

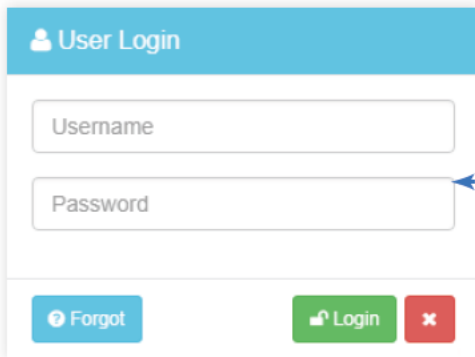
VieBit Live Quick Guide

Your VieBit® live web streaming account includes a customizable website for managing and displaying the audio and video feed from your LEIGHTRONIX encoder. The following encoders are compatible with VieBit:

IncodeX Vier®, IncodeX Stream™, and select legacy encoding equipment, such as the PEGstream-SD2™

Logging into your VieBit account

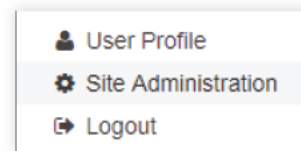
- 1 Log in to VieBit by first going to your site's custom URL. From there, click **Login** in the top right corner of your homepage and enter your login information.



The 'User Login' form features a blue header with a user icon and the text 'User Login'. Below the header are two input fields: 'Username' and 'Password'. At the bottom of the form are three buttons: a blue 'Forgot' button, a green 'Login' button with a white arrow icon, and a red 'X' button.

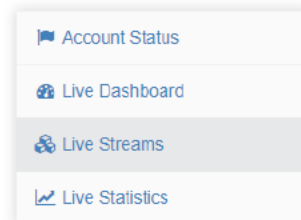
Refer to your welcome email message for username and password information.

- 2 Click **Site Administration** in the drop-down menu under your username to access administrative settings.




A dropdown menu with a white background and a grey border. It contains three items: 'User Profile' with a person icon, 'Site Administration' with a gear icon, and 'Logout' with a door icon.

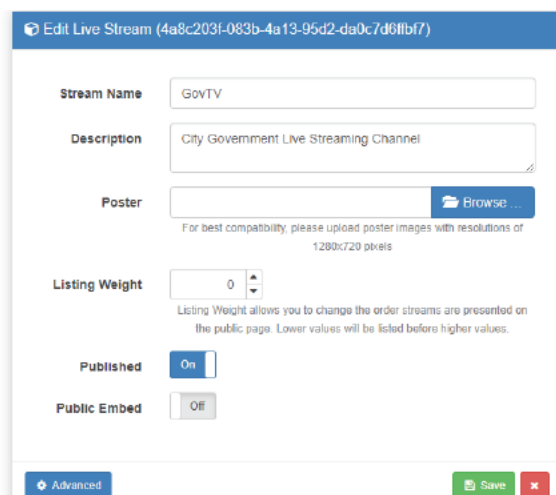
- 3 Clicking the Live Streams menu option on the left side of the screen provides access to encoder options .



A vertical menu with a white background and a grey border. It contains four items: 'Account Status' with a flag icon, 'Live Dashboard' with a dashboard icon, 'Live Streams' with a play icon and a grey background, and 'Live Statistics' with a line graph icon.

Edit Stream Information

Click **Edit** [] on the panel for the encoder you wish to manage. On the corresponding **Edit Stream** window, make changes to any of the following settings:



The 'Edit Live Stream' form has a blue header with the text 'Edit Live Stream (4a8c203f-083b-4a13-95d2-da0c7d8f1bf7)'. The form contains several fields: 'Stream Name' with the value 'GovTV', 'Description' with the value 'City Government Live Streaming Channel', 'Poster' with a 'Browse...' button and a note about image resolution, 'Listing Weight' with a value of '0' and a note about ordering, 'Published' with a toggle set to 'On', and 'Public Embed' with a toggle set to 'Off'. At the bottom are three buttons: a blue 'Advanced' button, a green 'Save' button with a white arrow icon, and a red 'X' button.


