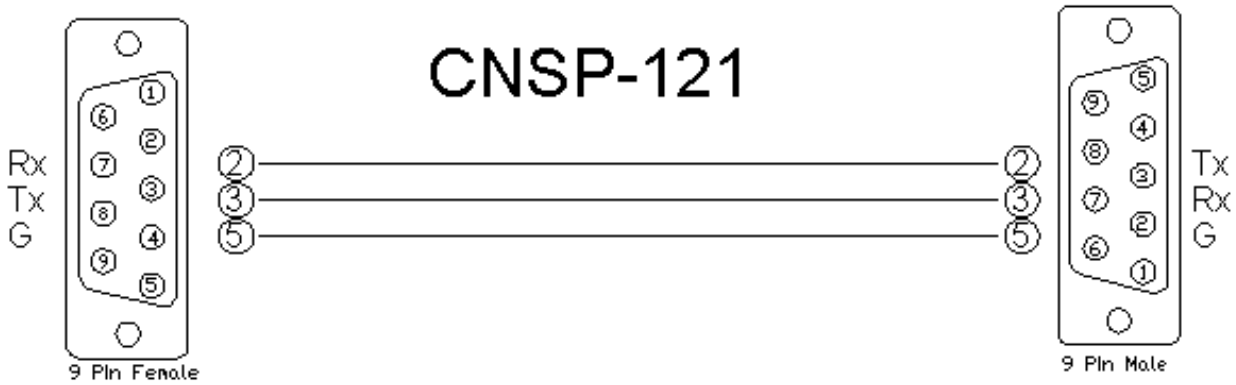
Partner: McIntosh
Model: MX120
Device Type: Receiver/Processor

GENERAL INFORMATION

SIMPLWINDOWS NAME:	McIntosh MX120
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	Controls all standard functions and provides real-time feedback on a McIntosh MX120.
GENERAL NOTES:	This macro will provide control and feedback for a McIntosh MX120 A/V Control Center. All standard functions can be controlled, and real-time feedback is provided for most functions. This macro has an RS232-ON input. This input should be pulsed on start-up of the system to enable proper 2-way RS232 communications with the McIntosh unit. All controls available for 2 separate zones are included.
CRESTRON HARDWARE REQUIRED:	CNXCOM, ST-COM, C2I-COM6, C2COM-2/3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	1.07q
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-121



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CONTROL:

RS232_On/Off	D	Pulse to activate RS232 mode on/off. Should be set to on before sending any other commands.
System_Off	D	Pulse to turn off both zones 1 and 2
Power_On/Off_Zone_*	D	Pulse to turn the desired zone on and off.
Zone	D	Pulse to select the input for the desired zone.
Volume_Up/Down_Zone_*	D	Press and hold to adjust the volume for the desired zone.
Mute_On/Off/Toggle_Zone_*	D	Pulse to turn the volume mute on and off for the desired zone.
Volume_Bar_Zone_*_In	A	Allows a slider on a touch panel to be used to control the volume level for the desired zone.
Mode_*_Zone_*	D	Pulse to select the current surround mode for the desired zone.
Trim_*_Up/Down_Zone_1	D	Press and hold to adjust the surround speaker outputs, bass and treble for zone 1.
Poll_System	D	Pulse to request the status of the entire McIntosh system. Should only need to be done upon startup of the system.
From_Device$	S	Serial signal to be routed from a 2-way RS232 port.

PARAMETERS:

Volume Repeat Time	P	Indicates how often volume commands will be sent to the McIntosh while the volume is being adjusted. The minimum time should be 0.2s. Unit will *not* work correctly with a time less than 0.2s.

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FEEDBACK:

PowerOn/Off_Zone_*_Fb	D	High to indicate the current power state for each zone.
***_Zone_*_Fb**	D	High to indicate the currently selected input for each zone.
Mute_On/Off_Zone_* _Fb	D	High to indicate the current volume mute state for each zone.
Volume_Display_Zone_*$	S	Serial string data signal indicating the current volume level for each zone.
Volume_Bar_Zone_*	A	Analog signal indicating the volume level in each zone. To be displayed using a bar graph on a touch panel.
Mode_*_Zone_*_Fb	D	High to indicate the currently selected surround mode for each zone.
***_Level_Display_Zone_1$**	S	Serial string data signals indicating the current trim levels.
To_Device$	S	Serial signal to be routed to a 2 way RS232 port.

TESTING:

OPS USED FOR TESTING:	3.155.1240
SIMPL WINDOWS USED FOR TESTING:	2.08.44
CRES DB USED FOR TESTING:	18.9.1
SYMBOL LIBRARY USED FOR TESTING:	508
SAMPLE PROGRAM:	McIntosh MX120 Demo
REVISION HISTORY:	V. 1.0

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