

VOIP Virtual Keypanel User Manual

Telex Communications
12000 Portland Avenue South
Burnsville MN 55337

RTS[™]

TELEX[®]

STOP!

There are two versions of the software that can be installed from installation cd, English and Japanese. Please following the installation instructions for the keypanel you desire.

PROPRIETARY NOTICE

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UNPACKING AND INSPECTION

Immediately upon receipt of the equipment, inspect the shipping container and the contents carefully for any discrepancies or damage. Should there be any, notify the freight company and the dealer at once.

WARRANTY

See the enclosed warranty card.

CUSTOMER SUPPORT

Technical Questions should be directed to:

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Telephone: 800-392-3497
Fax: 800-323-0498

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Chapter 1

Introduction

General Description

The RTS™ VOIP Virtual Keypanel (VKP) is a Windows®-based application that allows any user to have a fully functioning RTS™ Matrix Intercom User Station on their PC.

The Virtual Keypanel application connects via the PC's Ethernet connection to any path that can support standard IP protocols, including LAN, WAN, and VPN.

The RTS™ Virtual Keypanel Application is compatible with any RTS Matrix Intercom equipped with the RVON interface. The Virtual Keypanel brings a new level of enterprise-wide and remote access to your RTS Matrix Intercom System.

Features

VOIP:

Using the same Voice Over IP technology as the RVON cards, the VOIP Virtual Keypanel is compatible with any RTS™ Matrix Intercom system equipped with the RVON interfaces.

GUI Interface Skins:

The RTS™ Virtual Keypanel has three standard interface skins - KP-32, KP-812 Lever Key and KP-812 Push button styles. Other skins can be easily created to fit the needs of individual environment giving a highly application specific configuration option. Contact Telex for special requirements.

Convenience:

With VOIP Virtual Keypanel running under Windows®, no special dedicated hardware is required. The same PC that runs your general purpose applications, such as spreadsheets, word processors, AZedit, can SIMULTANEOUSLY function as a matrix keypanel.

Worldwide Connections:

Remote communications using VOIP Virtual Keypanel and a compatible computer, RTS™ Matrix communications can be accessed from anywhere in the world that an IP compliant LAN connection can be made.

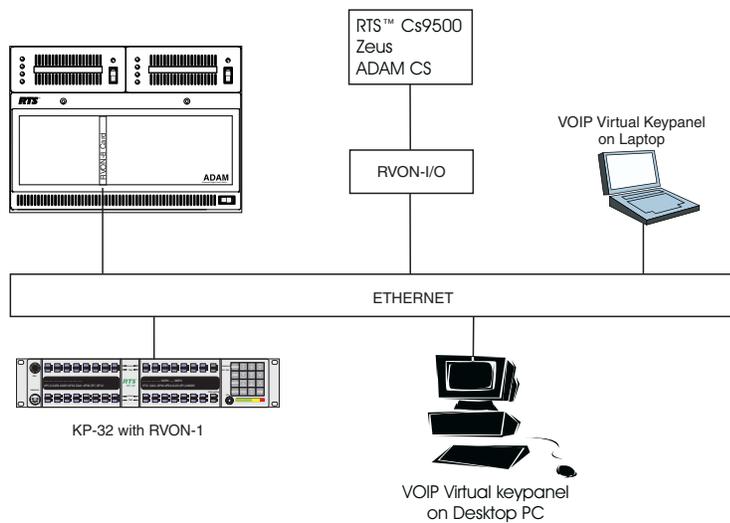
Installation:

Insert the USB Security Dongle, choose the English or Japanese version, install the software, connect to the LAN, Done.

Specifications

| | |
|-------------------|--|
| Operating System: | Windows 2000 or higher |
| Sound Card: | Must be detected as an audio device |
| Peripherals: | Microphone and Speaker/Headset |
| Hard Drive: | at least 20MB space required |
| Connections: | Ethernet Connection, USB Security Dongle |
| Protocols: | G.711 μ |

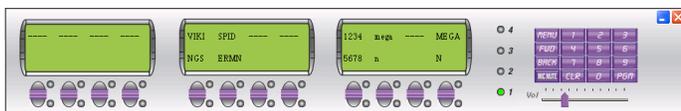
System Diagram



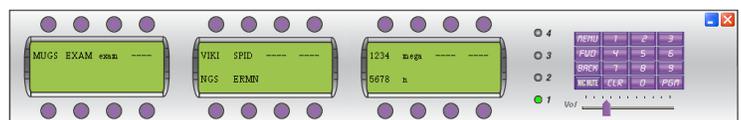
Virtual Keypanel Skins



KP-32 Lever Key Keypanel



KP-812 Lever Key Keypanel



KP-812 Pushbutton Keypanel

Installation and Setup

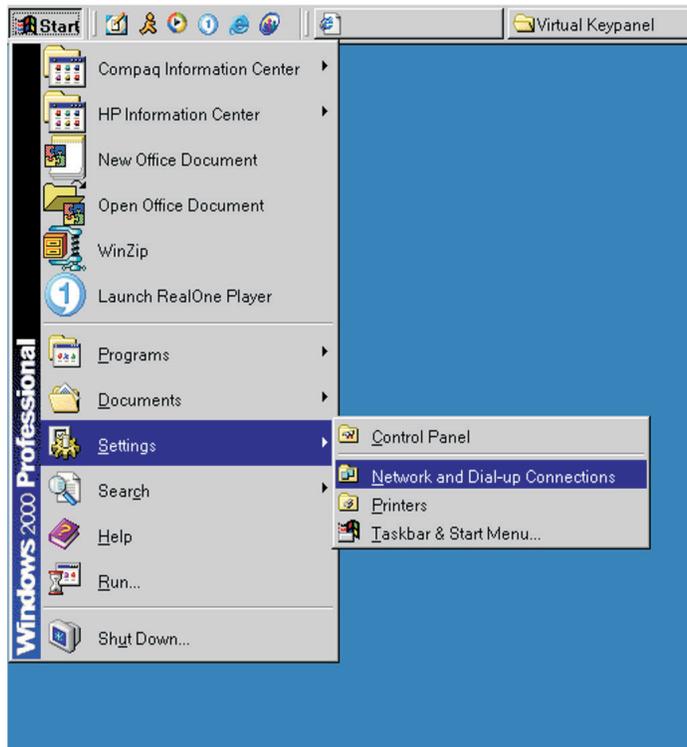
Before installing the **VOIP Virtual Keypanel (VKP)** on your PC, you need to configure the network connection so it will function properly with the VKP software.

IMPORTANT: The VKP application supports static IP Addressing. Dynamic Addressing is not supported at this time.

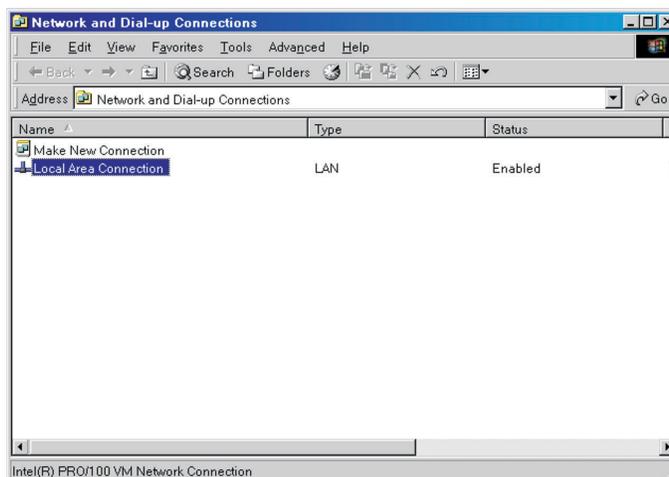
NOTE: Contact your IT Administrator to verify the static IP Address for your machine.

