

SIMPLWINDOWS NAME: Kenwood CD-425M CD Changer

CATEGORY: Transport Decks

VERSION: 1.0

SUMMARY: This module controls the Kenwood CD-425M 200 Disc CD changer. It also provides real feedback.

GENERAL NOTES: This module will control the basic transport functions on the Kenwood CD-425M CD changer. It provides real feedback.

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

NOTE: The disc play should be in standby when the Crestron system is connected or reboots. The disc changer will not recognize the controller if it is powered on before the control system is booted up.

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 CD changer is turned on before any other communication is sent to the changer. As long as the CD changer is left on this will not need to be pulsed again but it can be pulsed each time the cd 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 to stop the disc from playing.
SEARCH_FWD	D	Press and hold to fast forward through the track. The unit will continue to search for 1.0 seconds after the release of the button.
SEARCH_REV	D	Press and hold to fast reverse through the track. The unit will continue to search for 1.0 seconds after the release of the button.
STEP_FWD	D	Press to advance one track .
STEP_REV	D	Press to go back one track .
REPEAT	D	Press to repeat disc.
RANDOM	D	Press to activate random play.
KPD*	D	Press to enter the disc number.
SELECT_DISC_ENTER	D	Press to go to the selected disc number

and start it 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

Feedback indicating the disc number being entered.

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 1.61.13

SAMPLE PROGRAM:

Kenwood CD-425M CD Changer Demo

REVISION HISTORY:

None