

ClearOne®

StreamNet™ Internet Radio

Streaming vTuner™ Internet Radio to DigiLinX™ / VIEW™ Products

SETUP MANUAL



Introduction

PRODUCT OVERVIEW

The vTuner internet radio tuner for StreamNet provides the leading gateway technology to connect your StreamNet products to the wide world of streamed music.

The vTuner provides the following advantages:

- Internet Media becomes a “Media Server” within StreamNet
- vTuner becomes an integral part of your DigiLinX audio system
- Works with TouchLinX™ TLA250, SpeakerLinX™ SL251 and SLX300
- Fully integrates with VIEW for commercial AV distribution systems
- Accesses an extremely broad international media variety and quality
- Provides content-on-demand

vTUNER OPERATION

The vTuner in your StreamNet powered system operates as follows:

1. The streaming media device contacts the vTuner login server
2. The login server passes the request to one of several database servers
3. The database server helps you browse or search the station listings
4. The server identifies your chosen station and a connection is established to the media
5. The vTuner-enabled streaming media device begins streaming the station feed

SOFTWARE REQUIREMENTS

The software required to install vTuner is the StreamNet Applications Suite SAS 1.09.02 (or higher) which contains StreamNet Dealer Setup and Firmware version 02.80.02.

INSTALLER REQUIREMENTS

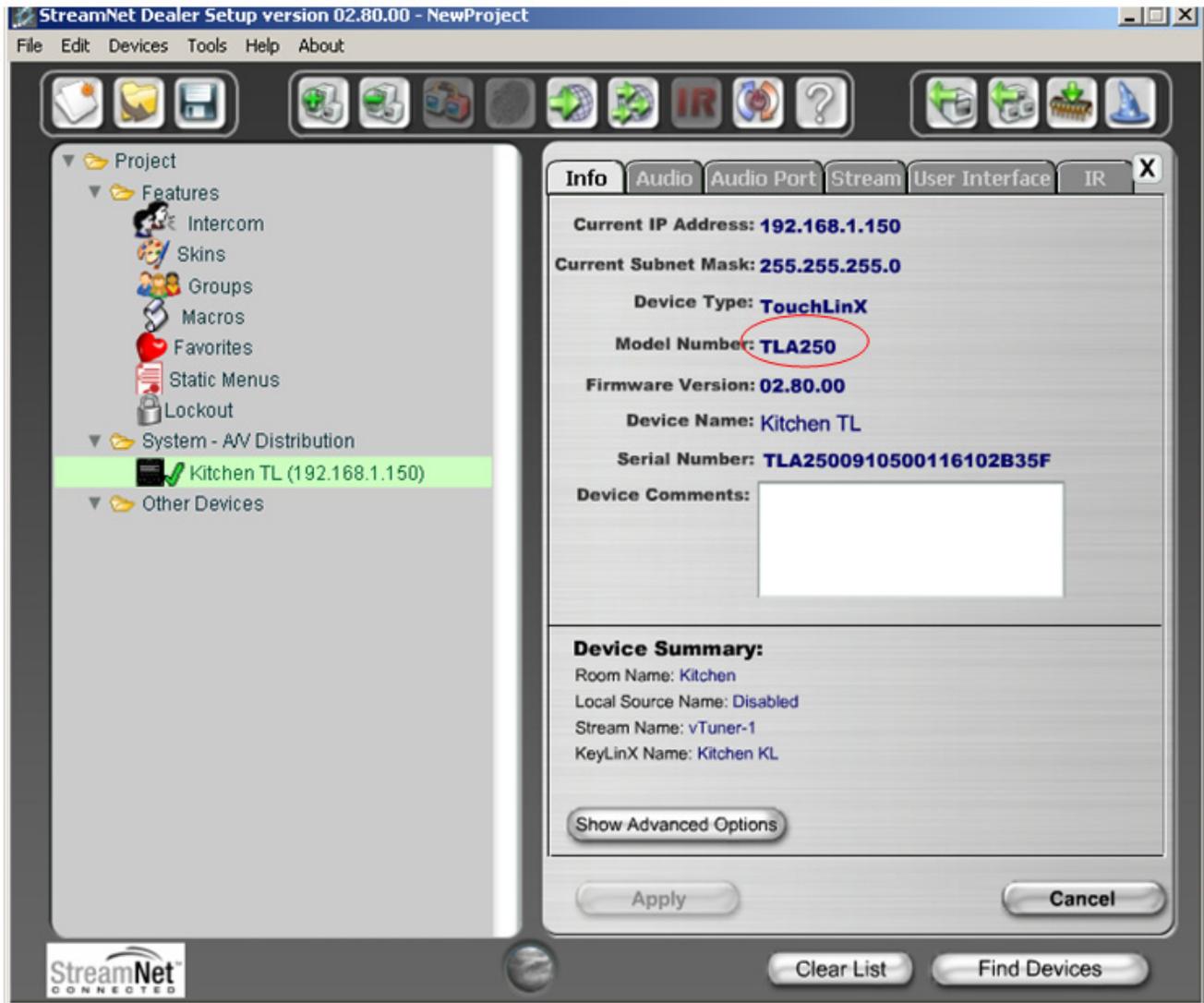
This manual assumes the installer:

