

Audix Systems, Station Road, Wenden, Saffron Walden, Essex, CB11 4LG. Telephone: +44(0)1799 540888 Facsimile: +44(0)1799 541618 www.tycosafetyproducts-europe.com www.audixsystems.co.uk

alpha Configuration Suite V1.4 Manual

Revision History

| Issue | Modifications | Date |
|-------|-------------------------------------|---------|
| 1.0 | Initial Draft | 14/7/99 |
| 1.1 | Initial Update | 26/7/99 |
| 1.2 | Update for Configuration Suite V1.4 | 03/4/00 |
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| | | |

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DISCLAIMER

This manual contains information that is correct to the best of Audix Systems knowledge. It is intended to be a guide and should be used as such. It should not be considered as a sole source of technical instruction, replacing good technical judgement, since all possible situations cannot be anticipated. If there are any doubts as to exact installation, configuration and/or use, call Audix Systems at +44 (0)1799 540888

ACKNOWLEDGEMENTS

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Technical Support

In the unlikely event of you having problems with the *alpha* configuration suite please contact our Customer Services Department.

Audix Systems Station Road Wenden Saffron Walden CB11 4LG Tel 01799 540888 Fax 01799 541618 Website www.tycosafetyproducts-europe.com



| REVISION HISTORY | 2 |
|--|----------|
| TECHNICAL SUPPORT | 3 |
| ALPHA CONFIGURATIONS USING A PC | 5 |
| Installing the alpha configuration suite | 5 |
| Running the alpha configuration suite | 5 |
| SYSTEM PROTECTION | 6 |
| FILE MENU | 9 |
| Edit Menu | 10 |
| EDIT SIU | 11 |
| EDIT BUTTON | 12 |
| EDIT MATRIX | 13 |
| EDIT PIO (PARALLEL INPUT/OUTPUT) | 14 |
| EDIT BUSY | 15 |
| EDIT LIVE | 16 |
| EDIT SURVEY | 17 |
| EDIT VOLUME (CONFIGURE INPUT LEVELS) | 18 |
| Edit Trigger (Configure Trigger) | 19 |
| Password | 20 |
| CONFIGURE MENU (NOW HAS TRIGGER & INPUT LEVEL) | 21 |
| CONFIGURE SIU | 22 |
| Example 1 | 22 |
| Example 2 | 23 |
| | 23 |
| CONFIGURE PTT | |
| | |
| | 25 |
| | |
| VIEW MENU (INACTIVE) | 20 |
| VIEW STATISTICS (INACTIVE) | 27 |
| | 20 20 |
| SIMULATE SID (INACTIVE) | 20 |
| | 30 |
| | 30 |
| | |
| SILI | |
| INPLIT Definition | |
| SIU Definition | |
| Input Definition | |
| PMCV Push Button Definition | |
| Input Source Definition | 32 |
| Output Zone Definition | 32 |
| Matrix Definition | 32 |
| Trigger Definition | 32 |
| Parallel I/O Definition | 32 |
| Busy Definition | 33 |
| Live Definition | 33 |
| Wakeup Definition | 33 |
| Surveillance Definition | 33 |
| Message Configuration | 33 |

alpha Configurations using a PC

The *alpha* is configured by a simple ASCII text file. This file can be downloaded to the *alpha* and uploaded to the configuration PC for analysis and modifications.

When configuring the *alpha* using the Windows *alpha* configuration suite, the generation of the ASCII text file is done for you. The configuration suite also checks the configurations for errors. It is possible to edit the file using a simple text editor such as notepad, but caution should be taken as the configuration will not be checked for errors, and this could cause the *alpha* to not operate as desired.

Installing the alpha configuration suite

The *alpha* configuration suite is designed to operate in a Microsoft Windows 95/98 environment.

Insert the installation disk. Select "Run" on the "Start Menu" Within the box type a:\setup.exe, then Click on the "Ok" box.



Follow the menus on screen to complete installation.

Running the *alpha* configuration suite.

Click on the *alpha* configuration suite Icon to start the program.





System Protection

| Alpha Configuration - System Protection | _ _ X |
|---|--------------|
| Enter your Username and Password | |
| Username : Name | |
| Password : X****** | <u>0</u> K |
| | <u>H</u> elp |

Before you can use the *alpha* configuration suite you must input your Username and Password then press OK. The passwords are common for both the software suite and user access from the front panel of the *alpha*.

