Establishing a Streaming Radio Feed for use with PulsePoint

The streaming radio button allows app users to monitor live radio traffic to accompany the incident list. When users navigate between agencies, the radio stream changes right along with the incident display to align with the agency selected. The CPR-needed activation screen includes the ability to listen to the radio during a response.

This radio traffic may offer insight into the patient location or scene conditions not available by other means. Including a streaming radio feed in your implementation will also likely increase community interest and engagement in your PulsePoint deployment.

Consider which radio channels will be available on the app

A streaming feed can be as simple as a single dispatch radio channel or may include a second channel, typically a tactical radio channel. More sophisticated streams might include more than two channels. These streams often include additional tactical frequencies but can be any combination of desired channels. Channels can also be broadcast as a left/right stereo pair, separating channels for users listening with headphones (i.e. dispatch on the left, tactical channels on the right).

Required hardware and physical connections

PulsePoint recommends the use of the Barix Instreamer Audio Encoder to convert radio audio from a scanner, logging recorder, etc. into a high-quality MP3 stream for use in the app. The Instreamer must be installed in a location with power, Internet and high quality radio audio sources nearby. Note: Other streaming audio hardware devices are available and may work just as well.
The Instreamer has a left and right audio input as shown above. If the audio source is a scanner the connection to the Instreamer is typically a 3.5mm stereo plug to dual RCA adapter cable, as shown below. Simply connect the plug to the scanner’s audio out and the RCA connectors to the Instreamer.

More complex environments involving several radios, or installations desiring greater control over audio sources, warrant the addition of an audio mixer. PulsePoint recommends the Behringer MX882 8-Channel Splitter/Mixer for this role.
Audio enters the MX882 from the radio source via a XLR Male connector.

Audio exits the MX882 and enters the Instreamer with a XLR Female to RCA Male cable, as shown below.

Apply to broadcast a feed on Broadcastify.com

Go to http://www.broadcastify.com/connect and select the link become a feed provider (https://broadcastify zendesk.com/ hc/en-us/articles/204740055-Becoming-a-Feed-Provider). Follow the steps shown to secure an approved audio feed application. Once accepted you will receive a confirmation email with the required links to manage your feed. This site will include the technical details necessary to configure your Instreamer for use on Broadcastify.

Configure the Instreamer

Follow the Barix Setup Instructions (http://wiki.radioreference.com/index.php/Barix_Instreamer_100_Network_Audio_Encoder_Setup_ Instructions) on the RadioReference Wiki site to configure the Instreamer with the feed details associated with your Broadcastify account.

Test and adjust your stream using the Broadcastify player.
Notify PulsePoint to add your feed to the app

Once you are satisfied with your feed let us know and we'll promptly add it to the app.

Official feed designation (optional)

Official Feeds are live audio feeds broadcast and sponsored directly by the agency being broadcast. Official broadcast feeds are specially identified with a red star under the feed genre column. An official feed designation requires a formal request by the agency (https://broadcastify.zendesk.com/hc/en-us/articles/204740085-Official-Feeds-Designation-Application-Process).

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<th>CA - Contra Costa</th>
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<th>Public Safety</th>
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Example Streaming Audio Rack