- Knows how to install StreamNet DigiLinX and/or VIEW system components
- Understands the Dealer Setup Program and how to configure sources.

Installing and Configuring the vTuner

The vTuner is a media source and must be hosted in a TouchLinX TLA250, SpeakerLinX SL251 or SLX300. You can have more than one vTuner source in a system but each must be separately hosted so that each can independently stream audio in the system. The following screen displays show how this hosting configuration can be performed in the Dealer Setup Program.

Only a TLA250, SL251, or SLX300 can host vTuner:

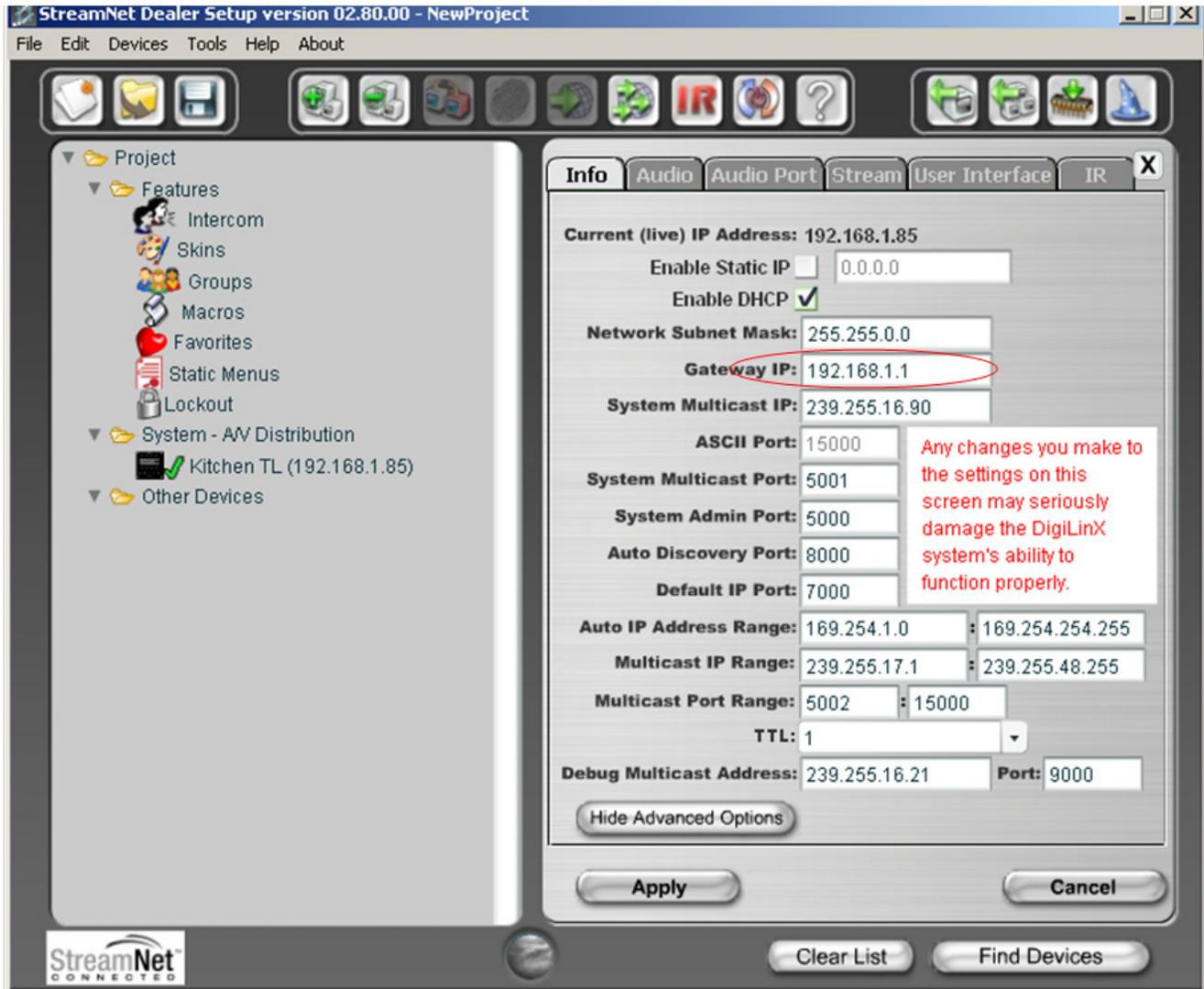


It's best if the entire system is set for DHCP to allow the devices receiving the streaming audio to display station art.



If the system is all set to enable DHCP then all station art is enabled for devices that can view it. If the entire system does not run with DHCP enabled, then you will need to set the gateway for each TLA250, SL251, or SLX300 hosting vTuner in the device's **Advanced Options** screen.

» Note: The TouchLinX screens must be set to use DHCP To display station art.



On the **Stream** tab select vTuner from the **Media Server** drop-down.



Below is a configured TLA250 set up for vTuner.