To configure your network connection, do the following:

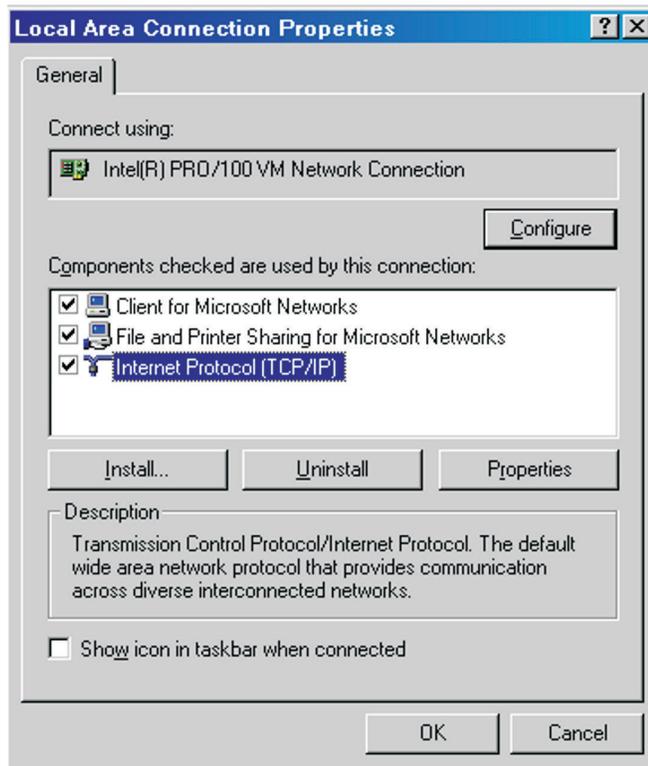
1. From the Start Menu, select **Settings** and then **Network and Dial-up Connections**.



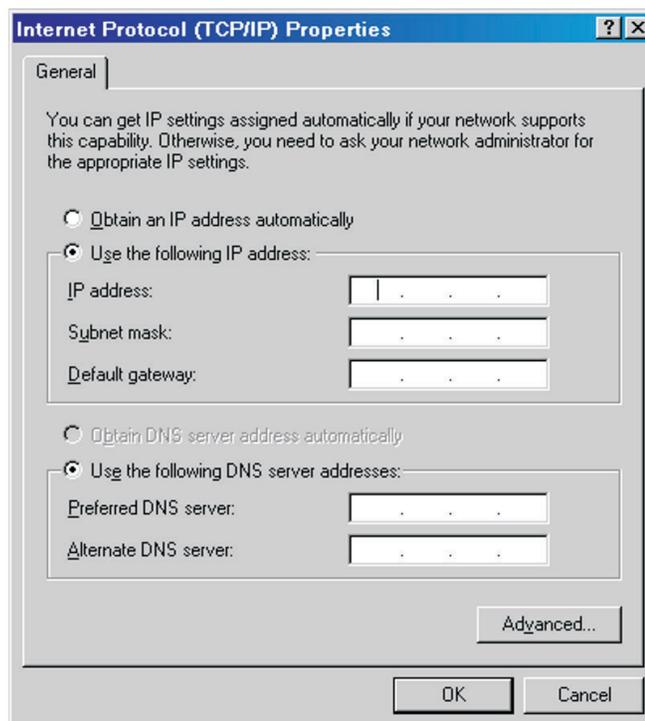
The Network and Dial-up Connections screen appears.



2. Double-click **Local Area Connection**.
The Local Area Connection Status screen appears.
3. Click **Properties**.
The Local Area Connection Properties screen appears.



4. Highlight **Internet Protocol (TCP/IP)** and then click **Properties**.
The Internet Protocol (TCP/IP) Properties screen appears.



5. Select the **Use the following IP address:** checkbox.
The lower portion of the screen becomes operational.

NOTE: *This checkbox allows Static IP Addressing. If it is already checked, your IP, subnets, and gateway may already exist. Verify this with your Network Administrator.*
6. In the IP address field, enter the **IP address** of the PC you intend to use.
7. In the Subnet mask field, enter the **Subnet mask** that the PC will use.
8. In the Default gateway field, enter the **Default gateway** address the PC will use.
9. Verify the **Use the following DNS server addresses** checkbox is selected.
10. In the Preferred DNS server field, enter the **Preferred DNS server** address.
11. In the Alternate DNS server field, enter the **Alternate DNS server** address.
12. Click **OK** to accept the changes.
Click **Cancel** to exit without making changes.
13. Once you have configured your Static IP Address, insert the VKP CD and Security dongle. Follow the installation instructions on the cd.

Warning: If the **Obtain an IP Address** check box is selected, you are using dynamic addressing. If you change the Addressing from dynamic to static, contact your network administrator to ensure your new static address will be identified on the network.

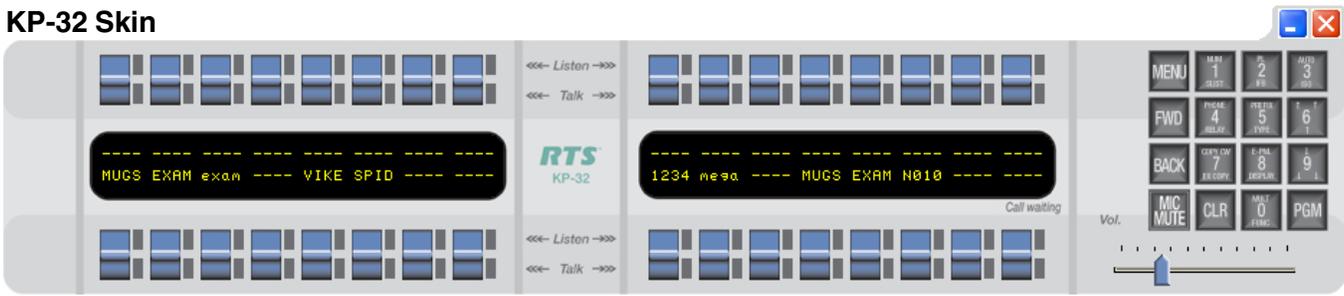
Screen Descriptions

The VOIP Virtual Keypanel gives you the ability to customize the application interface skin. A skin is an element of a GUI (graphical user interface) that can be changed to alter the look of an application without affecting the functionality of the program. The VKP has currently three different skins that can be used.

The different skins are:

- KP-32
- KP-812 Lever Key
- KP-812 Push Button

KP-32 Skin



| Field | Type | Description |
|---|--------|--|
|  | button | Use the Minimize button to hide a window currently being viewed without shutting down the program responsible for it. 1. Click the Minimize button to minimize the screen currently being viewed. <i>The window minimizes.</i> |

| | | |
|---|--------|--|
|  | button | Use the Exit button to shut the window or terminate the program currently being viewed. 1. Click the Exit button to close the screen currently being viewed. <i>The window closes.</i> |
|---|--------|--|

| | | |
|--|------------|--|
| <p>Talk/Listen Keys</p>  <p>NOTE: In the Japanese version of the software, the talk LED is Red, while the Listen LED is green. Also, When a user is talking with someone else an In-Use LED lights green to let other callers know the user is talking to someone else. For example, when user A calls user B, user C will see users A and B are talking because the talk LEDs on user C's keypanel are lit green.</p> | lever keys | <p>Use the Talk/Listen key to either talk, by clicking the lower portion of the lever key. Or listen, by clicking the upper portion of the lever key.</p> <p>HINT: By using the Function keys (F1,F2, etc.) on the keyboard you can talk to other users. When using a standard 12 function key keyboard, only the first twelve keys are accessible. On a 16 function key keyboard, all 16 talk keys are accessible.</p> <p>Using the KP-32 skin, to activate a bottom row talk key using a function key, simply press the Function Key that corresponds to the bottom row of keys. To access a top row key using a Function Key, press ALT+the corresponding function key.</p> <p>1. Click the Talk key of the port you want to talk with. <i>The talk channel is open.</i></p> <p>1. Click the Listen key (upper portion of the lever key) of the port you want to listen. <i>The listen channel is open.</i></p> <p>NOTE: On the keypanel, Talk assignments appear in all uppercase letters, while Listen assignments appear in lower case letters.</p> |
|--|------------|--|

Display Panel display

Use the **Display Panel** to display the different ports associated with each of the lever keys. The KP-32 can have up to 31 ports assigned.