The Configuration PC will now try to communicate with the alpha

If it fails to connect with the *alpha* you will get the following display.

| Comms F | Port Error 🛛 🕅 |
|---------|---|
| | ERROR: Maximum Retry's Attempted - Communication Failed |
| • | The Communication's Port has been Disabled |
| | Use Configure Comms to Re-Establish Comm's Link. |
| | (OK) |

The Configuration Suite can be used Off-line, This enable configurations to be produced and edited off-site before downloading to the *alpha*.

Before you can use the Configuration suite you will need to either open an existing configuration, create a new one or up-load the configuration resident in the *alpha*.

To open an existing configuration, simply select File-Open and select from the list of configurations the file required.

| Open | | ? × |
|---|---|----------------------------------|
| File <u>n</u> ame: Default.cfg Alfiasalia.cfg Default.cfg new.cfg test.cfg | Eolders: C:\Prog\Alpha Configuration | OK Cancel N <u>e</u> twork |
| List files of type: Config Files (*.cfg) | Drives: | |

The *alpha* configuration suite automatically checks the configuration for errors when loading. If the configuration is Ok you will get the following message.





If the configuration has errors you will see the following box appear. Click on the OK button to check the errors in the configuration.

| Error Me | ssage 🗵 | | |
|----------|--|--|--|
| | The Configuration File has been Processed. | | |
| - | There was: 14 Errors. | | |
| | Do you wish to Fix the Errors ? | | |
| | Yes <u>N</u> o | | |



The Configuration File Editor shows the ASCII text file that has been generated by the configuration. The file can simply be edited here.

Fix the errors and press OK. If there are still errors the error box will shown again stating the amount of errors. Re edit the file again until

| Config File Error Fil | le | | |
|------------------------|-----------------|---|---|
| #SIUDEF,Smu 1,1; | | | - |
| #SIUDEF,Smu 2,2; | | | |
| #SIUDEF,Smu 3,3; | | | |
| #SIUDEF,Smu 4,4; | | | |
| #SIUDEF,Smu 5,5; | | | |
| #SIUDEF,Smu 6,6; | | | |
| #SIUDEF,Smu 7,7; | | | |
| #SIUDEF,Smu 8,8; | | | |
| #BUTTONDEF,Button 1 | ,1,1,100,Button | ; | |
| #BUTTONDEF,Button 2 | ,2,1,100,Button | ; | |
| #BUTTONDEF,Button 3 | ,3,1,100,Button | ; | |
| #BUTTONDEF,Button 4 | ,4,1,100,Button | ; | |
| #BUTTONDEF,Button 5 | ,5,1,100,Button | ; | |
| #BUTTONDEF,Button 6 | ,6,1,100,Button | ; | |
| #BUTTONDEF,Button 7 | ,7,1,100,Button | ; | |
| #BUTTONDEF,Button 8 | ,8,1,100,Button | ; | |
| #BUTTONDEF.Button 1 | .1.2.100.Button | ; | |
| #BUTTONDEF,Button 2 | ,2,2,100,Button | ; | |
| 1 | | | - |
| | | | |
| | | | |

Clicking on the Error File Tab shows all of the error currently in the configuration, It gives the problem and line in the configuration that contains the error.

| ERROR: | Not enough Parameters in Line: 1 | Ē |
|--------|-------------------------------------|---|
| ERROR: | Not enough Parameters in Line: 2 | |
| ERROR: | Not enough Parameters in Line: 3 | |
| ERROR: | Not enough Parameters in Line: 4 | |
| ERROR: | Not enough Parameters in Line: 5 | |
| ERROR: | Not enough Parameters in Line: 6 | |
| ERROR: | Not enough Parameters in Line: 7 | |
| ERROR: | Not enough Parameters in Line: 8 | |
| ERROR: | Not enough Parameters in Line: 117 | |
| ERROR: | LineType not found '#' on Line: 124 | |



