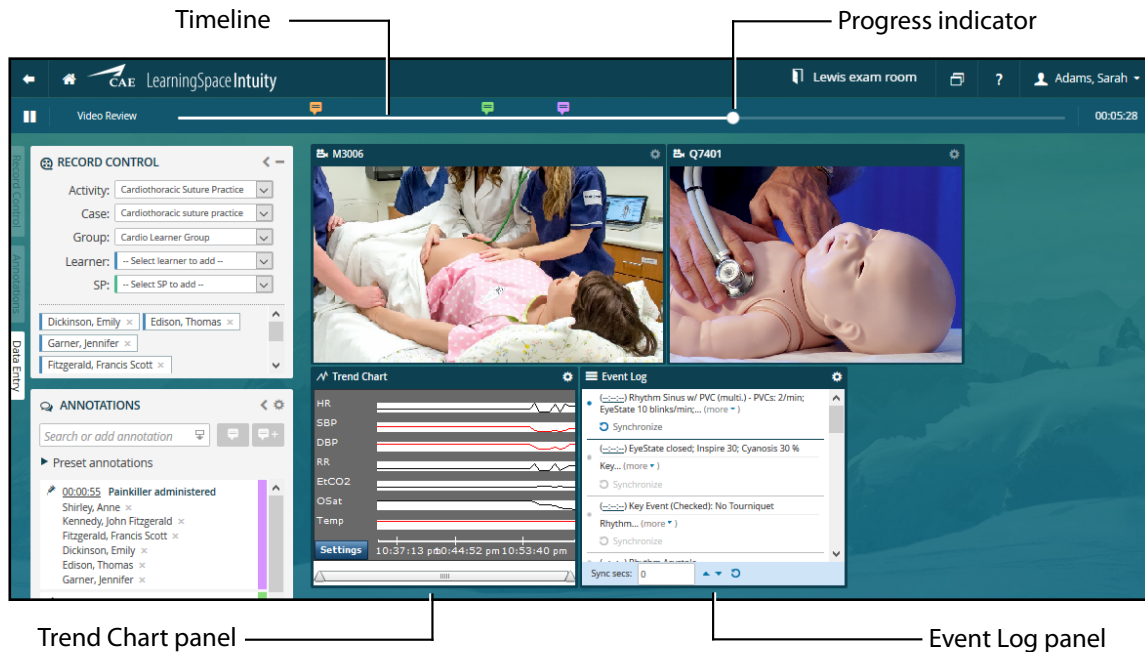
Data Log pop-up after upload

- TIP:** Click the red **minus** icon to delete the uploaded data log.
- NOTE:** Multiple event logs can be uploaded to a specific recording, providing that they do not overlap.
8. Click **Close** to return to the list of recordings.

To synchronize the uploaded data log with the recording:

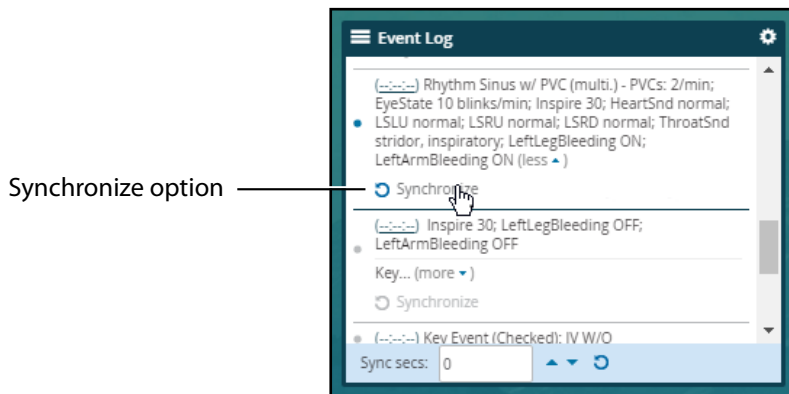
- Open the recording to which the data log has been uploaded.

The **Trend Chart** and **Event Log** panels will be displayed along with the video recordings.



Video Review screen of a recording with uploaded data log

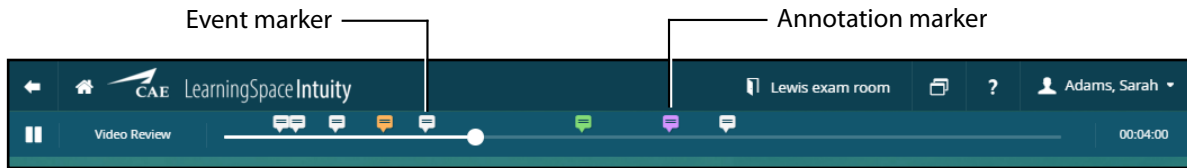
- In the **Event Log** panel, select a specific event that can be unambiguously linked to the recording.
- Use the progress indicator to display the selected event on the recording.
- When the selected event is screened, click **Synchronize** at the corresponding event in the **Event Log**.



Event Log panel when hovering over a specific event

NOTE: The **Synchronize** option is darkened when hovering over it within the selected event of the **Event Log** panel.

The synchronized events will be displayed by white flags on the timeline (as opposed to the color-coded annotation markers).



Timeline after synchronizing