Menu button



Use the **MENU** button to activate the underlying menu structure for the VOIP VKP. When selected, the top-level menu appears in the CWW (call waiting window). The **FWD**, **BACK**, and **PGM** button allow you to navigate through the menu structure.

1. Click **MENU**.

The VOIP VKP menu structure appears in the CWW window.

FWD button



Use the **FWD** button to scroll forward through the VOIP VKP menu.

1. Click **FWD**.

The next menu item in the list appears.

BACK button



Use the **BACK** button to scroll backward through the VOIP VKP menu.

1. Click **BACK**.

The previous menu item in the list appears.

Mic Mute button



Use **Mic Mute** button to mute the microphone output audio.

1. To enable Mic Mute, click **MIC MUTE**.

Mic Mute is enabled. The mic mute button is depressed.

1. To disable Mic Mute, click **MIC MUTE**.

Mic Mute is disabled. The mic mute button is not depressed.

CLR button



Use the **CLR** button to clear and close the VKP menu structure.

1. Click **CLR**.

The menu clears and closes, returning to normal operation mode.

PGM button



The **PGM** button accepts the menu selection and moves you further down into the menu selection.

1. Click **PGM**.

The menu selection you made is accepted and the next lowest level in the menu structure appears.

Number
(pad) 1-9 button(s)

Use the **Number Pad** to enter in port alphas and IP (Internet Protocol) addresses.

1. Enter the appropriate number by clicking the appropriate numerical pads.

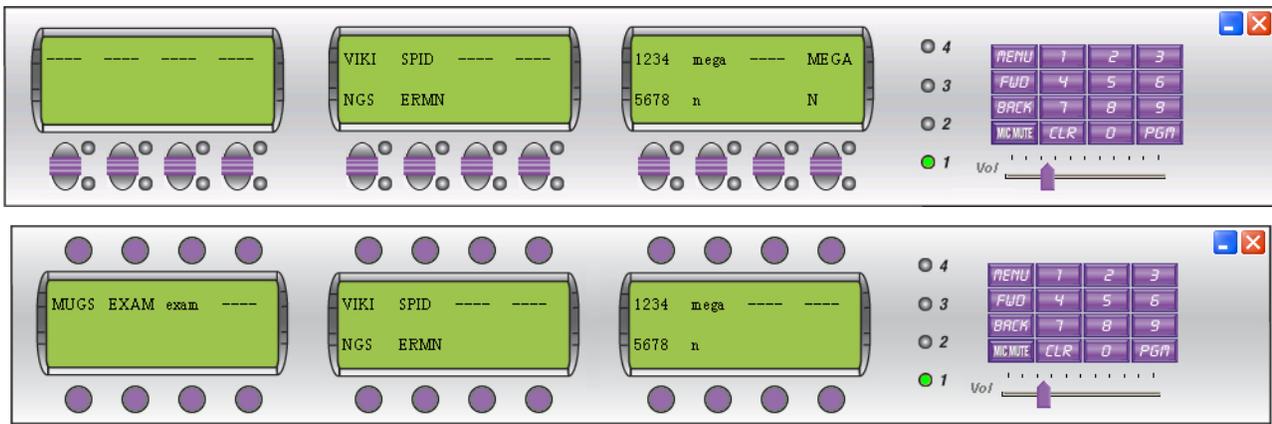
Volume
Adjust slider



Use the **Volume Adjust** slider to adjust the keypanel volume level.

1. Drag the Volume Adjust slider right to increase the volume, or left to decrease the volume.

KP-812 Lever Key & KP-812 Pushbutton



| Field | Type | Description |
|-------|------|-------------|
|-------|------|-------------|

| | | |
|----------|--------|--|
| Minimize | button | Use the Minimize button to hide a window currently being viewed without shutting down the program responsible for it. |
|----------|--------|--|



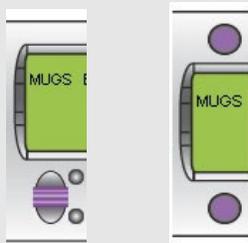
1. Click the **Minimized** button to minimize the screen currently being viewed.
The window minimizes.

| | | |
|------|--------|--|
| Exit | button | Use the Exit button to shut the window or terminate the program currently being viewed. |
|------|--------|--|



1. Click the **Exit** button to close the screen currently being viewed.
The window closes.

| | | |
|---------------------|------------|---|
| Talk/Listen Keys | lever keys | Use the Talk/Listen key to either talk, by clicking the lower portion of the lever key. Or listen, by clicking the upper portion of the lever key. |
|---------------------|------------|---|



HINT: By using the Function keys (F1,F2, etc.) on the keyboard you can talk to other users. When using a standard 12 function key keyboard, only the first twelve keys are accessible. To activate a key on the bottom row of talk keys using the function keys, simply press the **Function Key** that corresponds to the bottom row key.

NOTE: In the Japanese version of the software, the talk LED is Red, while the Listen LED is green.

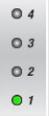
Also, When a user is talking with someone else an In-Use LED lights green to let other callers know the user is talking to someone else. For example, when user A calls user B, user C will see users A and B are talking because the talk LEDs on user C's keypanel are lit green

1. Click the **Talk** key of the port you want to talk with.
The talk channel is open.

1. Click the **Listen** key (upper portion of the lever key) of the port you want to listen.
The listen channel is open.

NOTE: On the keypanel, Talk assignments appear in all uppercase letters, while Listen assignments appear in lower case letters.

Display Panel display Use the **Display Panel** to display the different ports associated with each of the lever keys. The KP-32 can have up to 11 ports assigned.

| | | |
|---|-------------|--|
|  | LED display | The 1 - 4 LED display lights show which key assignment page is active. |
|---|-------------|--|

Menu button Use the **MENU** button to activate the underlying menu structure for the VOIP VKP. When selected, the top-level menu appears in the CWW (call waiting window). The **FWD**, **BACK**, and **PGM** button allow you to navigate through the menu structure.



1. Click **MENU**.
The VOIP VKP menu structure appears in the CWW window.

| | | |
|---|--------|---|
|  | button | Use the FWD button to scroll forward through the VOIP VKP menu. 1. Click FWD . <i>The next menu item in the list appears.</i> |
|---|--------|---|

| | | |
|---|--------|--|
|  | button | Use the BACK button to scroll backward through the VOIP VKP menu. 1. Click BACK . <i>The previous menu item in the list appears.</i> |
|---|--------|--|

| | | |
|--|--------|---|
|  | button | Use Mic Mute button to mute the microphone output audio. 1. To enable Mic Mute, click MIC MUTE . <i>Mic Mute is enabled. The mic mute button is depressed.</i> 1. To disable Mic Mute, click MIC MUTE . <i>Mic Mute is disabled. The mic mute button is not depressed.</i> |
|--|--------|---|

| | | |
|---|--------|---|
|  | button | Use the CLR button to clear and close the VKP menu structure. 1. Click CLR . <i>The menu clears and closes, returning to normal operation mode.</i> |
|---|--------|---|

