



VCOM DEMO OUTLINE

Before You Begin

- Recommend use/purchase of USB headset for easy configuration
- If behind a Corporate Firewall Allow TCP connection for data on port 1000 and UDP connection for audio on port 1000
- Forward the 'VCOM Demo Guide' on how to download, install, configure, and login a VCOM Control Panel to the VCOM Virtual Matrix (system's server-side summing/mixing engine) over the Internet set up for demos. Note that in a typical deployment and sometimes as a "step-two" demo/trial the customer will install the Virtual Matrix within their own internal network.

Getting Started

- Walk through the 'VCOM Demo Guide.' If needed, comprehensive configuration instructions are available in Section 3, Configuration, in the VCOM Control Panel User Guide.
- To continue the demonstration over VCOM click the 'Talk' of the selector logged in for the demo (Station 1-5) and have the user establish a voice path by clicking on the flashing selector on their control panel. You can now talk to each other on the Point-to-Point established.
- *For issues logging into VCOM or if you do not hear each other refer to Section 5, Troubleshooting, in the VCOM Control Panel User Guide.*

Basic Functionality

Client Control Panel Selectors (keys) can be configured for Talk, Listen, or Talk/Listen. Red keys are 'Talks' and green keys are 'Listens.'


Client Control Panel Selectors dynamically indicate the state of the associated channel -> offline (gray), online (green and/or red), actuated (bright green and/or red), channel activity (color oscillates), incoming call (fast flash), device active tally (slow flash), in-use tally (slow double flash)


VCOM enables Full multi channel/multi access, non-blocking professional communications. You can configure the following types of channels:


- Point to Point (private channel between any two operators), which you are currently on.
- Group Call (one caller to many listeners), demonstrated by the 'All Page' selector.
- Party Line (group conference). Have the user click 'Party Line 1,' and move over to it to demonstrate.

Control Panel Buttons


Upper Left Hand Side

 Logs the control panel off and brings you back to the 'VCOM Control Panel Login' screen.

 Displays the 'VCOM Control Panel Configuration' window, also accessible from the Login screen.

 Displays the 'VCOM Control Panel Options' window where you can hide disabled selectors, hide selector legends [on-selector listen ('L') and talk ('T') identifiers], set audio sampling rates [Narrowband (8KHz), Wideband (16KHz), and Ultra Wideband (32KHz)], and select echo cancellation.



 Brings you to the 'Statistics' window that displays your send and receive audio rates and packet loss data.

Lower Left Hand Side

Mute mic () , mute speaker () , adjust master volume slider.

Interfacing

- The system interfaces with two-way radios, hardware-based communications systems, and public/private telephone networks.
- VCOM uses inexpensive, readily available, 1 to 12 channel audio in/out devices that accept four-wire audio inputs and feed into any computer on the network via USB or FireWire connection. Recommended devices are listed on the IntraCom Systems website.
- GPIO's are used for logic control of external devices such as two way radio transmitters.
- Click on 'KDFC' to demonstrate a four-wire audio input.
- Right click on one of the 'Phone' selectors to bring up a dial-pad; enter 1 + area code + number and click 'Dial' to establish a phone line. Caller ID will show up on the selector.

Context Menus

Control Panel Context Menu

Right click anywhere on the control panel other than over the selectors to display the Control Panel Context Menu.

- Select 'Always on Top' to keep your control panel always in the foreground.
- Select 'Compact' to hide your control panel's borders.
- Select 'Expand' to show your control panel's borders.
The control panel can be oriented vertically by selecting 'Expand' until the main Windows border appears and then dragging the frame horizontally.
- Select 'About VCOM' to view your control panel version and support contact information.

Selector Context Menu

Right click on a selector (use KDFC) to bring up the Selector Content Menu.

- 'Selector Volume +' and 'Selector Volume -' increase/decrease individual channel levels a maximum of 18dB in 6dB steps. You can also use your computer keyboard by first ensuring that the application has keyboard focus, highlighting the label you want to change with the mouse and then use the +/- keys on the numeric keypad.
- Select 'Release Remote Talk' to unlatch another user's talk path to you.

Mention

- VCOM is Optimized to work over 56kbps dial-up connection
- Each control panel uses ~30kbps; zero when no traffic
- Support 200 users on one Quad-Core Processor
- In Beta: VCOM control panels work on Windows Mobile 5.0 or higher Handhelds using WiFi or data cellular internet connection.

Next Steps

- Digest all this info!
- Schedule time to install, configure, and demo VCOM Device Interface, Virtual Matrix, and System Administration Application within customer's network.