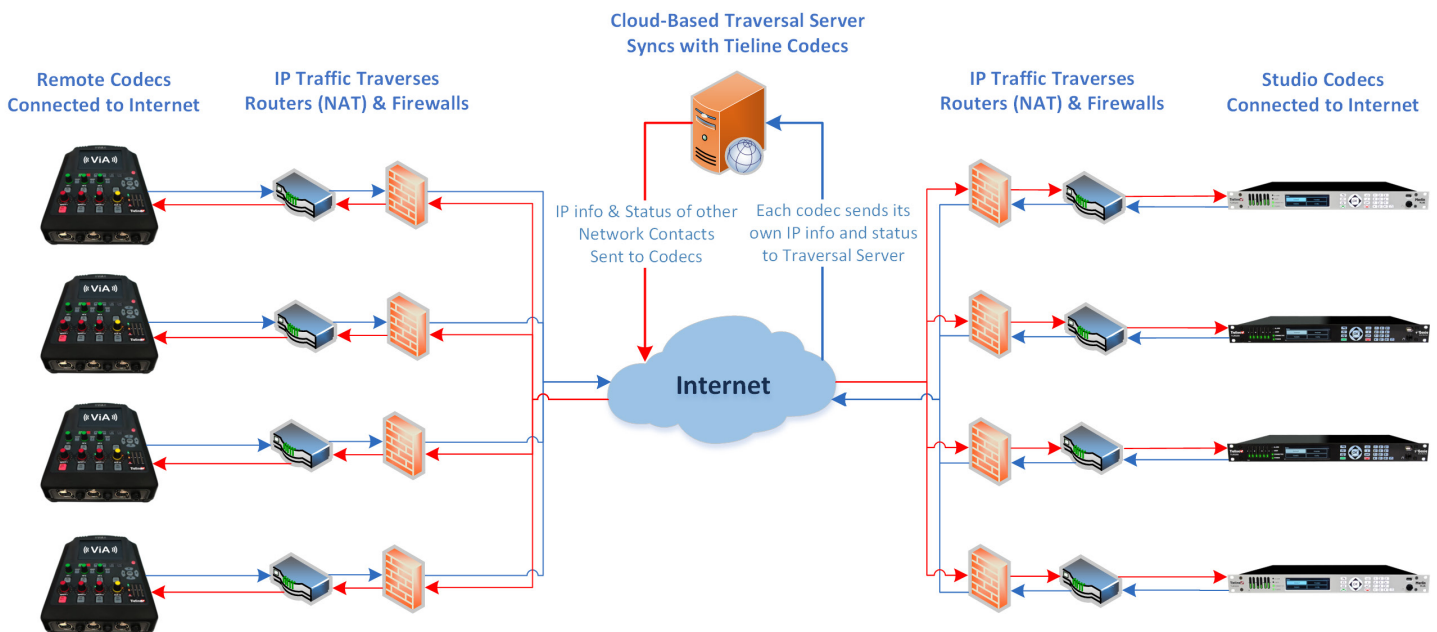# TieLink

Traversal Server

Can you imagine connecting your codecs easily over IP without the hassle of complicated network configuration? With the TieLink Traversal Server you no longer need to worry about tedious and complex IP network configuration – those days are over! TieLink facilitates simple codec discovery, NAT traversal, and connections throughout your entire network.

How does it work.

Connect your codec to an IP network and seconds later the screen lists all the IP codecs in the group or network to which you can connect, just like in a cell-phone address book. The on-screen status displays if codecs are connected already, or available to dial. Simply select a contact and press 'dial' to connect. The TieLink Traversal Server takes care of all IP call routing automatically.