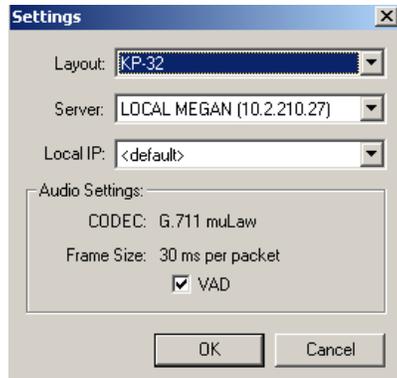
| | | |
|---|--------|--|
|  | button | The PGM button accepts the menu selection and moves you further down into the menu selection. 1. Click PGM . <i>The menu selection you made is accepted and the next lowest level in the menu structure appears.</i> |
|---|--------|--|

Number (pad) 1-9 button(s) Use the **Number Pad** to enter in port alphas and IP (Internet Protocol) addresses.
1. Enter the appropriate number by clicking the appropriate numerical pads.

| | | |
|---|--------|--|
|  | slider | Use the Volume Adjust slider to adjust the keypanel volume level. 1. Drag the Volume Adjust slider right to increase the volume, or left to decrease the volume. |
|---|--------|--|

Settings Screen

Use the Settings screen to configure the virtual keypanel for individual use.



| Field | Type | Description |
|--------|----------------|---|
| Layout | drop down list | Use the Layout drop down list to choose what interface skin users will see when the Virtual Keypanel is running. There are three different skins to choose between; KP-32, KP-812 Lever Key, and KP-812 Pushbutton. 1. From the Layout drop down list, either select KP-32 , KP-812 Lever Key , or KP-812 Push Button . 2. Click OK . <i>The Settings screen closes and the keypanel skin changes to your choice.</i> |

| | | |
|--------|----------------|--|
| Server | drop down list | The Server is the port address of the RVON-8 to which the VKP software connects. 1. From the Server drop down list, select the server you want to connect to. |
|--------|----------------|--|

| | | |
|----------|----------------|--|
| Local IP | drop down list | The Local IP is the IP (Internet Protocol) address of the computer where the VOIP Virtual Keypanel is installed. 1. From the Local IP drop down list, select the IP address you want to use. NOTE: A computer can have more than one IP address. Separate IP addresses are associated with each Ethernet card. Therefore, multiple Ethernet cards will allow for multiple IP addresses. |
|----------|----------------|--|

AUDIO SETTINGS

NOTE: Audio settings are changed in AZedit. For more information, see the AZedit User Manual.

| | | |
|-------|---------|--|
| Codec | display | Codec displays the codec used to compress the audio for transmittal. There are two codecs supported by Telex, G.711 μ law and G7.11 A law. The type of Codec will dictate the quality of audio you hear and the network bandwidth used. NOTE: If you assign another codec other than G.711 μ or G7.11A law, VKP will negotiate a G.711 codec. |
|-------|---------|--|

| | | |
|------------|---------|---|
| Frame size | display | The Frame size displays how much audio is in an individual packet. |
|------------|---------|---|

| | | |
|-----|---------|--|
| VAD | display | VAD (voice activity detection), saves network bandwidth by stopping the flow of audio packets when silence is detected. |
|-----|---------|--|

| | | |
|----|--------|--|
| OK | button | Accepts the changes and closes the Settings screen 1. Click OK . <i>The changes are saved and the Settings screen closes.</i> |
|----|--------|--|

| | | |
|--------|--------|--|
| Cancel | button | Clears the changes made from the screen and closes the Settings screen. 1. Click Cancel . <i>The Settings screen closes without saving the changes.</i> |
|--------|--------|--|

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Chapter 2

VOIP VKP Menu System

The VKP menu system can be accessed at two different points in the Software, through the Keypanel Menu and through a Main/Sub Menu accessed by clicking the right mouse button. Note, these two menus are similar to each other, but **not exact replicas**.

For a diagram of the menu structures, **see page 36**.

Keypanel Menu

MENU SYSTEM, MENU ACCESS

To access the menu from the keypad, do the following:

1. Clear all names from the Call Waiting display (if not clear) by clicking the **Call Waiting** key one or more times.
2. Click **Menu**.
Display appears in the Call Waiting window.
3. Click ↓↓ to scroll forward through the list of menus.
4. Click **FWD** or **PGM** to enter a menu.
Click **BACK** to exit a menu.

Within a menu:

- Click ↓↓ or ↑↑ to scroll.
- Click **FWD** or **PGM** to select an item.
- Click **BACK** to cancel a selection or to go back to the previous menu level.



Figure 1. VOIP Virtual Keypanel Number Pad.

MENU SYSTEM, DISPLAY MENU

Use this menu to display information about the keypanel configuration.

Display Menu, Asgn Type

Displays the talk level 1 assignment types for all keys. Abbreviations for the key assignment types appear in the alphanumeric displays as follows:

- P-P: Point-to-point talk key
- PL: Party line talk key
- IFB: IFB talk key
- SPCL: Special list talk key
- RLY
(system relay) This key activates a GPI output at the intercom frame, or a relay output at a UIO-256 or FR9528 frame.
- ISO: Camera ISO talk key
- UPL: UPL resource key
- AC: All-call key

Display Menu, Chans On

Displays an alpha list, in the Call Waiting Window, of all intercom ports that currently have talk crosspoints closed to this keypanel. **Chans ON** is typically used to locate an open mic or other open audio source that needs to be shut off. The most likely cause is typically a talk key that has been left on at a keypanel. In this case, use the ↓↓ and ↑↑ key to scroll through the list of names. You can then press the Call Waiting key to ask the person at the other end to turn off their talk key.

Display Menu, Key Groups

Use the ↓↓ or ↑↑ key to select Group 1, Group 2, etc. Then press **FWD** or **PGM** to display the group. The talk and listen LEDs of the master key will be lit red and the talk and listen LEDs for the slave keys will be lit green.

Display Menu, Key List

Displays and allows access to all the other assignments on the other keypanel pages that are not currently showing in the keypanel display.

Display Menu, Level 2

Displays the talk level 2 assignments for all keys.

Display Menu, Listen

Displays the listen assignments for all keys.

Display Menu, Matrix

Displays the intercom system name for all talk level 1 key assignments. In non-trunked intercom systems, the intercom system name is always LOCL (local). In trunked intercom systems, intercom systems are created in TrunkEdit.

Display Menu, Panel ID

Panel ID displays the calculated port number the keypanel is connected to. The calculation is based on the data group that the keypanel is connected to, along with the address switch setting on the keypanel. If the Address switch is incorrectly set, the wrong Panel ID will display. Panel ID also displays the port alpha in brackets if the port is not scroll restricted.

Display Menu, Version

Displays the firmware version of the keypanel.

NOTE: For software upgrades, contact your Intercom system dealer.

MENU SYSTEM, KEY ASSIGN MENU

Use the Key Assign menu to assign intercom keys to the keypanel, to adjust listen levels for point-to-point and party line keys, and to assign setup pages.

To use the key assign menu, do the following:

NOTE: Clear the Call Waiting window by clicking the Call Waiting key one or more times.

1. Click **Menu**.
A menu options list appears in the call waiting window.
2. Click the ↓↓ (9 on the number pad) to scroll to Key Assign.
3. Click **PGM** or **FWD**.
P-P appears in the call waiting window.

The Key Assign menu options appear as a scrollable list consisting of the different key assignments available:

| | |
|-------------|--|
| Pt-to-Pt: | Assign a key to talk/listen to another intercom port. |
| Party Line: | Assign a key to talk/listen to a party line. |
| IFB: | Assign a key to talk/listen to an IFB. |
| Spcl List: | Assign a key to talk/listen to a special list. |
| Sys Relay: | Assign a key to activate a relay or GPI output. |
| Camera ISO: | Assign a key to talk/listen to an ISO. |
| UPL Resrc: | Assign a key to activate a UPL Resource. |
| Auto Func: | Assign an auto function to a key. (If you select this item, skip the rest of this procedure and go to “Key Assign Menu, Auto Func”.) |
| Setup Page: | Change the setup page assignments. |

4. Click the ↓↓ (9 on the number pad) to scroll through the options.
5. When the key assignment is found, click **PGM** to select it.
6. Select the **port number** or **alpha** you want to assign to the keypanel key.
7. Click **PGM**.
Talk Level 1 appears in call waiting window.
8. Click ↓↓ (9 on the number pad) to scroll through the options.