Stream Name

Type in the name for the stream that you want displayed for viewers above the VieBit video player and on the stream's selection button.

Description

If you want to provide further information to viewers about the live stream, type a description in this field. The description will be displayed under the video player.

Poster

The image that will be displayed on the VieBit video player window until viewers click the play button. Create a .jpg or .png image file in a third party graphics program that is no smaller than 640px wide by 360px high (default size of the video player) and no larger than 1920px wide by 1080px high (maximum fullscreen size of video player). Then upload the image by clicking **Browse** [] in the Poster field and navigating to the image's saved location.

NOTE: A poster image larger than the default video player size will be scaled down when the default player is displayed.

Edit Encoding Settings

Click **Advanced Settings** [] to reveal the following settings on the Advanced Stream Settings window. The encoding settings are used by your LEIGHTRONIX encoder to create the live stream. After selections have been made, click **save** [] to keep changes or **cancel** [] to cancel your choices. LEIGHTRONIX encoders regularly check with VieBit servers and will automatically update when new encoding settings are detected.

Advanced Settings Explained

Video Source

Choose either **Composite** or **SDI** (HD/SD-SDI signals) to specify the type of video input signal being used.

Audio Source

Use the Audio Source drop-down menu to specify the audio encode source as follows:

- If **Composite** is selected as the video source, Analog audio will automatically be selected and cannot be changed.
- If **SDI** is selected as the video source, choose either **Analog** to encode analog audio or, if there is audio embedded in your HD/SD-SDI video signal, select the corresponding embedded two-channel audio pair.

Resolution

Choose a resolution for the live stream that maintains the aspect ratio of the incoming video signal (4:3 or 16:9) to prevent image distortion. The selected resolution should also be the same or lower than that of the video source to maintain signal quality. As the resolution increases, the bandwidth needed from the VieBit account to deliver your stream will also increase.

Video Bitrate

Choose a video bitrate that maintains the quality of your video at the selected resolution.

Audio Bitrate

Choose an audio bitrate that maintains the quality of your audio source at the selected input signal.

H.264 Profile

Choose your encoder's H.264 encoding compression capabilities with the H.264 Profile drop-down menu.

- **Baseline** uses the fewest compression features and is best used when viewing on legacy mobile devices is necessary.
- **Main** offers a good balance between a quality video stream and broad compatibility with mobile devices.
- **High** offers the highest quality video stream at the selected bitrate. However, this profile requires more complex encoding and decoding, which will exceed the capabilities of some mobile devices. It is best used for desktop and laptop viewing.

Rate Control

Further control the encoder's data encoding bitrate with the **Rate Control** drop-down menu. The size and overall quality of the video stream is directly related to the bitrates the encoder uses for encoding, as well as how much bandwidth is required to deliver the stream to viewers. Choose from constant bitrate (**CBR**) or variable bitrate (**VBR**) as follows:

- CBR (Constant Bitrate) Encoding

CBR allows direct control of the encoding quality and outbound bitrate of the video stream, but is better suited for encoding video that does not contain a lot of movement to prevent an overly large data stream.

- VBR (Variable Bitrate)

VBR automatically adjusts the selected video bitrate during encoding, using higher bitrates during times of high motion within the incoming video signal while encoding the lower movement portions at lower video bitrates. The selected video bitrate is treated by the encoder as a target that the adjusted bitrates end up averaging over a period of time. VBR encoding results in a data stream that is smaller in size and requires less bandwidth than if the video had been encoded at a constant bitrate.

Anamorphic (only available for SD resolutions)

Enable this option for a widescreen video signal encoded at an SD resolution converted back to a 16:9 aspect ratio in the VieBit video player.

Encoder Status

Select **enabled** [] or **disabled** [] to start or stop your encoder's streaming service.

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