File Menu

| 👯 Alpha Configu | ration Sui | te | - D × |
|----------------------------------|------------------|------------------|--------------|
| <u>File E</u> dit <u>C</u> onfig | ure <u>V</u> iew | <u>S</u> imulate | <u>H</u> elp |
| <u>N</u> ew | | | |
| <u>O</u> pen | | | |
| S <u>e</u> nd | | | |
| Re <u>c</u> ieve | | | |
| Load <u>B</u> ackup | | | |
| <u>S</u> ave | | | |
| Save <u>A</u> s | | | |
| Print Pre <u>v</u> iew | | | |
| <u>P</u> rint | | | |
| Print Setup | | | |
| System Loc <u>k</u> | | | |
| E <u>x</u> it | Alt+F4 | | |
| | | - | |
| Creates a new Con | figuration file | e | |

| <u>N</u> ew | Selecting this will generate a new configuration |
|---------------------|---|
| <u>O</u> pen | Selecting this will open an existing configuration |
| S <u>e</u> nd | This will transfer the current open configuration from the PC to the <i>alpha</i> via the serial link |
| Re <u>c</u> eive | This will upload the current configuration operating within the <i>alpha</i> to the PC via |
| | the serial link for viewing and editing in the configuration suite. |
| Load <u>B</u> ackup | The configuration suite automatically saves a backup of each configuration. If |
| | necessary you can load this backup to reverse any changes to the open |
| | configuration. |
| <u>S</u> ave | Save the current open configuration |
| Save <u>A</u> s | Saves the current configuration under a different name |
| System Lock | Enables the system lock, preventing unauthorized users from editing the open |
| | configuration. Simply re-enter your user password to continue editing. |
| E <u>x</u> it | Exit from the alpha configuration Suite |



Edit Menu

| H AI | pha Configuratio | on Sui | te | = 0 × |
|--------------|--------------------------------|--------------|------------------|--------------|
| <u>F</u> ile | <u>E</u> dit <u>C</u> onfigure | <u>V</u> iew | <u>S</u> imulate | <u>H</u> elp |
| | S.I. <u>U</u> | | | |
| | <u>B</u> utton | | | |
| | <u>M</u> atrix | | | |
| | PI <u>0</u> | | | |
| | B <u>u</u> sy | | | |
| | Live | | | |
| | <u>W</u> ake | | | |
| | <u>S</u> urvey | | | |
| | M <u>a</u> cro | | | |
| | ⊻olume | | | |
| | <u>T</u> rigger | | | |
| | Pass <u>w</u> ord | | | |
| | | | | |
| | | | | |
| | | _ | | |
| Edit | or Add a Serial Inte | rafce U | nit | |

| S.I. <u>U</u> | Add or Edit A Serial Interface Unit |
|--|--|
| Button | Edit a Button on an SIU |
| Matrix | Configure Inputs and Outputs to the Matrix |
| PI <u>O</u> | Configure Parallel I/O |
| B <u>u</u> sy | Configure Busy Outputs |
| Live | Configure Live Outputs |
| <u>W</u> ake | Configure Wake up Signaling to amplifiers |
| <u>S</u> urvey | Set up 20kHz Critical path testing signal |
| | sources. |
| M <u>a</u> cro | Not yet implemented |
| Volume (now in Configure Menu "Input Level") | Volume and EQ settings for each input to the |
| | matrix |
| Trigger (now in Configure Menu) | Configure SIU buttons to trigger an I/O line |
| Password | Configure User Passwords |



Edit SIU

| Serial Interface Unit Editor | î x |
|------------------------------|--|
| S.I.U. Name : | S.I.U. Settings |
| Mic Unit 1 | Siu Id 1 |
| Mic Unit 1 Mic Unit 2 | Report Fault Yes |
| Mic Unit 3 | Retry Attempts |
| | S.I.U. Timing Response Time (ms) 50 Failed Poll Rate (ms) 1000 |
| New S.I.U. Copy S.I.U. | Normal Poll Hate (ms) |
| <u>D</u> elete <u>Apply</u> | <u>DK H</u> elp <u>C</u> ancel |

| SIU Name | Each mic unit can be given a unit name. |
|------------------|---|
| SIU ID | Each Mic unit must have a unique ID. |
| Report Faults | The mic unit can be configured to report any communications faults to the |
| | FMS system. |
| Retry Attempts | Sets the amount of communications retries to a failed mic unit. |
| Response Time | Set the time limit that the <i>alpha</i> waits for a reply from a polled mic unit |
| Failed Poll Rate | Sets the frequency at which the mic unit is attempted to be polled by the |
| | alpha after a comms failed |
| Normal Poll Rate | Sets the frequency at which the <i>alpha</i> communicates with the mic unit |
| Normal Poll Rate | Sets the frequency at which the <i>alpha</i> communicates with the mic unit |
| ProtoCol | Leave Set to 0 |
| Button Qty | Unused |

To Create a new SIU Press the New SIU button and configure as required.

If you need to add an SIU and it is similar to an existing SIU, using the Copy SIU may be quicker to configure.