The options are as follows:

- Talk Lvl 1: Assigns only talk level 1.
- Listen: Assigns only Listen.
- Talk + AF: Assigns talk level 1, with auto-follow listen.
- Talk + AL: Assigns talk level 1, with auto-listen.
- Talk + AM: Assigns talk level 1, with auto-mute listen.
- Talk + AR: Assigns talk level 1, with auto-reciprocal listen.
- Talk + Lvl 2: Assigns talk level 2

NOTE: If you attempt to assign a talk level 2 to a key and there is no talk level 1 assignment, you assignment will go on talk level 1. If you change the talk level 1 assignment for a key that also has a talk level 2 assignment, the talk level 2 assignment is erased.

9. When you make your assignment selection, click **PGM** or **FWD**.
Tap Key appears in the call waiting window.
10. Click the **key** you want to assign the assignment.
The assignment alpha appears in the display window of the keypanel key.
11. Click **CLR** to exit out of the menu structure.

Key Assign Menu, Matrix

Matrix appears only for trunked intercom systems. You must select a remote intercom matrix before assigning intercom keys to destinations in that matrix. You do not need to select matrix to assign keys to destinations in your own matrix. You also do not need to select a matrix when assigning an auto function to a key.

Key Assign Menu, PT-to-PT

Assigns a key that talks or listens to another intercom port. Note, some pt-to-pt destinations may be non-keypanel devices that cannot activate talk and listen paths. Therefore, if you want full communication, you may need to assign both talk and listen on the key.

Key Assign Menu, Party Line

Assigns a key that talks and/or listens to a party line. The will have no effect until members have been assigned to the party line in AZedit. Note, party line members are usually non-keypanel devices that cannot activate talk and listen paths. Therefore, if you want full communication with the party line, you will need to assign both talk and listen on the key. If all communications will normally be 2-way, you may want to assign the key as Talk + auto listen.

Key Assign Menu, IFB

By default, all IFBs are restricted and you will see *Not Avail* when you attempt to select this item. To see IFBs you must check the appropriate Scroll Enable check boxes in AZedit.

Key Assign Menu, Spcl List

Assigns a key that talks and/or listens to a special list. The key will have no effect until members have been assigned to the special list in AZedit. Note, some or all special list members may be non-keypanel devices that cannot themselves activate talk and listen paths. Therefore, if you want full communication with all members of the special list, you may need to assign both talk and listen on the key.

Key Assign Menu, Sys Relay

System Relay refers to any of several types of control devices that can exist in the intercom system, including:

- The 8 GPI outputs from an ADAM frame (J11 on the XCP-ADAM-MC Breakout Panel).
- The 8 GPI outputs from an ADAM CS frame (J903 on the ADAM CS back panel).
- The relay outputs of an FR9528 Relay Frame (RELAY OUTPUTS connector on the FR9528 back panel).
- The 16 GPI outputs of a UIO-256 Universal Input/Output frame (J5 on the UIO-256 back panel).

Key Assign Menu, Camera ISO

By default, all ISOs are restricted and you will see *Not Avail* when you attempt to select this item. To see ISOs you must select the appropriate check box in AZedit.

Key Assign Menu, UPL Resrc

By default, all UPL resources are restricted and you will see *Not Avail* when you attempt to select this item. To see UPL resources you must select the appropriate Scroll Enable check box in AZedit.

Key Assign Menu, Auto Func

1. Press **FWD** or **PGM** to select auto functions in the Key Assign menu. Then, press **↓↓** or **↑↑** to locate the desired auto-function as follows:
 - Auto Follow (AF, for listen keys only)
 - AutoListn (AL, for listen keys only)

- Auto Mute (AM, for listen keys only)
 - Auto Recip (AR, for listen keys only)
 - All Call (AC, for talk level 1 only)
 - DIM (DIM Table function, for talk level 2 on point-to-point keys only)
2. Click **FWD** or **PGM** to select the desired auto function.
Tap Key appears.
 3. Click an **intercom key** to assign the selected auto function.
Click the upper portion of the key to assign auto functions except All Call or DIM. Click the lower portion of the key for All Call or DIM.

NOTE:

- If the assignment is successful, the abbreviation for the auto function appears in the alpha-numeric display for that key. However, if you try to assign an auto function to a key that already has that auto function assigned, the assignment will be ignored. The assignment is also ignored if scroll enable for auto functions is not selected in AZedit, or if the key you are trying to assign is restricted.
- You can click **CLR** to exit and return to normal operation, or click **BACK** to return to the auto function menu and make more assignments.
- Trunked intercom systems: Do not select a matrix before assigning auto functions. All auto functions are assigned using the local matrix menus.
- You do not need to run **Save Cfg** to store auto function assignments. These are stored in the intercom system.

Key Assign Menu, Setup Page

Use this menu item to change the setup page assignments on the KP-32, KP-812, EKP-32, EKP-812. One setup page is used for the top row of keys, and another setup page is used for the bottom row of keys.

1. Click **FWD** or **PGM** to select *Setup Page* in the Key Assign menu.
Page 1 displays.
2. Press **↓↓** to select any of the following:

| | |
|-------------|---|
| Page 1 : | Assign setup page 1 to the KP-32, KP-812, EKP-32, EKP-812 |
| Page 2: | Assign setup page 2 to the KP-32, KP-812, EKP-32, EKP-812 |
| Page 3: | Assign setup page 3 to the KP-32, KP-812, EKP-32, EKP-812 |
| Page 4: | Assign setup page 4 to the KP-32, KP-812, EKP-32, EKP-812 |
| Clear Page: | Clear a page from the KP-32, KP-812, EKP-32, EKP-812 |
3. Click **PGM**.
Tap Key displays.
4. Click any key in the row where you want to assign the setup.
The key assignments for that page should appear in the displays.
5. You can press **↓↓** to select and assign another setup page. Or, click **CLR** to exit.

NOTE: You do not need to run **Save Cfg** to store changes to the setup pages. These are stored in the intercom.

KEY OPTION MENU

Use the Key Options menu to set announcement chimes for incoming calls and to assign key groups to keypanel keys, and to assign the solo option to keys.

Key Option Menu, Chime

Use the Chime setting to add a chime tone to any key for an incoming call announcement. The chime tone will activate for 5 seconds after a call is received.

To add a chime tone, do the following:

1. On the keypanel, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the number pad) to scroll to Key Option.
3. Click **PGM** or **FWD**.
Chime appears in the call waiting window.
4. Click **PGM**.
Tap Key appears in the call waiting window.
5. Click the key of the alpha or port you want to assign the chime.
6. Run **Service, Save Cfg** to store the chime setting.

NOTE: The chime option will continue on a key even if you change the key assignment.

To remove the chime tone from a key, repeat the procedure to add a chime, but click any keys where the LEDs are lit red to turn them off. Run **Save Cfg** to store the changes.

Key Option Menu, Key Groups

Key Groups are groups of users that are associated to each other through a common key, called a master key. A key group can be created so that when one key (the master key) is activated, all key in the group will activate. Up to four key groups can be set up.

