CRESTRON

Certified Module

Partner: Legrand NuVo
Model: NuVo Players
Device Type: Tuner

CRESTRON CERTIFIED INTEGRATED PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	NuVo Zone v1.0
CATEGORY:	Tuners
VERSION:	1.0
SUMMARY:	This module integrates NuVo player zones via TCP/IP.
GENERAL NOTES:	This module provides full featured interaction with a NuVo player zone. It is intended to be a drop-in audio solution. NuVo zones are provided by several unique hardware models including but not limited to: • P3100 (provides 3 zones) • P300 (provides 1 zone) One module provides control of a single zone and feedback for a touch screen interface. To control 3 players (such as a P3100), you will need to add 3 modules. Each player has a unique IP address. Ensure the CONNECT line is driven HIGH at system startup to initialize the module. The module is self-contained. It will connect automatically and maintain the connection internally. The provided GUI is also self-contained within a single page and subpage and is intended to be easily added to existing projects.
CRESTRON HARDWARE REQUIRED:	3 series processor.
SETUP OF CRESTRON HARDWARE:	Enter IP address of NuVo zone in the parameter field on the module.
VENDOR FIRMWARE:	2.0
VENDOR SETUP:	N/A
CABLE DIAGRAM:	N/A

CONTROL:

CONNECT	D	Raise HIGH at system startup to initialize module.
LIST_START	D	Pulse to send list navigator to home menu.
LIST_PAGE_BACK	D	Pulse to navigate back on the list.
LIST_PLAYLIST	D	Pulse to send the list navigator to the playlist.
LIST_SETTINGS	D	Pulse to send the list navigator to the settings menu.

LIST_GROUP	D	Pulse to send the list navigator to the grouping/share menu.
TRANSPORT_PREVIOUS	D	Pulse to move to previous track.
TRANSPORT_PLAY	D	Pulse to play track.
TRANSPORT_PAUSE	D	Pulse to pause track.
TRANSPORT_NEXT	D	Pulse to move to next track.
TRANSPORT_LIKE	D	Pulse to 'Thumbs Up' track.
TRANSPORT_DISLIKE	D	Pulse to 'Thumbs Down' track.
TRANSPORT_SHUFFLE	D	Pulse to toggle shuffle mode.
TRANSPORT_REPEAT	D	Pulse to toggle repeat mode.
TOGGLE_MUTE	D	Pulse to toggle mute.
SETTINGS_SUBMIT	D	Pulse to submit the settings subpage.
SETTINGS_CANCEL	D	Pulse to cancel the settings subpage.
VOLUME_INCREMENT	D	Increment volume (2 intervals), hold to ramp.
VOLUME_DECREMENT	D	Decrement volume (2 intervals), hold to ramp.
SET_VOLUME_VISIBILITY	D	Set visibility of volume controls.
LIST_ITEM_SELECT[x]	D	Pulse to select the list item.
GROUP_ITEM_SELECT[x]	D	Pulse to select the item on group menu.
VOLUME_CONTROL	A	(Value range 0-100) Analog value sets zone volume level.
SETTINGS_USER$	S	Serial text for the User field on the settings subpage.
SETTINGS_PASSWORD$	S	Serial text for the Password field on the settings subpage.

FEEDBACK:

CONNECTED	D	Connection status.
NOWP_PREV	D	Visibility indicator for previous button for Now Playing media.

NOWP_PLAY	D	Visibility indicator for play button for Now Playing media.
NOWP_PAUSE	D	Visibility indicator for pause button for Now Playing media.
NOWP_NEXT	D	Visibility indicator for next button for Now Playing media.
NOWP_LIKE	D	Visibility indicator for like button for Now Playing media.
NOWP_DISLIKE	D	Visibility indicator for dislike button for Now Playing media.
NOWP_LIKE_SELECTED	D	Visibility indicator for like (highlight) button for Now Playing media.
NOWP_DISLIKE_SELECTED	D	Visibility indicator for dislike (highlight) button for Now Playing media.
LIST_LOADING	D	Visibility indicator for loading spinner.
LIST_VISIBLE	D	Visibility indicator for list navigator.
GROUP_VISIBLE	D	Visibility indicator for group navigator.
SETTINGS_VISIBLE	D	Visibility indicator for settings subpage.
BACK_ VISIBLE	D	Visibility indicator for navigation back button.
VOLUME_VISIBLE	D	Visibility indicator for volume controls.
NOWP_SHUFFLE	D	Visibility indicator for shuffle control.
NOWP_SHUFFLE_SELECTED	D	Visibility indicator for shuffle on.
NOWP_REPEAT	D	Visibility indicator for repeat control.
NOWP_REPEAT_SELECTED	D	Visibility indicator for repeat on.
VOLUME_LEVEL	A	(Value range 0-100) Analog value for zone's volume level.
LIST_ITEMS	A	(Value range 0-255) Analog value for number of list navigator items.
GROUP_ITEMS	A	(Value range 0-10) Analog value for number of group navigator items.
MUTE_STATE	A	(Value range 0-1) Analog value for mute indicator mode switch.
LIST_TITLE$	S	Serial text for list navigator heading.
ZONE_TITLE$	S	Serial text for zone name.
NOWP_TITLE$	S	Serial text for Now Playing title.

NOWP_SUBTITLE$	S	Serial text for Now Playing subtitle.
NOWP_DESC$	S	Serial text for Now Playing description.
NOWP_COVER$	S	Serial text for Now Playing cover art.
NOWP_SONG_INDEX$	S	Serial text for Now Playing song index.
NOWP_NEXT$	S	Serial text for Now Playing next track.
SETTINGS_TITLE$	S	Serial text for settings subpage header.
SETTINGS_USER_INITIAL$	S	Serial text for User field initial load value.
SETTINGS_PASS_INITIAL$	S	Serial text for Password field initial load value.
GROUP_ITEM_TEXT[x]	S	Serial text for group navigator item title.
GROUP_ITEM_ICON[x]	S	Serial text for group navigator item icon.
LIST_ITEM_TITLE[x]	S	Serial text for list navigator item title.

PARAMETER:

IP_ADDRESS	S	IP address of zone.

TESTING:

OPS USED FOR TESTING:	RMC3 1.010.0060
SIMPL WINDOWS USED FOR TESTING:	4.02.65
DEVICE DB USED FOR TESTING:	65.05.003.00
CRES DB USED FOR TESTING:	51.05.007.00
SYMBOL LIBRARY USED FOR TESTING:	944
SAMPLE PROGRAM:	NuVo Zone Demo
REVISION HISTORY:	v1.0 – Original Release