Press Apply to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel



Edit Button

| ystem Button Editor | ? |
|--|-------------------|
| Serial Interface Unit Configuration | |
| Current | |
| Edit a Button | <u>.</u> Дррју |
| Button Name : Baggage Alert Id : 1 | <u>D</u> elete |
| Button Override Button Priority : 100 | <u>C</u> ancel |
| | <u>H</u> elp |

| SIU Name | Select the SIU of which you wish to edit the button configuration |
|-----------------|--|
| Button Name | Selects The button you wish to configure |
| Button ID | Indicated the ID number of the selected button |
| Button Override | Select for the button to be overriden by either another zone or another button |
| Button Priority | Each button can be configured to have its own priority. |

Press Apply to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel



Edit Matrix

| stem Matrix Editor Matrix Alpha 1 | ld: 1 | Type Input (source) Output (dest.) |
|--|--------|---|
| Port Bagge Alert Input Bagge Alert Input Message Card 1 Source 12 Source 13 Source 13 Source 14 Source 15 Source 16 Source 2 Source 3 | ld : 5 | Busy Threshold 10 <u>D</u> K <u>Update</u> <u>D</u> elete <u>C</u> ancel <u>H</u> elp |

| Matrix Name | This allows you to name each of you matrices | |
|----------------|--|--|
| Matrix ID | Indicates the unique ID number | |
| Port Name | Each Input and Output can be given a unique | |
| | name. | |
| Port ID | This will indicate the physical ID of each input | |
| | or output | |
| Туре | Select Input or Output to switch between I/O | |
| | types | |
| Busy Threshold | Sets the threshold at which the input or output | |
| | will give a Busy output indication | |

Press Update to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel



Edit PIO (Parallel Input/Output)

| System PIO Edi | tor 👔 🗙 |
|------------------------|---|
| PIO Port : | 1 |
| Port C I/P C 0/F | 8 7 6 5 4 3 2 1 C C C C C C Hi C C C C C C Lo |
| | <u>OK Apply D</u> elete <u>C</u> ancel Help |

| PIO Port | Select either 1 or 2 for first or second bank of 8 I/O points. |
|----------|--|
| Port | Selects IO type you wish to edit (input or Output) |
| 8 - 1 | Enable you to select the status of any input or output to be Active Hi or Active Low |

Press Apply to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel



Edit Busy



| Busy | Name of the Busy control signal | |
|--------------------|--|--|
| Destination Name | Matrix Name | |
| Destination Button | Selects a button you require to generate a busy output | |
| IO Pin Number | Selects the Output you wish to trigger as a result of a busy being generated | |
| Priority | Sets the priority of the busy output | |

Press Apply to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel



Edit Live

| System Live Editor | | ?× |
|--|------------------|----------|
| IO Pin | Matrix | Mtx |
| Output Pin 01 | Alpha 1 💌 | 0 |
| Live Name Unassigned | Source | Port |
| <u>D</u> K <u>Apply</u> <u>C</u> ancel <u>D</u> elete | Port No. Bit No. | Priority |

| Live | Give each Live output used a unique name. |
|--------|---|
| Source | Select the input, which will generate the Live output. State matrix number and audio source within that matrix. |
| IO Pin | Select I/O pin to operate for the Live output. |

Press Apply to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel



Edit Survey

| System Survey Editor Wake | |
|--|--------------------------------|
| Survey Zone | |
| Message Card 1 Message Card 1 Zone 2 Zone 3 Zone 4 Zone 6 Zone 9 Zone 9 | <u>O</u> K <u>Apply</u> |
| Mtx Id Port 1 2 5 6 | <u>C</u> ancel <u>H</u> elp |
| | |

| Wake Name | Name of the Wake Up signal to operate before the broadcasting the 20kHz surveillance tone. |
|---------------|--|
| Survey Source | Select the source unit that will generate the surveillance tone. |
| Survey Zone | Add the zones the surveillance is required to cover. |

Press Apply to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel



Edit Volume (Configure Input Levels)

| Source Source 01 Mtx Id Port Id 1 5 OK Cancel Help Controls Volume Bass Treble 0 0 0 0 | Edit Input Level Controls | | | ? X |
|--|---------------------------|----------------|------|--------|
| Source 01 Volume Bass Treble Mtx Id Port Id 5 60 1 +30 +30 0K Cancel 30 0 0 0 Help Help -30 -30 -30 | Source | Controls | | |
| Mtx Id Port Id 1 5 0K Cancel Help -30 | Source 01 | Volume | Bass | Treble |
| OK Cancel | Mtx Id Port Id | 60 60 30 | +30 | 0 |
| | OK Cancel Help | | T | T -30 |

| Source | Selects the audio source input to modify |
|----------|---|
| Controls | Set the individual Volume and EQ levels of the selected audio input |