To create a key group, do the following:

1. On the keypanel, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the number pad) to scroll to Key Option.
3. Click **PGM** or **FWD**.
Chime appears in the call waiting window.
4. Use the ↓↓ (9 on the number pad) to scroll to Key Groups.
5. Click **PGM**.
Tap Master appears in the call waiting window. The master key is the key you will click to activate the group.
6. Click the **intercom key** you will use as the master.
Both the LEDs next to the key will light red and "tap slaves" will appear in the call waiting window. Slave keys are the keys that will activate along with the master.
7. Click **one or more keys** to select slave for that group.
Both LEDs will light green next to each key selected. You can click a key again to remove it from the group.
8. Click **CLR** to exit.
Activating the master key will now cause it and all slave keys to activate. The LEDs for each key will activate according to the current key assignment for that key.
9. Run **Service, Save Cfg** to store the key group setting.

NOTE: Key group settings will continue on keys even if the key assignments are changed.

To clear a key group, do the following:

1. On the keypanel, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the number pad) to scroll to Key Option.
3. Click **PGM** or **FWD**.
Chime appears in the call waiting window.
4. Use the ↓↓ (9 on the number pad) to scroll to Key Groups.
5. Click **PGM**.
Tap Master appears in the call waiting window.
6. Click the **current Master Key**.
The LEDs next to the key will remain lit "tap slaves" will appear in the call waiting window.
7. Click all the keys where the LEDs are lit green.
This will turn the LEDs off.
8. Click **CLR** to exit.
The key group is cleared.
9. Run **Service, Save Cfg** to store the key group setting.

Key Options, Solo

Use the Solo option to put current, active users on hold and talk to a single user. For example, you may be in a Key Group and want to ask a question. You can use the solo option to put the key group on hold.

To use the solo option, do the following:

1. On the keypanel, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the number pad) to scroll to Key Option.
3. Click **PGM** or **FWD**.
Chime appears in the call waiting window.
4. Use the ↓↓ (9 on the number pad) to scroll to Solo.
5. Click **PGM**.
Tap Key appears in the call waiting window.
6. Click the **intercom key** you want to assign solo.
Both the LEDs next to the key will light red to confirm the assignment. Click the key again if you want to remove the assignment.
7. Click **CLR** to exit.
Activating the solo key will cause all other activated keys to turn off. The keys will turn back on when you turn the solo key off.
8. Run **Service, Save Cfg** to store the Solo setting.

NOTE: The Solo option will continue on a key even if you change the key assignment.

To remove the solo key option, do the following:

1. On the keypanel, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the number pad) to scroll to Key Option.
3. Click **PGM** or **FWD**.
Chime appears in the call waiting window.
4. Use the ↓↓ (9 on the number pad) to scroll to Solo.
5. Click **PGM**.
Both LEDs next to the solo key will light.
6. Click the **solo key**.
The solo key is cleared.
7. Run **Service, Save Cfg** to store the Solo setting

SERVICE MENU

Use the Service menu to access many of the options within the VOIP virtual keypad, such as Mic Gain, Tone Gen, Copy CWW, Copy Key, Latch Enable, and Flash Timeout.

NOTE: When using the keypad menu structure, Save Cfg and Reset Cfg are in the Service Menu. On the Main Menu, Save Cfg and Reset Cfg are in the File Menu.

Also, Copy CWW, Copy Key, Latch Enable and Flash Timeout are only available through the Main Menu. You cannot use them from the display menu.

Service, Mic Gain

Mic Gain is the level of audio being sent through the microphone. You can set the gain level anywhere from 0% to 100%. The default mic gain is 60%.

To set the Mic Gain, do the following:

1. On the keypad, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the keypad) to scroll to Service.
3. Click **PGM**.
Mic Gain appears in the call waiting window.
4. Click **PGM**.
60% appears in the call waiting window.
5. Use the ↓↓ (6 on the keypad) or ↑↑ (9 on the keypad) to decrease or increase the mic gain.
6. Click **CLR** to exit.

Service, Reset Cfg

Use Reset Cfg to restore all custom settings to the application defaults.

The defaults for Reset Cfg are as follows:

- Speaker Volume: 25%
- Mic Gain: 60%
- Latch Enable: ON
- Flash Timeout: ON
- Local IP: default (cleared so default is used).
- All key options (for each key) are removed
 - Solo : OFF
 - Chime : OFF
 - Groups are cleared

To reset the configuration, do the following:

1. On the keypad, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the keypad) to scroll to Service in the menu.
3. Click **PGM**.
Mic Gain appears in the call waiting window.
4. Use the ↓↓ (9 on the keypad) to scroll to Reset Cfg.
5. Click **PGM**.
The system restores all the application defaults.

Service, Save Cfg

Use Save Cfg to save custom settings that you have made in the Key Option, Key Assign or Service menus. These settings are stored in non-volatile memory. This ensures protection of your settings when you exit the program.

To save the configuration settings, do the following:

1. On the keypad, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the keypad) to scroll to Service in the menu.
3. Click **PGM**.
Mic Gain appears in the call waiting window.
4. Use the ↓↓ (9 on the keypad) to scroll to Save Cfg.
5. Click **PGM**.
The system saves configuration settings.

Service, Ton Gen

Tone Gen (Tone Generation) gives you the ability to check the audio path from the keypad to the matrix and back.

To use Tone Gen from the Main menu, do the following:

1. On the keypad, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the keypad) to scroll to Service in the menu.
3. Click **PGM**.
Mic Gain appears in the call waiting window.
4. Use the ↓↓ (9 on the keypad) to scroll to Tone Gen.
5. Click **PGM**.
TONE ON appears. This indicates the Tone Gen is active.

NOTE; When Tone Gen is enabled, the keypad will continue to send audio even when the key is not selected. This is important because it will use network bandwidth if not disabled after testing.

6. Click the key you wish to check for an audio path.
A tone will sound at the destination keypad.

Right-Click Menu

The **Right-Click Menu** is a right-click accessible menu structure for the VOIP Virtual Keypanel. It is similar the display panel menu, yet not exactly the same.

The Right-Click Menu contains a File menu item that is not present in the Display Panel Menu. It contains the Reset Cfg, Save Cfg and an Exit item.

The Right-Click Menu also contains Settings, Copy CWW, Latch Enable and Flash Timeout items in the Service Menu that are not present in the Display Panel Menu.

MENU SYSTEM, MENU ACCESS

To access the application menu from the Main Menu, do the following:

1. Right-click anywhere on the keypanel.
A pop up menu appears.
2. Select the **menu item** you want to access.

The top level popup menu has the following items. For a complete menu navigation, see page 37.

File
Display
Key Assign
Key Options
Service

File, Reset Cfg

Use **Reset Cfg** to restore all custom settings to the application defaults. To see the defaults, see Service, Reset Cfg on page 26.

To Reset Cfg, do the following:

1. Right-click on the keypanel.
A popup menu appears.
2. From the popup menu, select **File**.
The File submenu appears.
3. From the File submenu, select **Reset Cfg**.
The system restores the application defaults.

File, Save Cfg

Use **Save Cfg** to save custom settings that have been made in the Key Option, Key Assign, or Service Menus. These settings are saved on the Matrix in non-volatile memory to ensure your settings are preserved when you exit the application.

To Save Cfg, do the following:

1. Right-click on the keypanel.
A popup menu appears.
2. From the popup menu, select **File**.
The File submenu appears.
3. From the File submenu, select **Save Cfg**.
The system saves your changes.

File, Exit

Use **Exit** to close the VOIP Virtual Keypanel application.

To exit out of the VKP application, do the following:

1. Right-click on the keypanel.
A popup menu appears.
2. From the popup menu, select **File**.
The File submenu appears.
3. From the File submenu, select **Exit**.
The VKP application closes.

Menu, Display

Use the **Display** menu to view information about the keypanel configuration. The Display menu options are as follows:

Assign Type

Chans ON

Key Groups

Key List

Level 2

Listen

Matrix

Panel ID

Version

NOTE: For a more detailed explanation of the Display menu options, see page xx.