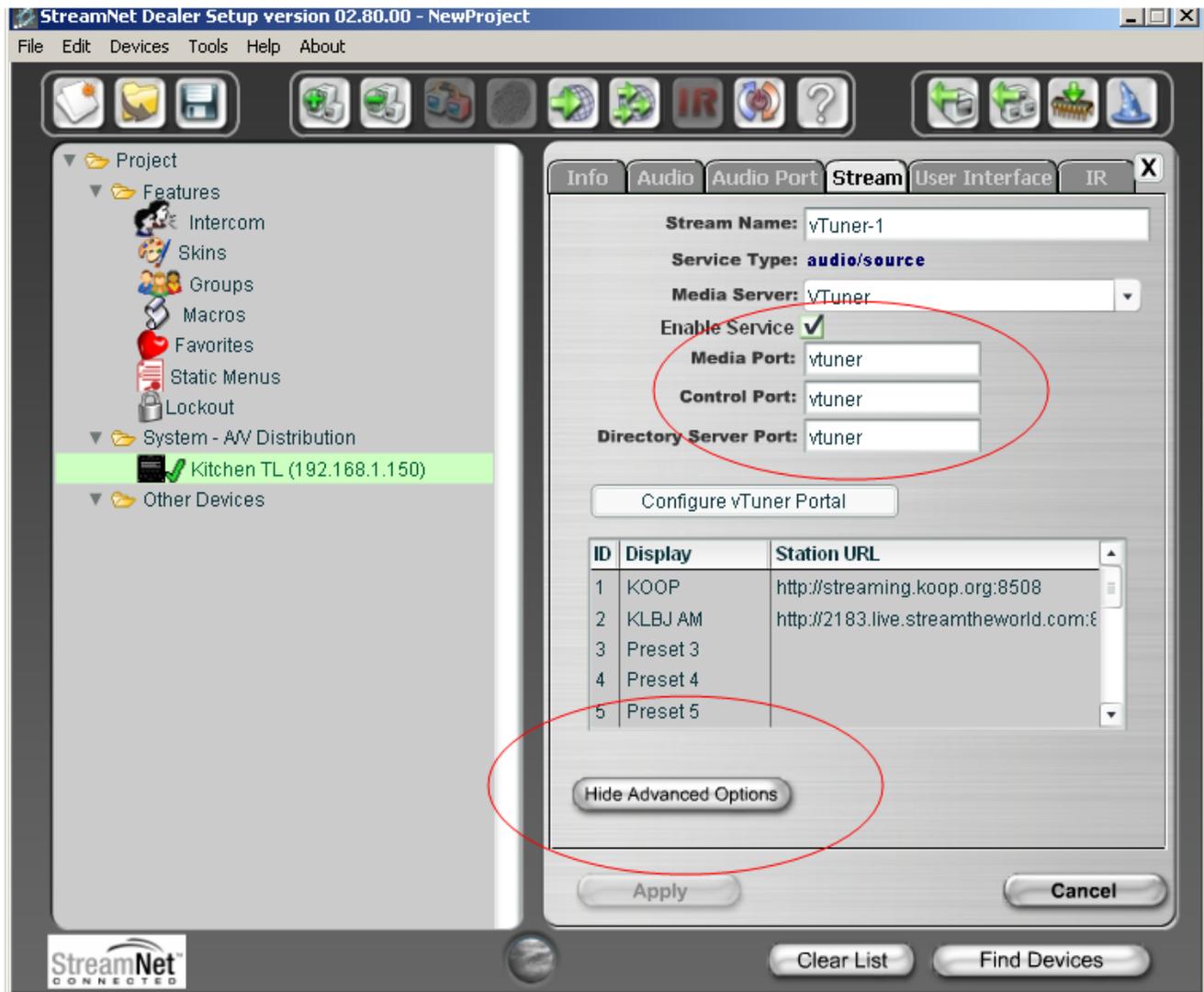
- » Note that if a TLA250, SL251, or SLX300 is going to host a vTuner it cannot host (Proxy) a stream from a Media Server or from its Local Source (Audio Port/BluePort).



To put in Presets, those stations that will be accessed by a single button on the GUI, you enter the stream URL in the box above assigning it to a Preset ID.

- » Note: You can enter the URL by manually tuning to the station and seeing it on the GUI, or just navigate to vTuner or any streaming audio source in a browser and copy/paste the URL in here.

When the **Show Advanced Options** button is clicked the **Media Port**, **Control Port** and **Directory Server Port** are displayed. Leave these at the vTuner defaults. Clicking the **Hide Advanced Options** button will hide these defaults.