To accept the changes you have make press

To ignore the changes press Cancel



Edit Trigger (Configure Trigger)

| IO Trigger Editor | | | <u>?×</u> |
|-------------------|------|--|-----------|
| S.I.U. | | Button | |
| | Port | Button 1 Button 2 Button 3 Button 4 | No. |
| Port : | | Button 5 Button 6 Button 7 Button 8 | |
| Pin : | | | |
| | | <u>D</u> elete <u>Cancel</u> | |

| SIU Name | Select the SIU that will generate the trigger |
|----------------|--|
| Button | Select the button which will cause the trigger |
| IO Information | Select the I/O pin you wish to be triggered, you |
| | need to state port number and pin |

Press Apply to make the changes, and Ok to accept the Changes

To Ignore the changes press Cancel



Password

| System Pas | sword Editor | | ?× |
|----------------|--------------|----------|----------------|
| Password : | 1039 | • | Add |
| Access Level : | Engineer | _ | <u>D</u> elete |
| | 1 3 | | <u>F</u> inish |
| | | | |

| Password | Input a Password |
|--------------|--|
| Access Level | Select the level of Access. Passer-by, User, |
| | Engineer or Superuser. |

Press Add to add a user, Press Finish to accept the Changes

Press Delete to remove a user, and then Finish to accept the Changes



| | | | - (| | 33- | | / |
|--------------|--------------|-------------------|----------|------------------|--------------|------|-------|
| :: Alp | oha Co | onfigurati | on Sui | te | | | _ 🗆 × |
| <u>F</u> ile | <u>E</u> dit | <u>C</u> onfigure | ⊻iew | <u>S</u> imulate | <u>H</u> elp | | |
| | | S.I. <u>U</u> | | | | | |
| | | <u>P</u> tt | | | | | |
| | - 1 | <u>M</u> essag | ge | | | | |
| | | <u>L</u> ock T | ime | | | | |
| | | <u>C</u> omms | | | | | |
| | _ | | | - | | | |
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| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| Config | gure a S | Serial Intera | afce Uni | it's Assignn | nents | | |

Configure Menu (Now has Trigger & Input Level)

 S.I.U
 Configure the Serial Interface Unit's Assignments

 <u>Ptt</u>
 Configure Ptt's inputs to the alpha

 <u>Message</u>
 Configure the message cards of the alpha

 <u>Lock Time</u>
 Adjust the settings of the screen lock.

 <u>C</u>omms
 Configure the Comms settings of the configuration PC



Configure SIU

Example 1

| S.I.U. | Button | Source | Destination |
|---------------------------|----------------------|------------------|-------------|
| 4ic Unit 2 | Button 5 | Source 2 🔹 | Zone 5 |
| vic Unit 1 | Button 16 | Source 2 | Zone 5 |
| Mic Unit 3 | Button 3 | | |
| | Button 4 Button 5 | | |
| | Button 6 | | |
| | Button 7 Button 8 | | |
| | Button 9 🗾 | | |
| | | | |
| | ld: | Matrix Port Msg | Matrix Port |
| 2 | 5 | 1 6 0 | 1 5 |
| | | | |
| | -Button Info | - Edit Controls- | |
| <u>O</u> K <u>C</u> ancel | Priority : Ign | | |
| | 130 | Delete | Apply |

This example shows the Routing of a microphone Audio Source to its Destination, dependant upon a button selection on a specific SIU. Shown below is how the above configuration would work in practice.





