CRESTRON

Partner: Clearone
Model: XAP Series Dialer
Device Type: Audio Conference

GENERAL INFORMATION

SIMPLWINDOWS NAME:	CMS Clearone XAP Dialer
CATEGORY:	Conference
VERSION:	V1.0
SUMMARY:	
GENERAL NOTES:	The module uses real feedback from the Clearone unit for hook status, auto answer status, mute status, privacy status, and firmware version number. They should be updated automatically whenever any parameter changes on the Clearone. If it is desired to update the status any other time, the POLL input could be pulsed. This will request the status of all parameters. Before using any other functions on this module, you should pulse the RS232-ON input. This will enable feedback from the Clearone system so that the Crestron system can know the correct state of all paramaters. In normal use, the phone line will be on hook (hung up). A number will be dialed on the keypad, and it will be displayed in the display field. When DIAL is pressed, the phone line will be taken off hook, and the currently displayed number will be dialed. Any additional digits entered after the phone line is off hook will be sent out immediately, and will not be displayed on the touch panel. This is primarily for voice mail and paging systems. The maximum number of characters that can be entered for the phone number is 40. This is a function of the XAP, not a Crestron limitation. The Crestron system can be connected to the XAP in two ways. 1. A direct RS232 connection between a Crestron com port and the com port on the XAP, or 2. A connection between the Crestron system and an XAP 800. The XAP can be connected to the XAP 800 over the Clearone bus. so the Crestron system can communicate with the XAP through the XAP 800. Multiple XAP's can be linked together, so each one is assigned an address from 0 to 15. You must enter the address of the unit you wish to control using the Device ID paramater field. The ID must be entered as an ASCII character, so if the ID of the XAP is 0 then enter 0 in the parameter, if it is 12 then enter 12.
CRESTRON HARDWARE REQUIRED:	C2-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 38400 Parity: None Data Bits: 8 Stop Bits: 1 Handshaking: RTS/CTS
CABLE NUMBER:	CNSP-141

©2004 Crestron Electronics, Inc.
15 Volvo Drive · Rockleigh, NJ 07647
800.237.2041 / 201.767.3400
www.crestron.com
Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. Specifications subject to change without notice.

Partner: Clearone
Model: XAP Series Dialer
Device Type: Audio Conference

CONTROL:

RS232-ON	D	Pulse to enable proper RS232 communications between the Crestron and Clearone systems
POLL	D	Used if it is desired to update the state of the Crestron to match the XAP. Updates should happen automatically, so this can usually be defined as 0.
AUTO-ANS-ON/OFF	D	Turn auto answer on/off
AUTO-DISC-ON/OFF	D	Turn auto disconnect on/off
MUTE-ON/OFF	D	Mute/Unmute incoming audio (telco)
PRIVACY-ON/OFF	D	Mute/Unmute outgoing audio (telco)
ON/OFF-HOOK	D	Place phone on/off hook (hang up / pickup)
FLASH	D	Momentary interruption to phone line connection
KEYPAD-*	D	Pulse to enter standard touch tone digits
KEYPAD-PAUSE	D	Insert a pause in the phone number to be dialed. This will be represented as a comma (,)
KEYPAD-CLEAR	D	Clear the phone number currently displayed
KEYPAD-BACKSPACE	D	Backspace currently displayed number one digit.
DIAL	D	Dial the phone number currently displayed
REDIAL	D	Redials the last number dialed
PRESET-*	D	Store/Recall up to 10 speed dial preset numbers. If a preset is pressed while PRESET-STORE-FB is low, the preset number will be recalled. If pressed while PRESET-STORE-FB is high, the number displayed will be stored into the preset.
PRESET-STORE	D	To store a preset, enter the number on the keypad, press PRESET-STORE, and then press the preset number.
From_Device$	S	Serial signal to be routed to a 2-way RS232 port

Partner: Clearone
Model: XAP Series Dialer
Device Type: Audio Conference

FEEDBACK:

AUTO-ANS-ON/OFF-FB	D	Real feedback indicating Auto Answer mode
AUTO-DISC-ON/OFF-FB	D	Real feedback indicating Auto Disconnect mode
MUTE-ON/OFF-FB	D	Real feedback indicating Mute On/Off status
PRIVACY-ON/OFF-FB	D	Real feedback indicating Privacy On/Off status
ON/OFF-HOOK-FB	D	Real feedback indicating that phone is on/off hook
PHONE-NUMBER$	S	Serial data string showing phone number entered
PRESET-*-FB	D	Feedback indicating currently selected preset
RING	D	One second pulse whenever a ring is detected on the phone line
VERSION$	S	Serial data string showing current version firmware in XAP
To_Device$	S	Serial signal to be routed to a 2-way RS232 port

TESTING:

OPS USED FOR TESTING:	3.137
SIMPL WINDOWS USED FOR TESTING:	2.07.32
CRES DB USED FOR TESTING:	18.1.5
SYMBOL LIBRARY USED FOR TESTING:	387
SAMPLE PROGRAM:	CMS Clearone XAP Dialer Demo.smw
REVISION HISTORY:	v1 – Initial Release v1.1 – Fixed continuous polling