Streambox® IFB™

IFB Client for iOS

Review, 20 Feb 2023 for Ver 1.3 (or above)

STREAMBOX IFB SYSTEM OVERVIEW

The interruptible fold back system allows an audio feed to be sent to a reporter in the field. The audio feed can then be monitored by the reporter using an in-ear monitor. This allows the reporter to receive cues and other information from the news bureau or headquarters. Streambox IFB System is part of a complete satellite news gathering solution.

Streambox has updated their IFB client application for iOS. Here are steps for review:

Install the IFB Client

The UI contains the following items (image on right):
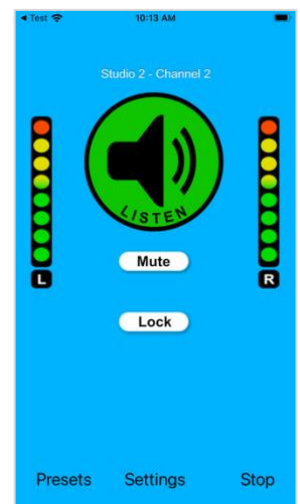
Presets menu: Select from a list of presets

Settings menu: Access settings pages

Stop button: Stop IFB input

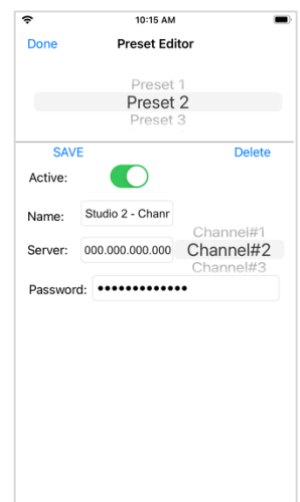Mute switch button: Mute audio without breaking connection

Lock switch button: Lock app UI until Unlock

Audio meters: Visual for audio incoming/levels

Add Channel

1. Select 'Settings' menu
2. Select 'Preset Setup'
3. Select the desired Preset (Preset 1...Preset 20)
4. Set the 'Active' switch ON (i.e., this allows for a Preset to be defined and not displayed)
5. Name: Provide a meaningful name (e.g., My IFB Ch-1)
6. Server: Provide a valid IPv4 server address (for test, use 96.79.192.49)
7. Channel: Select a Channel (for review, we will provide audio on Channels #1 - #6)
8. Password: Provide a password (for review, you can enter the word 'empty')
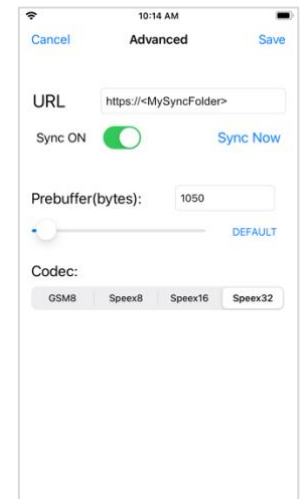
9. Click the 'SAVE' button, then 'Done'

Select a Preset
1. Select 'Presets' menu (from home screen)
2. Select desired 'Preset' (IFB audio should start in 1 to 10 seconds)

Change Audio Codec
The audio codecs provide range for low bandwidth (low quality) to high bandwidth (high quality): GMS8, Speex8, Speex16, Speex32.
1. Select 'Settings' Menu
2. Select 'Advanced Settings'
3. Select the desired 'Codec'
4. Click 'Save' button

Remote Sync Presets (populate Presets with a remotely located XML file)
1. Select 'Settings' Menu
2. Select 'Advanced Settings'
3. Enter a URL location of the XML file. For example, you could use an xml (sync) file located on Dropbox and then copy and paste the Dropbox link (Note: the last digit, usually 0, is set to 1 for download E.g., https://www.dropbox.com/s/*<dropbox id>*?/*<ifb-sync.xml>*?**dl=1**
4. Click 'Sync Now'
5. If you set Sync ON, the IFB app will attempt to update the list each time the app is loaded.

Sync XML Format
* **active="1"** designates active/visible channels, "0" for disabled channel
* **name=" "** friendly name of channel
* **ip=" "** public IPv4 of IFB server
* **password=" "** password for IFB server
* **channel="1"** Channel number (1 to 20)
* **buffersizems="1050"** Buffer size (1050 default)
* **codec="0"** Audio codec (0=GSM8, 1=Speex8, 2=Speex16, 3=Speex32)

Sync XML Example
```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<root>
 <ifbChannels active="1">
   <ifbChannel name="" ip="" password=" " channel="1" buffersizems="1050" codec="0"/>
     </ifbChannels>
    …
     <ifbChannels active="1">
   <ifbChannel name="" ip="" password=" " channel="20" buffersizems="1050" codec="3"/>
   </ifbChannels>
</root>
```

About Page

From the 'Settings' menu select 'About…'

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