Example 2

| ierial Interface Unit Configuratio | n | | <u>?</u> × |
|--|---|---|-------------|
| S.I.U. | Button | Source | Destination |
| Mic Unit 3 Mic Unit 1 Mic Unit 2 Mic Unit 3 | Button 6 Button 4 Button 5 Button 6 Button 8 Button 8 Button 9 Trigger 1 Trigger 2 Trigger 3 | Message 1 | Zone 12 |
| ld: 3 | ld: 6 | Matrix Port Msg Matrix Port Msg 1 2 1 | Matrix Port |
| <u>D</u> K <u>C</u> ancel <u>H</u> elp | Button Info Priority : 80 OverRide : Zone | Edit Controls | Apply |

This example shows the Routing of a message as the audio source to multiple destinations dependant upon a button selection on a specific SIU. Shown below is how the above configuration would work in practice





Configure PTT

| s tem PTT Configu - PTT | ration | | | | | ? |
|--|------------------|---|------------------------|------------|---|------|
| Name | ld: 1 | | Sourc | e | Destinat | ion |
| Ptt 1 Ptt 2 Ptt 3 Ptt 4 Ptt 5 Ptt 6 | | Input Pin 13 Port : Pin : 3 5 Priority : Msg Id: 70 0 OverRide : Zone | Source 13 Source 13 | | Custom's Alert Custom's Alert Zone 10 Zone 11 Zone 12 Zone 13 Zone 14 Zone 15 Zone 16 Zone 2 | |
| <u>D</u> elete | Update Cancel | <u>H</u> elp | Matrix | Port 13 | Matrix | Port |

| PTT Name | Name of PTT signals |
|------------------|---|
| Input Pin Number | Set up the input pin that will be used for the |
| | PTT signal. |
| Source | Source input you wish to route |
| Destination | Destination you require your source input to be |
| | routed to. |
| Priority | Sets the priority of the PTT signal |
| OverRide | Configures the PTT to be either overriden by |
| | another button or a complete Zone. |

This Setup screen is used primarily to configure the operation of the SMU 1 microphones. This pre configures the source and destination routing for when the PTT button is pressed. The PTT is not limited to this, it could also be configured to accept any closing or opening contact e.g. from a fire panel and route a source, e.g. an Evacuation message to a destination.

Press Update to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel



Configure Message

| age Configuration | | | |
|-------------------------------|----------------|------|----------------|
| Source Card | Level Controls | | |
| Message Card 1 | Volume | Bass | Treble |
| Mtx Id Port Id | | | |
| 1 2 | | | |
| lessage | | | |
| | | | |
| Msa Id Seament Silence | | | |
| | | | |
| C Plauto End C Plauwhile Held | Min | Min | I Min |
| | 0.00 dB | +0 | +0 |
| | | | |
| <u>OK</u> <u>A</u> pply | <u>D</u> elete | | <u>C</u> ancel |

| Message Source | Select the source message card 1,2, or 3 |
|----------------|---|
| Message Name | You can give each message a informative |
| | name |
| Message Id | Each message has a unique Id, shown here. |
| Segment | Each D776 Message card is split into 10 |
| | segments. Select here the segment in which |
| | the message is held. |
| Silence | Allows you to configure a fixed length of silence |
| | after a message. |
| Playback type | Each message has the option of either playing |
| | the whole message to the end when the button |
| | has been pressed and released or only playing |
| | the message while the button is held |
| Level Controls | The sliders provide Volume and EQ controls on |
| | a per message biases. There is also a volume |
| | control for the 20kHz surveillance tone. |

Press Apply to make the changes, and Ok to accept the Changes

To Delete the properties press delete, and then Ok to accept the Changes

To Ignore the changes press Cancel

For Help press Help.

Configure Lock Time



| Lock Screen Tir | neout | x |
|-----------------|--------------|---|
| Enter a new Tim | neout (Secs) | |
| 60 | | 1 |
| ОК | Cancel |] |

Enter a Time for the Screen lock to activate, to prevent unauthorized users from using the configuration software.

Configure Communications

| Configure a Port | | | ? × |
|----------------------------------|----------------|-------------|--------|
| Com Port Setting's - | | | |
| • Com <u>1</u> | Poll Rate : | 2000 (| ms) |
| C Com <u>2</u> | Retry's : | 4 (| qty) |
| Timeout's (ms) Data Packet :- | 2500 | Total :- 10 | 0000 |
| | <u>C</u> ancel | <u>D</u> e | faults |

| Port Settings | Select the communications Port of the |
|---------------|--|
| | Configuration PC you wish to use to |
| | communicate to the <i>alpha</i> |
| | |
| Poll | Frequency at which the <i>alpha</i> is sent |
| | messages (polled) |
| Retry | Configure the amount of time the PC will retry |
| | the communications before failing the link. |
| Data Packet | Time to wait for a response back from the |
| | alpha after proccess a packet |
| Default | Reset defaults |

To keep any changes press Apply.

