

SIMPLWINDOWS NAME: None

CATEGORY: Conferencing

VERSION: 1.0

SUMMARY: Controls EF200 functions for advanced setup

GENERAL NOTES: Each different ASPI device on the ASPI bus will have a unique unit ID. The module requires unit ID values as parameters. The unit ID has to be the HEX representation of the Unit ID. For example, for a unit ID of 00, the correct parameters on the module would be 30 for UNIT_ID_HIGH and 30 for UNIT_ID_LOW. For a unit ID of 01, the correct parameters on the module would be 30 for UNIT_ID_HIGH and 31 for UNIT_ID_LOW.

The module uses real feedback from the ASPI unit for all outputs.

The POLL_BEGIN and POLL_END can be used to do an initial poll of the ASPI units for their current status. The modules which have these inputs should daisy chain together with the POLL_END output of the first module triggering the POLL_BEGIN input of the next module. POLL_END of the last module does not get attached to another module. See the example program for proper implementation of this function.

The ASPI Serial String Que must be used to ensure that ASPI bus traffic is handled properly. Failure to implement this module may result in improper feedback from the ASPI units. See the example program for proper implementation of this function.

CRESTRON HARDWARE REQUIRED: CNXCOM-2, ST-COM, CNXCOM, CEN-COM

SETUP OF CRESTRON HARDWARE: Tested and verified at the following settings:

Baud Rate - 9600
 Parity - None
 Data Bits - 8
 Stop Bits - 1

No Handshaking

VENDOR FIRMWARE: 1.05

VENDOR SETUP: None

CABLE NUMBER: CNSP-121

CONTROL:

LINE_ECHO_CANCEL_ON	D	Turn on line echo cancellation
LINE_ECHO_CANCEL_OFF	D	Turn off line echo cancellation
NOISE_SUPPRESSION_ON	D	Turn on noise suppression
NOISE_SUPPRESSION_OFF	D	Turn off noise suppression
AUTO_GAIN_CONTROL_ON	D	Turn on auto gain control
AUTO_GAIN_CONTROL_OFF	D	Turn off auto gain control
REMOTE_CONNECT	D	Connect the remote end

REMOTE_DISCONNECT	D	Disconnect the remote end
LOCK_FRONT_PANEL_ON	D	Turn on front panel lock
LOCK_FRONT_PANEL_OFF	D	Turn off front panel lock
NOISE_SUPPRESSION_6DB	D	Turn on 6DB noise suppression
NOISE_SUPPRESSION_10DB	D	Turn on 10DB noise suppression
(TONES)_TO_AEC/REMOTE	D	Sends specified tone to AEC and REMOTE outputs
(TONES)_TO_PHONE	D	Sends specified tone to the phone
POLL_BEGIN	D	Digital trigger used to request an update poll for real feedback status. This only needs to be implemented at program startup a status update is desired
ASPI -RX\$	S	Serial data string to be routed from the RX\$ of a COM port

FEEDBACK:

LINE_ECHO_CANCEL_ON_FB	D	Real feedback indicating line echo cancellation is turned on
LINE_ECHO_CANCEL_OFF_FB	D	Real feedback indicating line echo cancellation is turned off
NOISE_SUPPRESSION_ON_FB	D	Real feedback indicating noise suppression is on
NOISE_SUPPRESSION_OFF_FB	D	Real feedback indicating noise suppression is off
AUTO_GAIN_CONTROL_ON_FB	D	Real feedback indicating automatic gain ON_FB control is turned on
AUTO_GAIN_CONTROL_OFF_FB	D	Real feedback indicating automatic gain control is turned off
REMOTE_CONNECT_FB	D	Real feedback indicating remote end is connected
REMOTE_DISCONNECT_FB	D	Real feedback indicating remote end is disconnected
LOCK_FRONT_PANEL_ON_FB	D	Real feedback indicating front panel is disabled
LOCK_FRONT_PANEL_OFF_FB	D	Real feedback indicating front panel is enabled
NOISE_SUPPRESSION_6DB_FB	D	Real feedback indicating NS level is 6db
NOISE_SUPPRESSION_10DB_FB	D	Real feedback indicating NS level is 10db
POLL_END	D	Digital signal to be looped to the next ASPI module to continue status update request chain
ASPI_TX\$	S	Serial data string to be routed to the TX\$ of a com port

PARAMETER DESCRIPTIONS:

UNIT-ID-HIGH	P	Hex version of EF200's upper nibble of the unit ID. For ID 00, use 30. For ID 10, use 31.
UNIT-ID-LOW	P	Hex version of EF200's lower nibble of the unit ID. For ID 00, use 30. For ID 01, use 31.

OPS USED FOR TESTING: 5.10.11
COMPILER USED FOR TESTING: SimplWindows Version 1.40.07
SAMPLE PROGRAM: EF200 TEST REV1.SMW
REVISION HISTORY: EF200 SETUP FUNCTIONS REV3 - Original