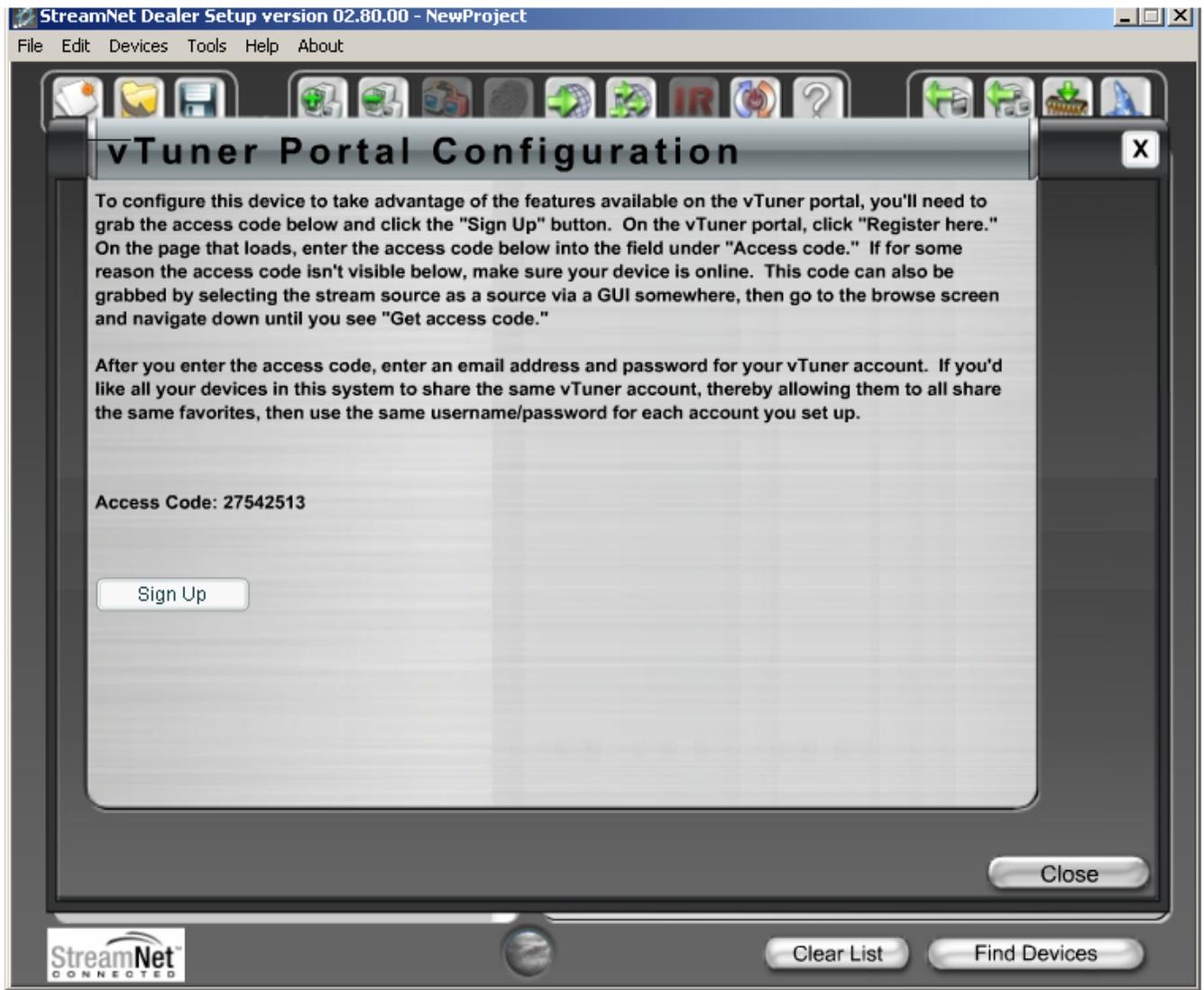


A Portal Access is a useful tool for the installer using the Dealer Setup to access the vTuner Servers that will contain the information about the individual vTuners in the StreamNet installation. The dealer can use this to setup and maintain favorites listings and other features.

An Access code is generated by the setup for vTuner for the device upon which it is hosted. This access code is used in the portal. One way to find the code number you need to manage vTuner from the Web Portal is by clicking on the **Configure vTuner Portal** button on the **Stream** tab.



The description in the picture below describes how you can manage multiple vTuners individually or tie them all together so they all share the same Favorites list.



Click on the **Sign Up** button to launch a browser to take you to a sign up screen. You don't need to do this from Dealer Setup.

You can get here from any browser by going to <http://netstreams.vtuner.com>.

Click on the **Register here** link to initially set up your account.



Put that previous Access Code in here. Create an account using an E-mail (Username) and Password. Do this for all vTuners in the installation. If you use the same E-mail and Password for each vTuner you can link all their Favorites together. If each one requires its own Portal/Favorites then use a different username (email) and Password for each Access Code for each device.

Create Account Login

1. Please enter the Access code for your Media Player (Please refer to your Media Player instruction manual to find your Access code):

Access code:

2. Type in your Email Address, then enter in your Password twice to verify accuracy, click the register link to continue. Please keep track of your password since it will be used every time you log in to your account.