To discard the changes press cancel

View Menu (Inactive)



| Appla Configuration Suite |
|--|
| <u>File Edit Configure View Simulate H</u> elp |
| Map |
| Statistics |
| |
| |
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| |
| |
| |
| View System map |

| <u>M</u> ap | Not yet implemented |
|-------------|---|
| Statistics | Shows the real time statistics of the alpha |
| | connected to the configuration PC |

View Statistics (Inactive)

| System Statistics | | | ? X |
|-------------------|-----|--------------------------|----------|
| Failed S.I.U.'s | qty | Resources Free : qty | <u> </u> |
| Max Calls : | qty | Call's in Progress : qty | Cancel |
| Max Tie Lines : | qty | | Help |
| | | | |



Simulate Menu (Inactive)

| : Al | pha (| Configurati | on Sui | te | | | |
|--------------|--------------|-------------------|----------|--|--------------|--|--|
| <u>F</u> ile | <u>E</u> dit | <u>C</u> onfigure | ⊻iew | <u>S</u> imulate | <u>H</u> elp | | |
| | | | | <u>S</u> .I.U. <u>P</u> tt <u>M</u> acro | | | |
| | | | | | | | |
| Simu | late a l | Seiral Interfa | ace Unit | : | | | |

| <u>S</u> .I.U | Simulate a Serial Interface Unit |
|---------------|----------------------------------|
| <u>P</u> tt | Simulate the PTT control |
| Macro | Not Yet Implemented |

Simulate SIU (Inactive)

| S.I.U. Simulation To | ool | | | | | ŶX |
|----------------------|-----------------------------|--------------|--------------|------------------|----------------|---------|
| S.I.U. Name : 🛛 | fic Unit 1 | • la | d: 1 | | | |
| Busy Confirm | Busy Confirm | Busy Confirm | Busy Confirm | Busy Confirm Bus | y Confirm Busy | Confirm |
| Busy Confirm | Busy Confirm | Busy Confirm | Busy Confirm | Busy Confirm Bus | y Confirm Busy | Confirm |
| <u><u>Q</u>K</u> | <u>C</u> ancel <u>H</u> elp | | | | Click to test | Speak |

Note: For this function to operate the Configuration PC must be connected to the *alpha* via the serial link.

This allows you to simulate the operation of any of the SIU's configured on the *alpha*. This enable you perform full system testing without having to wire up all the SIU's.



Simulate PTT (Inactive)

| System Sin | nulatio | n - PTT | | | | ? X |
|------------|---------|---------|--------|--------|------|-----|
| PTT- | | | | | | |
| | Nam | e: name | | ld: id | | |
| | | 1 | | | 9 | |
| | ☑ | 2 | | V | 10 | |
| | | 3 | | Γ | 11 | |
| | | 4 | | | 12 | |
| | | 5 | | Γ | 13 | |
| | Γ | 6 | | • | 14 | |
| | Γ | 7 | | Γ | 15 | |
| | | 8 | | Γ | 16 | |
| | | | | | | |
| | ОК |] [| Cancel | | Help |] |

Note: For this function to operate the Configuration PC must be connected to the *alpha* via the serial link.

This allows you to simulate the operation of any of the PTT input configured on the *alpha*. This enable you perform full system testing without having to wire up all the PTT inputs.



Help Menu

| 👯 Alpha Configuration Suite 📃 🗖 | | | | | | | |
|---------------------------------|--------------|-------------------|------|------------------|--------------------|--|--|
| <u>F</u> ile | <u>E</u> dit | <u>C</u> onfigure | ⊻iew | <u>S</u> imulate | <u>H</u> elp | | |
| | | | | | <u>C</u> ontents | | |
| | | | | | <u>U</u> sing help | | |
| | | | | | About | | |
| | | | | | <u>Bood</u> | | |
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| Cont | ents | | | | | | |

| <u>C</u> ontents | Unavialable |
|--------------------|--|
| <u>U</u> sing Help | Unavialable |
| <u>A</u> bout | Shows version and issue of configuration |
| | software |

About





Instruction Definitions

SIU

- #SIU,a,b,c,d,e,f,g,h,i; a - SIU Number (1 to 8) b - Button Number (1 to 16) c - Source Matrix (1) d - Source Port (1 -16) e - Destination Matrix (0 or 1) f - Destination Port (0 to 16) g - Button Priority (1 to 255) h - Override (Zone or Button)
- i Message Id Number (0 to 30)

Note:

If the destination port is set to zero, then the button has been configured to select a message. Other buttons can be configured on the same SIU to route this selected message to the different destination zones.

