

Input (A and B)	Description	Variables	Notes
UPL Statement	If a specified UPL statement is true	UPL statement number	
GPI Input	If a system GPI Input is activated	GPI Input number and Alpha	
GPI Input (Local)	If a GPI Input on a keypanel is activated	Port and Alpha, GPI Input number	
GPI Output	If a system GPI Output is activated	GPI Output number and Alpha	
GPI Output (Local)	If a GPI Output on a keypanel is activated	Port and Alpha, GPI Output number	
Talk Key	If a specified Talk Key on a keypanel is ON	Port and Alpha, key number	
Listen Key	If a specified Listen Key on a keypanel is ON	Port and Alpha, key number	
UPL Resource	If a UPL Resource key is activated	Number and Alpha	
Crosspoint	If a specified Crosspoint is made	Input port and Alpha, Output port and Alpha	
Input Talking	If a specified port is talking to anyone	Input port and Alpha	
Output Listening	If a specified port is listening to anyone	Output port and Alpha	
Headset Transfer	If a keypanel is put into headset mode	Port and Alpha	
Current Date	If the Current Date is	Date: YY/MM/DD	Select Operation from the drop down. = (equals), != (does not equal), < (less than), >= (greater than or equal to), > (greater than), <= (less than or equal to). Requires Azedit connected as date derived from Windows PC.
Current Time	If the Current Time is	Time: HH:MM:SS	24 hour time format, Select Operation from the drop down. = (equals), != (does not equal), < (less than), >= (greater than or equal to), > (greater than), <= (less than or equal to). Requires Azedit connected as time derived from Windows PC.
IFB Interrupted	If a specific IFB is keyed	IFB number and Alpha	
Counter	If a counter is	Counter number and time value	Counters count in increments of time. Each counter is equal to 100ms of time. Up to 256 counters can be used. A counter has a number which would correspond to the same UPL statement number as it is being used with. Select Operation from the drop down. = (equals), != (does not equal), < (less than), >= (greater than or equal to), > (greater than), <= (less than or equal to).
Vox Audio	If audio is detected on a particular port	Input port and Alpha	Vox threshold and Hold Time set per port set via Vox page
Any Talk Key	If Any Talk Key is on a particular keypanel is ON.	Port number and Alpha	
Keypanel Talking	If a keypanel is present on a port	Port number and Alpha	

Output	Description	Variables	Notes
Close Crosspoint	Close the crosspoint from the specified input to the specified output	Input port number and Alpha, Output port number and Alpha	
Inhibit Crosspoint	Open the crosspoint from the specified input to the specified output.	Input port number and Alpha, Output port number and Alpha	
Assert GPI Output	Activate the specified System GPI Output	GPI Output number and Alpha	
Inhibit GPI Output	Prevent the specified System GPI Output from triggering	GPI Output number and Alpha	
Assert GPI Output (Local)	Activate a GPI Output on a keypanel	Port number and Alpha, GPI Output number	
Inhibit GPI Output (Local)	Prevent the specified System GPI Output on a keypanel from triggering	Port number and Alpha, GPI Output number	
Force Talk Key Closure	Force the specified talk key ON	Port number and Alpha, key number	
Force Talk Key Open	Force the specified talk key OFF	Port number and Alpha, key number	
Dim Crosspoint Volume	Cause the specified output to hear the specified input at a reduced volume level	Input port number and Alpha, Output port number and Alpha, Dim Amount	Dim amount value from -1.0dB to -72.2dB, and mute
Load File	Cause a file to be loaded and sent to the intercom system.	File name	AZedit must be in SERVER mode. Files are taken from the directory location as specified under Options\Preferences\General 'Setup Files (.ADM)
Force Listen Key Closure	Force the specified listen key ON	Port number and Alpha, key number	
Force Listen Key Open	Force the specified listen key OFF	Port number and Alpha, key number	
Clear Counter	Clear the Counter	Counter number	0 clears all counters
Inhibit Output	Prevents any crosspoints being made to a particular output	Output port number and Alpha	
Inform Command Line Protocol	N/A	N/A	This is not configurable from AZedit and is indicated in pink and can not be selected. This option is used by the command line protocol only. This can be used to monitor the query sent from the command line protocol. A UPL statement gets an action of "Inform CLP" when the user creates a Stored Query (via CLP). In this case, the actual stored query is saved in the UPL description field.  There is a back-door allowing you to set up arbitrary UPL statements with "Tell CLP" as the action. You can take an existing UPL statement (with "Tell CLP" as the output action), copy it, paste it as a new UPL statement, and then edit the input condition(s). This allows you to set up stored queries via AZedit, rather than having to do it through CLP. In this case it is highly recommend that the description field is changed to reflect the actual use of the statement
Set Headset Transfer State	Changes a keypanels headset state	Port number and Alpha, Headset state	Headset state options are: Turn Headset transfer OFF, Turn Headset transfer ON, Force Headset transfer OFF, Force Headset transfer ON Release Headset transfer. when force is used the user cannot change the headset transferonce the transfer is complete.