To access the Display menu, do the following:

1. Right-click on the keypanel.
A popup menu appears.
2. From the popup menu, select **Display**.
The Display submenu appears.
3. From the Display submenu, select the **item** you want to view.

Menu, Key Assign

Use the **Key Assign** menu to assign intercom keys to the keypanel, to adjust listen levels for point-to-point and party line keys, and to assign setup pages.

The different Key Assign options are as follows:

Pt-to-Pt

Party Line

IFB

Spcl List

Sys Relay

Camera ISO

UPL Resrc

Auto Func

Setup Page

To access the key assign menu, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the Main menu, select **Key Assign**.
The Key Assign submenu appears.

3. From the Key Assign submenu, select the option you want to use.
An Alpha appears in the call waiting window.

Key Assign Menu, Matrix

Matrix appears only for trunked intercom systems. You must select a remote intercom matrix before assigning intercom keys to destinations in that matrix. You do not need to select matrix to assign keys to destinations in your own matrix. You also do not need to select a matrix when assigning an auto function to a key.

Key Assign Menu, PT-to-PT

Assigns a key that talks or listens to another intercom port. Note, some pt-to-pt destinations may be non-keypanel devices that cannot activate talk and listen paths. Therefore, if you want full communication, you may need to assign both talk and listen on the key.

Key Assign Menu, Party Line

Assigns a key that talks and/or listens to a party line. The will have no effect until members have been assigned to the party line in AZedit. Note, party line members are usually non-keypanel devices that cannot activate talk and listen paths. Therefore, if you want full communication with the party line, you will need to assign both talk and listen on the key. If all communications will normally be 2-way, you may want to assign the key as Talk + auto listen.

Key Assign Menu, IFB

By default, all IFBs are restricted and you will see *Not Avail* when you attempt to select this item. To see IFBs you must check the appropriate Scroll Enable check boxes in AZedit.

Key Assign Menu, Spcl List

Assigns a key that talks and/or listens to a special list. The key will have no effect until members have been assigned to the special list in AZedit. Note, some or all special list members may be non-keypanel devices that cannot themselves activate talk and listen paths. Therefore, if you want full communication with all members of the special list, you may need to assign both talk and listen on the key.

Key Assign Menu, Sys Relay

System Relay refers to any of several types of control devices that can exist in the intercom system, including:

- The 8 GPI outputs from an ADAM frame (J11 on the XCP-ADAM-MC Breakout Panel).
- The 8 GPI outputs from an ADAM CS frame (J903 on the ADAM CS back panel).
- The relay outputs of an FR9528 Relay Frame (RELAY OUTPUTS connector on the FR9528 back panel).
- The 16 GPI outputs of a UIO-256 Universal Input/Output frame (J5 on the UIO-256 back panel).

Key Assign Menu, Camera ISO

By default, all ISOs are restricted and you will see *Not Avail* when you attempt to select this item. To see ISOs you must select the appropriate check box in AZedit.

Key Assign Menu, UPL Resrc

By default, all UPL resources are restricted and you will see *Not Avail* when you attempt to select this item. To see UPL resources you must select the appropriate Scroll Enable check box in AZedit.

Key Assign Menu, Auto Func

1. Click **FWD** or **PGM** to select auto functions in the Key Assign menu. Then, press ↓↓ or ↑↑ to locate the desired auto-function as follows:
 - Auto Follow (AF, for listen keys only)
 - AutoListn (AL, for listen keys only)

- Auto Mute (AM, for listen keys only)
 - Auto Recip (AR, for listen keys only)
 - All Call (AC, for talk level 1 only)
 - DIM (DIM Table function, for talk level 2 on point-to-point keys only)
2. Click **FWD** or **PGM** to select the desired auto function.
Tap Key appears.
 3. Click an **intercom key** to assign the selected auto function.
Click the upper portion of the key to assign auto functions except All Call or DIM. Click the lower portion of the key for All Call or DIM.

NOTE:

- If the assignment is successful, the abbreviation for the auto function appears in the alpha-numeric display for that key. However, if you try to assign an auto function to a key that already has that auto function assigned, the assignment will be ignored. The assignment is also ignored if scroll enable for auto functions is not selected in AZedit, or if the key you are trying to assign is restricted.
- You can click **CLR** to exit and return to normal operation, or click **BACK** to return to the auto function menu and make more assignments.
- Trunked intercom systems: Do not select a matrix before assigning auto functions. All auto functions are assigned using the local matrix menus.
- You do not need to run **Save Cfg** to store auto function assignments. These are stored in the intercom system.

Key Assign Menu, Setup Page

Use this menu item to change the setup page assignments on the KP-32, KP-812, EKP-32 and EKP-812. One setup page is used for the top row of keys, and another setup page is used for the bottom row of keys.

1. From the Key Assign submenu, select the page you want to work with.
Page 1 displays.

| | |
|-------------|---|
| Page 1 : | Assign setup page 1 to the KP-32, KP-812, EKP-32, EKP-812 |
| Page 2: | Assign setup page 2 to the KP-32, KP-812, EKP-32, EKP-812 |
| Page 3: | Assign setup page 3 to the KP-32, KP-812, EKP-32, EKP-812 |
| Page 4: | Assign setup page 4 to the KP-32, KP-812, EKP-32, EKP-812 |
| Clear Page: | Clear a page from the KP-32, KP-812, EKP-32, EKP-812 |

2. Click **PGM**.
Tap Key displays.
3. Click any key in the row where you want to assign the setup.
The key assignments for that page should appear in the displays.
4. You can press ↓↓ to select and assign another setup page. Or, click **CLR** to exit.

NOTE: You do not need to run **Save Cfg** to store changes to the setup pages. These are stored in the intercom.

MENU, KEY OPTIONS

Use the **Key Options** menu to set announcement chimes for incoming calls, to assign key groups to keypanel keys, and to assign the solo option to keys.

Key Option Menu, Chime

Use the **Chime** setting to add a chime tone to any key for an incoming call announcement. The chime tone will activate for 5 seconds after a call is received.

To add a chime tone, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the Main menu, select **Key Option**.
The Key Option submenu appears.
3. From the Key Option submenu, select **Chime**.
Tap Key appears
4. Click the key where you want to add the Chime tone.
Both red LEDs are lit. The Chime is enabled.
4. Run **File, Save Cfg.** to save the chime setting.

NOTE: The chime option will continue on a key even if you change the key assignment. To remove the chime tone from a key, repeat the procedure to add a chime, but click any keys where the LEDs are lit red to turn them off. Run **File, Save Cfg** to store the changes.

Key Option Menu, Key Groups

Key Groups are groups of users that are associated to each other through a common key, called a master key. A key group can be created so that when one key (the master key) is activated, all key in the group will activate. Up to four key groups can be set up.

To create a key group, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the Main menu, select **Key Option**.
The Key Option submenu appears.
3. From the Key Option submenu, select **Key Groups**.
The Key Groups submenu appears.
4. From the Key Groups submenu, select the **page** you want to use.
Tap Master appears in the call waiting window. The master key is the key you will click to activate the group.
6. Click the **intercom key** you will use as the master.
Both the LEDs next to the key will light red and "tap slaves" will appear in the call waiting window. Slave keys are the keys that will activate along with the master.
7. Click **one or more keys** to select slave for that group.
Both LEDs will light green next to each key selected. You can click a key again to remove it from the group.
8. Click **CLR** to exit.
Activating the master key will now cause it and all slave keys to activate. The LEDs for each key will activate according to the current key assignment for that key.
9. Run **Service, Save Cfg** to store the key group setting.

NOTE: Key group settings will continue on keys even if the key assignments are changed.

