CRESTRON

Partner: Denon
Model: HEOS Wireless Speakers
Device Type: Generic A/V Source

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Denon HEOS User Interface v6.0.0.cmc
CATEGORY:	Streaming Media
VERSION:	6.0
SUMMARY:	This module will control HEOS players from Denon from a Crestron controller. This is the main point of control from each UI.
GENERAL NOTES:	This module will provide access to selecting Players, Music Sources, and general controls such as Play, Stop, Thumbs Up, Thumbs Down.
CRESTRON HARDWARE REQUIRED:	3-Series Processor and touchscreen
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	1.349.101
VENDOR SETUP:	HEOS players must be connected to the same network as Crestron equipment.
CABLE DIAGRAM:	N/A

CONTROL:

HEOS_UI_Play	D	Pulse to trigger Play.
HEOS_UI_Stop	D	Pulse to trigger Stop.
HEOS_UI_Pause	D	Pulse to trigger Pause.
HEOS_UI_PreviousTrack	D	Pulse to trigger Previous Track.
HEOS_UI_NextTrack	D	Pulse to trigger Next Track.
HEOS_UI_Repeat	D	Pulse to trigger Repeat mode.
HEOS_UI_Shuffle	D	Pulse to trigger Shuffle mode.
HEOS_UI_ThumbsUp	D	Pulse to trigger Thumbs Up.
HEOS_UI_ThumbsDown	D	Pulse to trigger Thumbs Down.

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HEOS_UI_VolumeUp	D	Pulse to pulse Volume Up by an increment of 2 percent.
HEOS_UI_VolumeDown	D	Pulse to pulse Volume Down by an increment of 2 percent.
HEOS_UI_MenuBack	D	Pulse to go back in the browse hierarchy. Note: When the top level of a source is reached, this will not result in an action.
HEOS_UI_MenuPrev	D	Pulse to navigate more entries in the current list, if any.
HEOS_UI_MenuNext	D	Pulse to navigate more entries in the current list, if any.
HEOS_UI_SelectBrowseItem[1] - **HEOS_UI_SelectBrowseItem[100]**	D	Selects the browse list item.
HEOS_UI_Select_Device[1] - **HEOS_UI_Select_Device[20]**	D	Selects a player from the PlayerNames[x] list. [Future]
HEOS_UI_SelectMusicSource[1] - **HEOS_UI_SelectMusicSource[20]**	D	Selects a music source from the SourceNames[x] list.
HEOS_UI_SelectGroup[1] - **HEOS_UI_SelectGroup[20]**	D	Selects a group from the GroupNames[x] list. [Future]
HEOS_UI_SelectPlayerOrGroup[1] - **HEOS_UI_SelectPlayerOrGroup[100]**	D	Selects a player or group from a combined list, PlayerAndGroupNames[x] list.

FEEDBACK:

HEOS_UI_Busy	D	Indicates HEOS UI is configuring and initializing.
HEOS_UI_MenuBusy	D	Indicates the browse list is currently busy processing the request.
HEOS_UI_Connection_Status	D	Reports currently controlled player connection status. [Future]
HEOS_UI_PlayAvailable	D	Indicates the play action is available on the current media.
HEOS_UI_StopAvailable	D	Indicates the stop action is available on the current media.
HEOS_UI_PreviousTrackAvailable	D	Indicates the previous track action is available on the current media.
HEOS_UI_NextTrackAvailable	D	Indicates the next track action is available on the current media.
HEOS_UI_ThumbsUpAvailable	D	Indicates the thumbs up action is available on the current media.
HEOS_UI_ThumbsDownAvailable	D	Indicates the thumbs down action is available on the current media.
NowPlayingInfo[1] - **NowPlayingInfo[5]**	S	Displays currently playing media data.

HEOS_UI_VolumeLevelPercentageScaled	A	Indicates current volume level.
HEOS_UI_NumOfPlayers	A	Indicates number of players discovered.
HEOS_UI_NumOfSources	A	Indicates number of music sources discovered.
HEOS_UI_NumOfGroups	A	Indicates number of groups discovered.
HEOS_UI_NumOfPlayersAndGroups	A	Indicates number of players and groups discovered.
HEOS_UI_TrackProgress	A	Current location in track, when available.
HEOS_UI_TrackDuration	A	Total length of track, when available.
HEOS_UI_VolumeLevel	S	Indicates current volume level as text.
HEOS_UI_TrackProgressText	S	Current location in track as text, when available.
HEOS_UI_TrackDurationText	S	Total length of track as text, when available.
HEOS_UI_PlayerName	S	Currently controlled player/group name.
HEOS_UI_PlayerID	S	Currently controlled player/group ID.
HEOS_UI_PlayerGroup	S	Current group name, if player is part of group.
HEOS_UI_PlayerModel	S	Currently controlled player model.
HEOS_UI_PlayerVersion	S	Currently controlled player version.
HEOS_UI_Song	S	Currently controlled player song.
HEOS_UI_Station	S	Currently controlled player station.
HEOS_UI_Artist	S	Currently controlled player station.
HEOS_UI_Album	S	Currently controlled player album.
HEOS_UI_AlbumArtURL	S	Currently controlled player album artwork.
HEOS_UI_Music_Source_Selected	D	Indicates a Music Source was selected.
HEOS_UI_MenuBackAvailable	D	Indicates Menu Back is available for current browse list.
HEOS_UI_PreviousAvailable	D	Indicates Previous is available for current browse list.

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HEOS_UI_NextAvailable	D	Indicates Next is available for current browse list.
HEOS_UI_BrowseListTitle	S	Browse menu title.
HEOS_UI_BrowseListSubTitle	S	Browse menu subtitle.
HEOS_UI_numOfBrowseItems	S	Current number of items in browse list.
HEOS_UI_BrowseListL1Item[1] - HEOS_UI_BrowseListL1[100]	S	Browse list items labels for L1.
HEOS_UI_BrowseListL2Item[1] - HEOS_UI_BrowseListL2[100]	S	Browse list items labels for L2.
HEOS_UI_BrowseListURLItem[1] - HEOS_UI_BrowseListURL[100]	S	Browse list items labels for item icon/image.
HEOS_UI_PlayerNames[1] - HEOS_UI_PlayerNames[100]	S	Players list items labels.
HEOS_UI_SourceNames[1] - HEOS_UI_SourceNames[100]	S	Source list items labels.
HEOS_UI_GroupNames[1] - HEOS_UI_GroupNames[100]	S	Group list items labels. [Future]
HEOS_UI_PlayerAndGroupNames[1] - HEOS_UI_PlayerAndGroupNames[100]	S	Player and Groups list labels.

TESTING:

OPS USED FOR TESTING:	3-Series: v1.501.0013
SIMPL WINDOWS USED FOR TESTING:	V4.03.24.00
DEVICE DB USED FOR TESTING:	V75.05.002.00
CRES DB USED FOR TESTING:	V57.00.003.00
REVISION HISTORY:	V6.0 – Rework release