

SIMPLWINDOWS NAME: Kenwood Sovereign DV-5900M Changer

CATEGORY: Transport Decks

VERSION: 1.0

SUMMARY: This module controls the Kenwood DV-5900M 400+3 DVD changer. It also provides real feedback

GENERAL NOTES: This module will control the basic transport functions on the Kenwood DV-5900M DVD changer. It provides real feedback.

NOTE: The initialize input needs to be pulsed once when the DVD changer is turned on before any other command is sent to the changer. As long as the DVD changer is left on this will not need to be pulsed again, but it can be pulsed each time the dvd control page is shown.

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

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 2

VENDOR FIRMWARE: None

VENDOR SETUP: None

CABLE NUMBER: CNSP-590

CONTROL:

INITIALIZE	D	Pulse to start communications with the device. This needs to be pulsed once when the DVD changer is turned on before any other communication is sent to the changer. As long as the DVD changer is left on this will not need to be pulsed again but it can be pulsed each time the dvd control page is shown.
PLAY	D	Pulse to play the currently selected disc.
PAUSE	D	Pulse to pause the currently playing disc.
STOP	D	Pulse once to put the device into play/pause/search mode. This basically will resume playing from the current spot if play is pressed. Pressing STOP again will put the player into full stop mode.
SEARCH_FWD	D	Press once to go into slow fast forward mode. Pressing a second time will go into a faster fast forward mode.
SEARCH_REV	D	Press once to go into slow fast reverse mode. Pressing a second time will go into a faster fast reverse mode.
STEP_FWD	D	Press to advance one track or chapter.
STEP_REV	D	Press to go back one track or chapter.
PLAY_PLUS_*	D	Press to play the appropriate plus disc.
RANDOM	D	Press to activate random play.
KEY*	D	Keypad used to select which disc to be played
SELECT_DISC_ENTER	D	Press to go to the previously entered disc number and start playing

FROM_DEVICE\$ S Serial signal to be routed from a 2 way serial com port.

FEEDBACK:

PLAY_FB	D	Feedback indicating the device is in play mode.
PAUSE_FB	D	Feedback indicating the device is in pause mode.
STOP_FB	D	Feedback indicating the device is in stop mode.
PLAY_PAUSE_SEARCH_FB	D	Feedback indicating the device is in play/pause/search mode. This will be high when changer is reading a disc before it starts playing or when the disc is in the part of the disc that will not accept commands or when you press stop once during play back.
SEARCH_FWD_FB	D	Feedback indicating the device is in search forward mode.
SEARCH_REV_FB	D	Feedback indicating the device is in search reverse mode.
DISC_NUMBER	A	Indicates what disc number has been selected using the key_* inputs
TO_DEVICE\$	S	Serial signal to be routed to a serial com port.

OPS USED FOR TESTING: 5.12.26x
COMPILER USED FOR TESTING: SimplWindows Version 1.61.12
SAMPLE PROGRAM: Kenwood DV-5900M DVD Changer Demo
REVISION HISTORY: None