INPUT Definition

- #INPUT,a,b,c,d,e,f,g,h,i,j;
- a Input Number (1 to 16)
- b Input Port Number (3 or 4)
- c Input Bit Number (1 to 8)
- d Source Matrix (1)
- e Source Port (1 to 16)
- f Destination Matrix (0 or 1)
- g Destination Port (1 to 16)
- h Priority (0 to 255)
- i Override (Zone or Button) j – Message Id Number (0 to 30)

SIU Definition

#SIUDEF,a,b,c,d,e,f,g;

- a SIU Name
- b SIU Number (1 to 8)
- c SIU Fault Reporting (Fault Reporting On = 1, Fault Reporting Off = 0)
- d SIU Communications Retries (1 to 16)
- e SIU Communications Response Timeout (1 to 1000)msec
- f SIU Fail Poll Rate (1000 to 3000)msec
- g SIU Normal Poll Rate (1 to 1000)msec

Input Definition #INPUTDEF,a,b; a – Input Name

b - Input Number (1 to 16)



PMCV Push Button Definition

#BUTTONDEF,a,b,c,d,e;

- a Button Name
- b Button Number (1 to 16)
- c SIU Number (1 to 8)
- d Button Priority (0 to 255)
- e Override (Zone or Button)

Input Source Definition

#SOURCEDEF,a,b,c,d,e,f;
a - Input source type (Message Card or Source)
b - Matrix Number (1)
c - Input Port Number (1 to 16)
d - Input Volume Level (0 to 63)
e - Input Bass EQ Level (0 to 63)
f - Input Treble EQ Level (0 to 63)

The user selects must select the type of input either message card or source (typically a PMCV). The matrix number relates to the network address of the *alpha*. The input port number is the port the input is physically connected to. Each source can also be configured with individual Volume and EQ settings.

Output Zone Definition

#ZONEDEF,a,b,c; a – Zone Name b – Matrix Number (1) c – Audio Output Channel Number (1 to 16)

Matrix Definition

#MATRIXDEF,a,b,c;

- a Matrix Name
- b Matrix Reference Number (1)
- c Busy Threshold (1 to 255)

Trigger Definition

- #TRIGGER, a, b, c, d; a - I/O Port Number (1 to 4) b - I/O Pin Number (1 to 8) c - SIU Number (1 to 16) d - Dutter Number (1 to 20)
- d Button Number (1 to 96)

Parallel I/O Definition #PIO,a,b,c;

a – I/O Pin Number (1 to 4)

b – Select I/O type (Input or Output)
 c – Selects Active High or Active Low Output. Bit Clear for Active High, Bit Set for Active Low.



Busy Definition

#BUSY,a,b,c,d,e,f;
a – Busy Signal Name
b – Busy Port Number (1 or 2)
c – Busy Bit Number (1 to 8)
d – Matrix Number (1)
e – Destination Port Number(1 to 16)
f – Busy Priority (0 – 255)

Live Definition

- #LIVE,a,b,c,d,e;
- a Live Signal Name
- b Live Port Number (1 or 2)
- c Live Bit Number (1 to 8)
- d Matrix Number (1)
- e Source Port Number (1 to 16)

Wakeup Definition

- #WAKE,a,b,c,d;
- a Wakeup Signal Name
- b Wakeup Id Number (1 to 16)
- c Wakeup Port Number (1 or 2)
- d Wakeup Bit Number (1 to 8)

Surveillance Definition

#SURVEY,a,b,c,d,e;

- a Wakeup Id Number (1 to 16)
- b Source Matrix (1)
- c Source Port (1 to 16)
- d Destination Matrix (1)
- e Destination Port (1 to 16)

Message Configuration

#MSGCFG,a,b,c,d,e,f,g,h,i,j,k;

- a Message Name
- b Message Id Number (0 to 30)
- c Source Matrix (1)
- d Source Port (1 to 16)
- e Message Segment Number (0 to 9)
- f Message Volume Level (0 to 63)
- g Message Bass EQ Level (0 to 63)
- h Message Treble EQ Level (0 to 63)
- I Surveillance Level (0 to 9)
- j-Silence after end of Message (0 to 9) seconds
- $k-Mode,\,Message\,\,can\,\,be\,\,configured\,\,for\,\,'Play\,\,To\,\,End'(\,)\,\,or\,\,'Play\,\,While\,\,Held'\,(\,)$

Each message can be assigned a name, this is ignored by the *alpha*,