E-Mail Address:

Password: Must be at least 6 characters

Enter Password Again:

This is what is seen after registering on the portal site. Here is where you manage Favorites which, if you use the same Username/Password for all vTuners, will be for all of them.

The screenshot shows the NETSTREAMS user interface. At the top, there are navigation links for Home, Language (with flags for UK, Germany, Spain, Italy, Japan, and Brazil), My Preferences, and Help. The main header features the NETSTREAMS logo and the slogan "The Power of AV over IP". Below this is a large banner image of a mobile phone displaying a station interface. To the right of the banner is a "Logout" link and a "STATUS" box indicating "12885 Stations Available" and a link for "New Stations".

The main content area is divided into several sections:

- My Favourite Groups:** A link for "My Favorites".
- My Added Stations:** A section where users can add their own stations, with a link to add a station not in the list.
- Search:** A search bar with radio buttons for "Stations" (selected) and "Podcasts", and a search button.
- Browse by Format, Location or Language:** A section with links for "Browse Stations by Format", "Browse Stations by Location", "Browse Stations by Language", "Browse Podcasts by Format", and "Browse Podcasts by Location".
- Music:** A list of music genres with their respective counts:

Alternative (457)	Folk (192)	Show Tunes (2)
Ambient (117)	Gospel (119)	Smooth Jazz (87)
Big Band (28)	Hard Rock (144)	Soft Rock (160)
Bluegrass (22)	Hip Hop (289)	Soundtracks (47)

After vTuner is configured and selected as a streaming source for your host device, here's what you see initially while it connects to the Internet.



If you have set up Presets in Dealer Setup, then this is the next screen you see with the Presets in place.



Selecting a preset stream will automatically start streaming the audio. Here's what you see while the stream is opening:



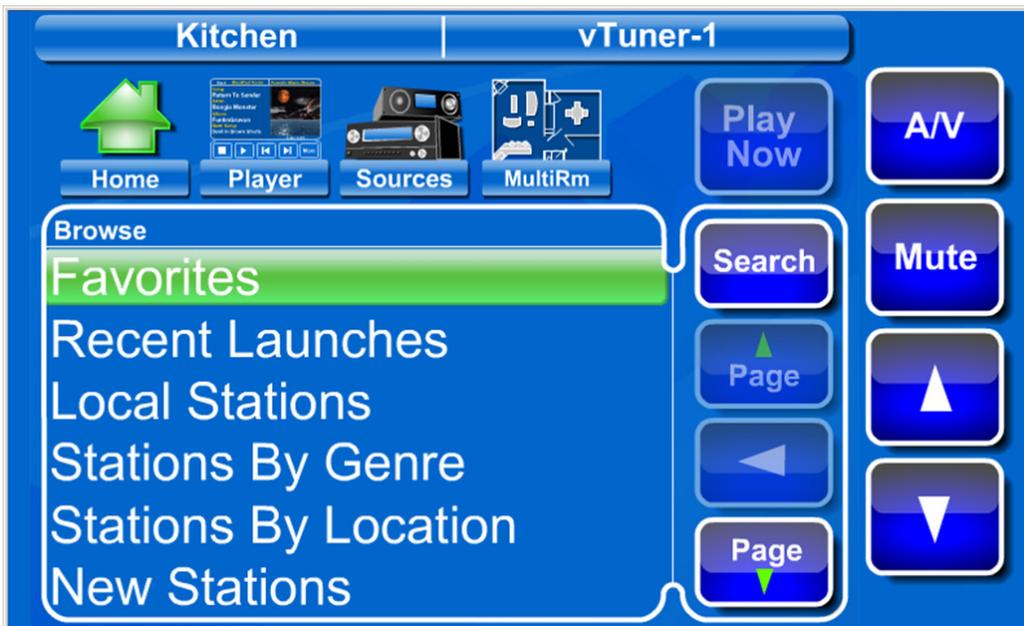
Here's the Stream playing. Press the **Add Favorite** button to add this station to your Favorites. This can also be done if the station being played is not a preset, but was selected by browsing.



