SIMPLWINDOWS NAME:	Gentner XAP800/PSR1212 Gating Controls
CATEGORY:	Conferencing
VERSION:	1.0
SUMMARY:	Allows selection of a gating group and adjustment of settings within the group
GENERAL NOTES:	The commands used for the XAP800/PSR1212 mixer are similar to the commands used for the Gentner AP800/AP400. Therefore the same modules developed for the XAP800/PSR1212 may work on other (past and future) Gentner products. To allow for this flexibility of use, you must specify which Gentner model is being controlled using the TYPE-ID-ASCII parameter field. Currently valid entries are a single digit from 1 to 5 with no suffix as shown below:

For XAP800, use 5
For PSR1212, use 4
For AP400, use 3
For AP10, use 2
For AP800, use 1

Multiple devices can be connected to the Gentner bus and controlled from a single RS232 port. Therefore, it is also necessary to enter the Unit ID of the device being controlled. This should be entered in the UNIT-ID-ASCII parameter field as a single digit number from 0-8 with no suffix.

This module allows any of gating groups 1-4 and A-D to be selected, and the following parameters to be adjusted for each

1. First Mic Priority
2. Maximum Number of Mics
3. Last Mic On

In addition, this module allows you to request the current gate status, to allow you to detect which mics are currently gated on. The current gating status is requested by pulsing the REQ-GATE-STATUS input. When a new Gating Group is selected using the GROUP-* inputs, the current settings will be automatically requested for that group, and updated on the outputs of the module.

CRESTRON HARDWARE REQUIRED:	CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	Baud Rate -38400 Parity - None Data Bits - 8 Stop Bits - 1 RTS and CTS Handshaking should be enabled to insure no data is lost.
VENDOR FIRMWARE:	PSR1212 1.0.3 XAP-800 - 1.1.0
VENDOR SETUP:	Flow control should be set to "on". The baud rate should be set to 38400.
CABLE NUMBER:	CNSP-141

CONTROL:

GROUP-*	D	Pulse to select which gating group to view/adjust
MAX-MICS-*	D	Pulse to set the number of Maximum Number of Microphones
FIRST-MIC-PRIORITY-*	D	Pulse to enable/disable/toggle the First Mic Priority mode
LAST-MIC-MODE-*	D	Pulse to set up the Last Mic On Mode
REQ-GATE-STATUS	D	Pulse to request the mics which are currently gated on
TYPE-ID-ASCII	P	Enter 4 for PSR1212, 5 for XAP800
UNIT-ID-ASCII	P	Enter the unit number of the XAP800/PSR1212. Should be a number from 0-8

FEEDBACK:

GROUP-*-FB	D	Indicates which gating group was last selected
MAX-MICS-*-FB	D	Indicates the current maximum number of microphones
FIRST-MIC-PRIORITY-*-FB	D	Indicates the current setting of first mic priority mode
LAST-MIC-MODE-*-FB	D	Indicates the current setting of Last Mic Mode
MIC-*-GATE-ON	D	Indicates which mics were gated on the last time that the REQ-GATE-STATUS was pulsed
GENTNER-TX$	S	Serial signal to be routed to a 2-way RS232 port

OPS USED FOR TESTING:	5.12.26x
COMPILER USED FOR TESTING:	SimplWindows Version 1.61.12
SAMPLE PROGRAM:	Gentner XAP800/PSR1212 Demo Program
REVISION HISTORY:	None