TieLink is a secure, independently hosted global server network, with multiple global backups. It centralizes TieLink codec contact list management and provides self-discovery of codecs within customized 'call-groups'. It also provides NAT traversal to simplify connections.
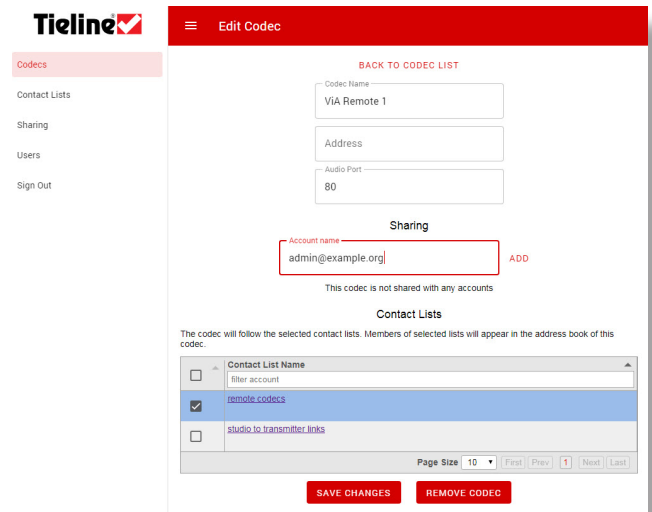

Cloud-Based Traversal Server
Syncs with Tieline Codecs

Remote Codecs
Connected to Internet

IP Traffic Traverses
Routers (NAT) & Firewalls

IP info & Status of other
Network Contacts
Sent to Codecs

Each codec sends its
own IP info and status
to Traversal Server

IP Traffic Traverses
Routers (NAT) & Firewalls

Studio Codecs
Connected to Internet

Internet

Tieline®
The Codec Company

Using a simple HTML5 web-browser interface, engineers can log in and register their codecs with TieLink. Simply name your codec (e.g. BAYFM Studio A) and complete the registration details. Once registered, a codec will automatically connect to TieLink each time it connects to the internet:

1. TieLink automatically detects a codec's IP address and NAT routing information. Seconds later the codec address book populates with all codecs in the network, or a subset of codecs in an authorized call-group.

2. The registered codec will appear in the address books of all other codecs registered with TieLink and connected to the internet. Call-groups can be created to customize the number of codecs visible to users and engineers within large networks.

3. Users can easily view the online or offline status of all codecs in a group and whether it is connected or disconnected.
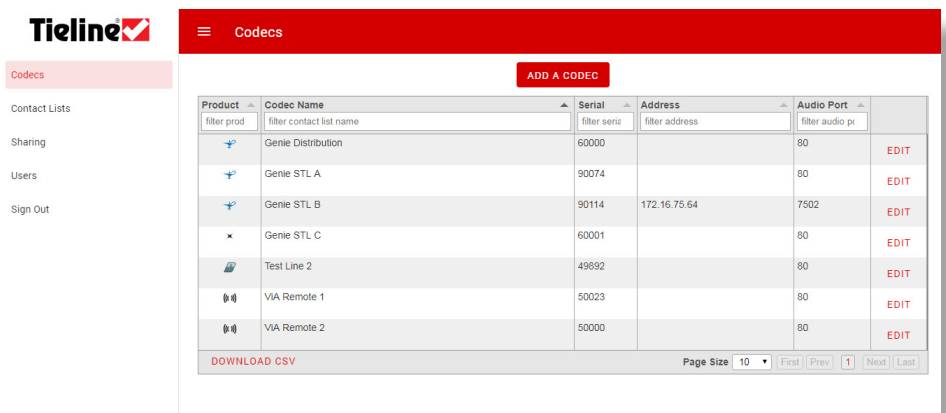
Manage Call Groups Easily...

Whether you are running a large network with hundreds of IP codecs, or a small station with just a few, the TieLink Traversal Server and Toolbox software makes connecting over IP networks a simple, no-fuss task for non-technical broadcast personnel.

For networks with large numbers of devices, it is easy to create sub-groups and configure a codec to follow a specific group, e.g. news or sports.

All of the codecs in your network are secure and cannot be seen by other users unless they have permission to join the network, or a specific codec call-group.

Seamless IP Interoperability

TieLink operates over most* wired and wireless IP networks and is as simple as making a phone call to get connected. It is free to use with all Gateway, ViA, Genie and Merlin codecs.

Make life simpler - get the Cloud Codec Controller

When combined with the Cloud Codec Controller, which is designed to manage an entire fleet of Tieline codecs remotely, engineers now can configure, connect and monitor all remote codecs from the studio more easily than ever before!

*Excludes some types of NATs and some combinations of NAT types.

Extensive dealer network with global telephone support in 2 strategic locations around the world

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