To clear a key group, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the Main menu, select **Key Option**.
The Key Option submenu appears.
3. From the Key Option submenu, select **Key Groups**.
The Key Groups submenu appears.
4. From the Key Groups submenu, select the page you want to use.
Tap Master appears in the call waiting window.
6. Click the **current master key**.
All the LEDs next to the key will remain lit and "tap slaves" will appear in the call waiting window.
7. Click all the keys where the LEDs are lit green.
This will turn all the LEDs off.
8. Click **CLR** to exit.
The Key Group is cleared.
9. Run **Service, Save Cfg** to store the key group setting.

Key Options, Solo

Use the Solo option to put current, active users on hold and talk to a single user. For example, you may be in a Key Group and want to ask a question. You can use the solo option to put the key group on hold.

To use the solo option, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the main menu, select **Key Option**.
The Key Option submenu appears.
3. From the Key Option submenu, select **Solo**.
Tap Key appears in the call waiting window.
4. Click the **intercom key** you want to assign solo.
Both the LEDs next to the key will light red to confirm the assignment. Click the key again if you want to remove the assignment.
5. Click **CLR** to exit.
Activating the solo key will cause all other activated keys to turn off. The keys will turn back on when you turn the solo key off.
6. Run **Service, Save Cfg** to store the Solo setting.

NOTE: The Solo option will continue on a key even if you change the key assignment.

To remove the solo key option, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the main menu, select **Key Option**.
The Key Option submenu appears.
3. From the Key Option submenu, select **Solo**.
Both LEDs next to the solo key will light.
6. Click the **solo key**.
The solo key is cleared.
7. Run **Service, Save Cfg** to store the Solo setting.

MENU, SERVICE

Use the Service menu to access many of the configuration options within the VOIP Virtual Keypanel, such as Mic Gain, Tone Gen, Copy CWW, Copy Key, Latch Enable and Flash Timeout.

NOTE: When using the Display Panel Menu, Save Cfg and Reset Cfg are in the Service Menu, rather than in the File menu where they are located in the Main Menu structure. Also, the Copy CWW, Copy Key, Latch Enable and Flash Timeout are only available through the Main Menu. You cannot use them from the display panel menu.

To get to the Service Menu, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the Main menu, select **Service**.
The Service submenu appears.
3. From the Service submenu, select the option you want to work with.

The Service menu options are:

Settings
Mic Gain
Tone Gen
Copy CWW
Copy Key
Latch Enable
Flash Timeout

Service, Settings

Use the Settings window to configure the virtual keypanel for individual use.

To open the settings screen, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the Main menu, select **Service**.
The Service submenu appears.
3. From the Service submenu, select **Settings**.
The Settings screen appears.
4. Complete the Settings screen with the appropriate values for each field.

For a more detailed description of the Settings screen, see page 17.

Service, Mic Gain

Mic Gain is the level of audio being sent through the microphone. You can set the gain level anywhere from 0% to 100%. The default mic gain is 60%.

To set the Mic Gain, do the following:

1. On the keypanel, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the keypad) to scroll to Service.
3. Click **PGM**.
Mic Gain appears in the call waiting window.
4. Click **PGM**.
60% appears in the call waiting window.
5. Use the ↓↓ (6 on the keypad) or ↑↑ (9 on the keypad) to decrease or increase the mic gain.
6. Click **CLR** to exit.

Service, Ton Gen

Tone Gen (Tone Generation) gives you the ability to check the audio path from the keypad to the matrix and back.

To use Tone Gen, do the following:

1. On the keypad, click **MENU**.
Display appears in the call waiting window.
2. Use the ↓↓ (9 on the keypad) to scroll to Service in the menu.
3. Click **PGM**.
Mic Gain appears in the call waiting window.
4. Use the ↓↓ (9 on the keypad) to scroll to Tone Gen.
5. Click **PGM**.
Tap key appears.

NOTE: When Tone Gen is enabled, the keypad will continue to send audio even when the key is not selected. This is important because it will use network bandwidth if not disabled after testing.

6. Click the key you wish to check for an audio path.
A tone will sound at the destination keypad.

NOTE: You can change the default tone you hear with any .wav file you would like. To change the .wav file for the tone gen, see Change the default tone generation file on page xx.

Service, Copy CWW

Use the **Copy CWW** to copy a caller's name (alpha) from the call waiting window to assign it to another key. This function is useful when someone calls on the keypad that is not assigned to a key.

To copy a call from the Call Waiting Window, do the following:

1. While the caller's name is displayed in the call waiting window, right click on the keypad.
The Main menu appears.
2. From the Main menu, select **Service**.
The Service submenu appears.
3. From the Service submenu, select **Copy CWW**.
4. Click the key where you want to copy the alpha.
The alpha of the caller will appear in the display for the selected key.

NOTE: If a key will not accept an assignment, the destination that you are trying to assign may not have scrolling enabled in AZedit or the key you are trying to assign may be restricted.

Service, Copy Key

Use **Copy Key** to duplicate one key assignment and assign it to another key on the keypad. This is useful when setting up pages in the keypad and groups to talk with.

To Copy a key, do the following:

1. Right-click anywhere on the keypad.
The Main menu appears.
2. From the Main menu, select **Service**.
The Service submenu appears.
3. From the Service submenu, select **Copy Key**.
4. Click the key you want to copy.
5. Click the key where you want to assign the copied key assignment.

Service, Latch Enable

An intercom key can always be turned ON for momentary conversation by clicking and holding the key or button during the conversation. There is also an electronic latching feature that lets you tap intercom keys to turn them ON or OFF. This permits convenient, hands-free conversation. However, it can also result in a talk circuit being left on unintentionally.

To enable the keypanel for latching, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the Main menu, select **Service**.
The Service submenu appears.
3. From the Service submenu, select **Latch Enable**.
The menu closes and the keypanel is latch enabled.

NOTE: Latch Enable is only available through the Main menu.

Service, Flash Timeout

Whenever there is an incoming call and there is a talk key assigned to the caller, the talk LED next to that key will flash. If the Flash Timeout option is enabled, the incoming call will flash for 15 seconds. If the Flash Timeout option is disabled, the incoming call will flash for 15 seconds and then continue to flash for as long as the incoming call is active.

To enable Flash Timeout, do the following:

1. Right-click anywhere on the keypanel.
The Main menu appears.
2. From the Main menu, select **Service**.
The Service submenu appears.
3. From the Service submenu, select **Settings**.
The Settings submenu appears.
4. From the Settings submenu, select **Flash Timeout**.
A checkmark appears next to Flash Time and the menu closes. The keypanel has Flash Timeout enabled.

Chapter 3

VKP Menu System Quick Reference

Main Menu

File
 Reset Cfg
 Save Cfg
 Exit

Display
 Assign Type
 Chans On
 Key Groups
 Group 1
 Group 2
 Group 3
 Group 4
 Key List
 Level 2
 Listen
 Matrix
 Panel ID
 Version

Key Assign
 Pt to Pt
 Party Line
 IFB
 Spcl List
 Sys Relay
 Camera ISO
 UPL Rsrc
 Auto Func
 Setup Page

Key Options
 Chime
 Key Groups
 Group 1
 Group 2
 Group 3
 Group 4
 Solo

Service
Settings
 Mic Gain
 Tone Gen
 Copy CWW
 Copy Key
 Latch Enable
 Flash Timeout

Display Panel Menu

Display
 Assign Type
 Chans On
 Key Groups
 Group 1
 Group 2
 Group 3
 Group 4
 Key List
 Level 2
 Listen
 Matrix
 Panel ID
 Version

Key Assign
Pt to Pt
 Party Line
 IFB
 Spcl List
 Sys Relay
 Camera ISO
 UPL Rsrc
 Auto Func
 Setup Page

Key Options
 Chime
 Key Groups
 Group 1
 Group 2
 Group 3
 Group 4
 Solo

Service
 Mic Gain
 Reset Cfg
 Save Cfg
 Tone Gen