Output	Description	Variables	Notes
Set Talk Key LED State	Set a talk key LED to a particular state	Port number and Alpha, key number, LED state	LED state options are: Local Control (Keypanel controls the LED), Solid Red, Solid Green, Solid Amber, Slow Red Flash, Slow Green Flash, Fast Red Flash, Fast Green Flash, Slow Red Wink, Slow Green Wink. To put control of an LED back to keypanel and inverse statement must be written with the output action of set talk key LED state set to local control.
Set Listen Key LED State	Set a listen key LED to a particular state	Port number and Alpha, key number, LED state	LED state options are: Local Control (Keypanel controls the LED), Solid Red, Solid Green, Solid Amber, Slow Red Flash, Slow Green Flash, Fast Red Flash, Fast Green Flash, Slow Red Wink, Slow Green Wink. To put control of an LED back to keypanel and inverse statement must be written with the output action of set talk key LED state set to local control.
Set IFB Program Input	Set the Program Input Port for an IFB assignment	IFB number and Alpha, Input port number and Alpha	Setting the input port number to 0 will assign no program input to an IFB.
Start Paging System Macro	Send a signal over a serial connection to a paging system to start a macro.	Macro number	The macro is stored in the paging system. AZedit sends an event to trigger the macro on the Paging System. This is specifically for a Dynacord paging system to enable a control function to exist between the RTS matrix system and the functions of the paging system.
Stop Paging System Macro	Send a signal over a serial connection to a paging system to end the macro.	Macro number	The macro is stored in the paging system. AZedit sends an event to trigger the macro on the Paging System. This is specifically for a Dynacord paging system to enable a control function to exist between the RTS matrix system and the functions of the paging system.

**Operators**

UPL statements can be written with a single input condition or with two different input conditions. Operators can be used to create different variable conditions. The operators offered are AND, OR XOR (Exclusive OR). Selecting AND as an operation will require an input A and input B statement to be written and both will need to be true for the output action to happen. An OR statement will require an input A and an input B statement to be written but either statement will cause an output action to happen (could be both if they both become true). An XOR statement requires both an input A and input B statement to be written and one or the other statement but not both will cause an output action to happen but if both statements become true then the output action will stop.

**Types of statements**

There are two types of statements; IF and WHILE. A WHILE statement will cause the output action to occur only whilst the input condition/s are true. As soon as an input action becomes false the output action will stop.

An IF statement will cause an output action to happen continually. To prevent this a second statement would need to be written inverted the input/s. An identical second statement should be written but 'invert input A' and if applicable 'invert input B' should be checked.

**Inverse statements**

To reverse the input condition check 'invert input A/B'. The invert check box is often used in one UPL statement to cancel an action caused by some other UPL statement.

**Enable**

UPL statements can be written but by unchecking 'enable' they will not be operational

**Description Fields**

You can enter your own comment against each statement which appears in the Description column on the main page. It is recommended you do this to provide a quick view of the actions being performed by each statement.

There is also a description field which automatically populates on the UPL configuration window.

This provides a full explanation for each UPL depending on the input conditions and output actions chosen.