Partner: McIntosh
Model: MS-300 + MS-750
Device Type: Music Server

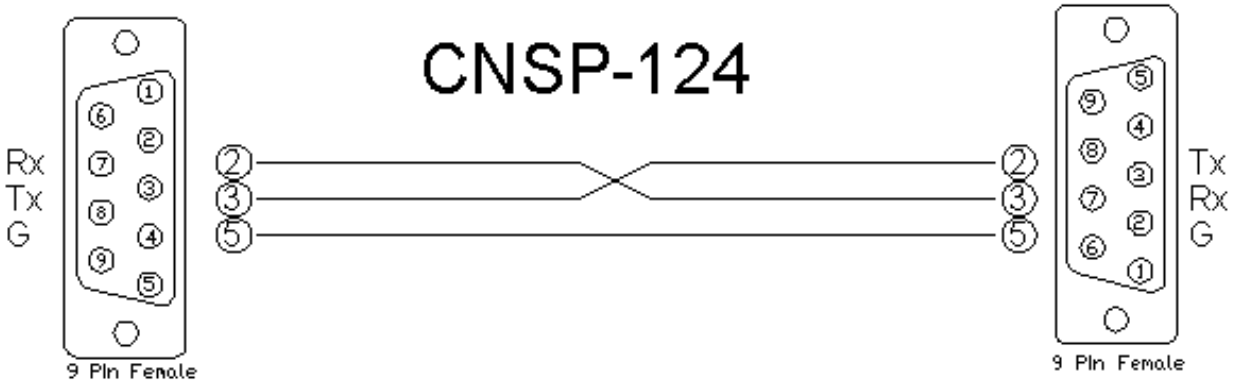
GENERAL INFORMATION

SIMPLWINDOWS NAME:	McIntosh Music Server Main Module v1.0.0
CATEGORY:	Transport Decks
VERSION:	1.0.0
SUMMARY:	Controls all standard functions on a McIntosh MS-300 or MS-750 system.
GENERAL NOTES:	When the McIntosh MS-300 or MS-750 is cold booted, it will be necessary to use the setup – utilities – restart system command from the IR remote control to get the unit into a known connection synchronized state. Any time the McIntosh MS-300 or MS-750 system changes power states it sends out an ESCX0201 message to state the current power state, so at power up you would need to query the system for this info. We usually don't recommend using the power on/off to our dealers as it can cause problems with the changer detection process. If the music server is off, it will turn on whenever it receives any RS232 or TCP/IP external control commands so there really isn't much need in dealing with the power state. Note: The volume page in the demo program for this module is for use as a pass through of Remote IR Volume and mute and does *not* directly control volume of MS-300 or MS-750 system.
CRESTRON HARDWARE REQUIRED:	ST-COM, C2I-COM6, C2COM-2/3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	2.0.2.0
VENDOR SETUP:	MS-300 + MS-750 SETUP: You can use any of the four available com ports. Whichever port is being used should be set up as follows: Go to the Setup Menu -> audio, video, and com ports -> com port external control: Com 1, 2, 3, or 4 touch panel: enable for X-Y (if using Video grid control)
CABLE DIAGRAM:	CNSP-124

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

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: McIntosh
Model: MS-300 + MS-750
Device Type: Music Server



CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the unit on or off.
Music_Source	D	Pulse to put unit into music source mode.
iRadio_Source	D	Pulse to put unit into Internet radio source mode.
Play/Stop/Pause	D	Pulse to change the transport mode. True feedback.
Track_Previous/Next	D	Pulse to go to the next or previous track.
Record	D	Pulse to activate record mode.
Disc_Previous/Next	D	Pulse to activate disc previous/next.
Error_Continue	D	Pulse to activate error continue state.
Search$	S	Used to specify a search string to be used for album searching.
Search_Enter	D	Pulse to perform a search for the album specified n the Search$ input.
Select_*_Genre_*	D	Pulse to select a genre for browsing.
First/Prev/Next/Last_Music Genre	D	Pulse to scroll between pages of genres.
Select_Music/Radio_Title_First/Prev/Next/Last	D	Pulse to scroll between pages of albums or radio titles.
Select_Music_Title_Select_1-8	D	Pulse to select an album.
First/Prev/Next/Last_Music_Track	D	Pulse to scroll between pages of tracks.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Partner: McIntosh
Model: MS-300 + MS-750
Device Type: Music Server