Click/Tap anywhere in the middle of the GUI to get this screen where at the top you can change **Locations**, **Sources**, or use the **Browse** option to change stations.



Pressing **Browse** takes you here. This is very much like the GUI for the other DigiLinX supported media servers. These Favorites can be added from a TL/GUI or managed from the web portal.



Pressing the **Page Down** button until you get to the bottom gives you an entry to the **Get access code**.



This is what you enter in to register on the web portal so you don't need to get this from Dealer Setup as shown.

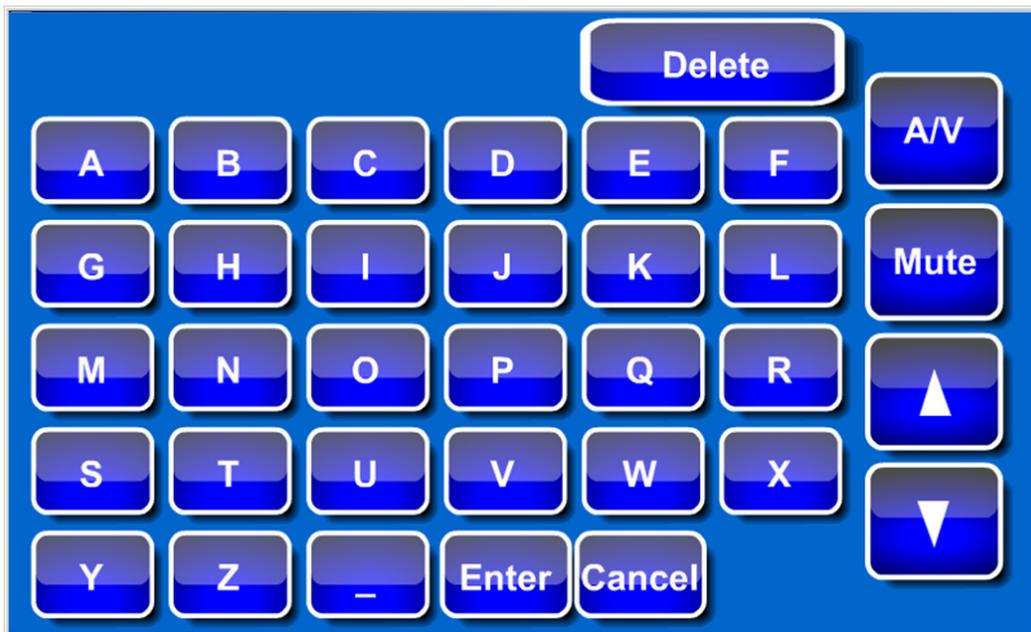


From the **Browse** menu, or by selecting this vTuner **Source** when it had no Presets programmed, or if in the Presets screen by pressing **MORE** you would arrive at this screen presenting another way to add a Favorite.

If the station playing is already a Favorite, the option would display **Remove Favorite**.



By pushing the **SEARCH** button on the previous screen, you arrive at a screen to enter search terms to conduct a search on the vTuner server. If you typed **KLB** and pressed **Enter**, you would find KLBj AM & KLBj FM from all the possible stations you could select.





The Power of AV over IP™

> ClearOne LOCATIONS

Headquarters:

Salt Lake City, UT USA

5225 Wiley Post Way
Suite 500
Salt Lake City, UT 84116
Tel: 801-975-7200
Toll Free: 800-945-7730
Fax: 801-977-0087
sales@clearone.com

LTAM

Tel: 801-974-3621
global@clearone.com

EMEA

Tel: 44 (0) 1189 036 053
global@clearone.com

APAC

Tel: 801-303-3388
global@clearone.com

TechSales

Tel: 800.705.2103
E-mail: techsales@clearone.com

Technical Support

Tel: 800.283.5936
E-mail:
tech.support@clearone.com

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