Select_Music_Track_Select_1-8	D	Pulse to select a track to be played
Select_PlayMode_Normal	D	Pulse to select play mode normal.
Select_PlayMode_Repeat_Track	D	Pulse to select play mode repeat track.
Select_PlayMode_Repeat_Title	D	Pulse to select play mode repeat title.
Select_PlayMode_Random_Title	D	Pulse to select play mode random title.
Select_PlayMode_Repeat_Group	D	Pulse to select play mode repeat group.
First/Prev/Next/Last_Radio_Genre	D	Pulse to select first/next/last radio genre.
Select_Radio_Genre_*	D	Pulse to select radio genre.
First/Prev/Next/Last_Radio_Title	D	Pulse to select first/next/last radio title.
Select_Radio_Title_*	D	Pulse to select radio title.
Music_View_All	D	Pulse to view all music on server.
Radio_View_All	D	Pulse to view all internet radio links on server.
Radio_View_By_Genre	D	Pulse to view all internet radio links by genre on server.
Guide_View_*	D	Pulse to change the guide view in the on-screen menus.
Menu_*	D	Emulates remote/keyboard functions as if from IR remote.
Elapsed_Time_Status	D	Hold high to display elapsed time strings to panel.
Poll_Power_Status_Query	D	Pulse to poll for power on the MS-300 or MS-750. Normally used as a poll setting, hit once when visiting a music page or radio page.
From_Device$	S	Serial signal to be routed from a 2-way RS232 port.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

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: McIntosh
Model: MS-300 + MS-750
Device Type: Music Server

FEEDBACK:

Power_On/Off_Fb	D	True feedback indicating the power state. Please see General Notes above.
Play/Stop/Pause_Fb	D	True feedback indicating the transport state.
Error_Sub_On	D	Indicates error condition.
Search_Found	D	Pulses if a search match is found.
Search_Failed	D	Pulses if a search match is not found.
Current_Music_Artist$	S	Indicates the artist of the currently playing selection.
Current_Music_Title$	S	Indicates the title of the currently playing selection.
Current_Music_Track$	S	Indicates the track of the currently playing selection.
Current_Play_Time$	S	Indicates the elapsed time of the currently playing selection.
Music_Genre-*$	S	Indicates the genre.
Music_Title_Info$	S	Indicates music title currently playing selection.
Music_Title_*$	S	Indicates music title search information.
Music_Track_Info$	S	Indicates music track currently playing selection.
Music_Track_*$	S	Indicates music track search information.
Current_Music_Play_Mode$	S	Indicates music play mode.
Current_Radio_Station$	S	Indicates radio station information.
Current_Radio_Artist$	S	Indicates radio artist information.
Current_Radio_Song$	S	Indicates radio song information.
Radio_Stream_Status$	S	Indicates radio stream status information.
Radio_Genre-*$	S	Indicates radio stream genre search information.
Radio_Title_Info$	S	Indicates radio stream title information.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Partner: McIntosh
Model: MS-300 + MS-750
Device Type: Music Server

Radio_Title-*$	S	Indicates radio stream title information.
Music_View_All_Fb	D	Indicates view selected for browsing.
Music_View_By_Genre_Fb	D	Indicates view selected for browsing.
Radio_View_All_Fb	D	Indicates view selected for browsing.
Radio_View_By_Genre_Fb	D	Indicates view selected for browsing.
To_Device$	S	Serial signal to be routed to a 2 way RS232 port.

TESTING:

OPS USED FOR TESTING:	PRO2 Cntrl Eng {v3.137 (Release)}
SIMPL WINDOWS USED FOR TESTING:	V. 2.08.44
CRES DB USED FOR TESTING:	V. 18.9.1
SYMBOL LIBRARY USED FOR TESTING:	V.508
SAMPLE PROGRAM:	McIntosh Music Server Demo v1.0.0
REVISION HISTORY:	V. 1.0

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400