

L3X02
Device Driver
NetLinx API

1. XDD Information

Device Details

Device Type: Video Projector

Model(s): L3X02

Device Revision: 1.0.0

Built with Driver Design Version: 1.2.11

ACCESSORY PRODUCTS (mounting brackets, cables)

SERIAL PORT SPECS (pinout)

CONTROL USAGE

HAND CONTROL MODEL NUMBER

2. Channel Information

The following are NetLinx Channels supported by this Device Driver. " * " denotes channels provided by Duet2 base and not protocol provided in this Device Driver.

Channel	Port	Description
9*	1	Function: Power State Momentary Function: Cycle power when channel is activated NetLinx Constant: POWER
24	1	Function: Volume Description: Ramping Function: Volume is ramped up while channel is active NetLinx Constant: VOL_UP ON: Increment Volume by 1. OFF:
25	1	Function: Volume Description: Ramping Function: Volume is ramped down while channel is active NetLinx Constant: VOL_DN ON: Decrement Volume by 1. OFF:
26*	1	Function: Mute Momentary Function: Cycle volume mute when channel is activated NetLinx Constant: VOL_MUTE
27	1	Function: Power State Description: Momentary Function: Power is turned on when channel is activated NetLinx Constant: PWR_ON
28	1	Function: Power State Description: Momentary Function: Power is turned off when channel is activated NetLinx Constant: PWR_OFF
148*	1	Function: Brightness Description: Momentary Function: Brightness is incremented when channel is activated NetLinx Constant: BRIGHT_UP
149*	1	Function: Brightness Description: Momentary Function: Brightness is decremented when channel is activated NetLinx Constant: BRIGHT_DN
152*	1	Function: Contrast Description: Momentary Function: Contrast is incremented when channel is activated NetLinx Constant: CONTRAST_UP
153*	1	Function: Contrast Description: Momentary Function: Contrast is decremented when channel is activated NetLinx Constant: CONTRAST_DN
154*	1	Function: Sharpness Description: Momentary Function: Sharpness is incremented when channel is activated NetLinx Constant: SHARP_UP
155*	1	Function: Sharpness Description: Momentary Function: Sharpness is decremented when channel is activated NetLinx Constant: SHARP_DN
196*	1	Function: Input Source Momentary Function: Cycle input source when channel is activated Cycle Order: VGA-1, VGA-2, HDMI-1, HDMI-2, VIDEO, MULTIMEDIA NetLinx Constant: SOURCE_CYCLE

199	1	Function: Mute Description: Discrete Function: Volume mute is on while channel is active NetLinx Constant: VOL_MUTE_ON ON: ON OFF: OFF
210*	1	Function: Picture Mute Momentary Function: Cycle picture mute when channel is activated NetLinx Constant: PIC_MUTE
211	1	Function: Picture Mute Description: Discrete Function: Picture Mute is on while channel is active NetLinx Constant: PIC_MUTE_ON ON: ON OFF: OFF
213*	1	Function: Freeze Momentary Function: Cycle freeze when channel is activated NetLinx Constant: PIC_FREEZE
214	1	Function: Freeze Description: Discrete Function: Freeze is on while channel is active NetLinx Constant: PIC_FREEZE_ON ON: ON OFF: OFF
251*	1	Function: Power State Description: Communication is established with device while channel is on NetLinx Constant: MODULE_DEVICEONLINE ON: Communication online. OFF: Communication offline.
252*	1	Function: Power State Description: Module data is synchronized with device while channel is on NetLinx Constant: MODULE_DATA_INITIALIZED ON: Data initialized. OFF: Data not initialized.
253*	1	Function: Power State Description: Feedback: Indicates Power is starting up and cannot accept commands NetLinx Constant: POWER_STARTUP_FB ON: Device warming. OFF: Device done warming.
254*	1	Function: Power State Description: Feedback: Indicates Power is shutting down and cannot accept commands NetLinx Constant: POWER_SHUTDOWN_FB ON: Device cooling. OFF: Device done cooling.
255*	1	Function: Power State Description: Discrete Function: Power is on while channel is active NetLinx Constant: POWER_ON ON: Device ON. OFF: Device OFF.

3. Level Information

The following are NetLinx Levels supported by this Device Driver. All levels support the NetLinx range [0-255].

Level	Port	Description
1	1	Function: Volume Description: Set volume level NetLinx Constant: VOL_LVL Minimum: 0 Maximum: 255
10	1	Function: Brightness Description: Set brightness level NetLinx Constant: BRIGHT_LVL Minimum: 0 Maximum: 255
12	1	Function: Contrast Description: Set contrast level NetLinx Constant: CONTRAST_LVL Minimum: 0 Maximum: 255
13	1	Function: Sharpness Description: Set sharpness level NetLinx Constant: SHARP_LVL Minimum: 0 Maximum: 255

4. Command Information

The following are NetLinx Commands supported by this Device Driver.

Functional Group	Port	SNAPI2 Command
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Custom	1	?CUSTOMLIST
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		<p>Description: ?CUSTOMLIST - Query for the list of supported custom commands. Responds with: CUSTOMLIST-<command>[,<command>] Where: <command> is one of a comma separated list of the custom commands support by the module. Only valid for Driver Design Modules The Custom Commands supported by this XDD are as follows: Custom.OSDSetting.LanguageDutch Custom.KeyBlank.SetBlankOff Custom.OSDScreen.ZoomInc Custom.OSDSetting.LanguageNorwegian Custom.OSDSetting.LanguageSwedish Custom.OSDVolume.MicrophoneVolume0 Custom.OSDSetting.MenuLocTopRight Custom.OSDVolume.MicrophoneVolume20 Custom.OSDVolume.MicrophoneVolume25 Custom.OSDSetting.LanguageKorean Custom.OSDScreen.AspectRatio169 Custom.OSDScreen.OrientationRearCeiling Custom.OSDSetting.MenuLocCenter Custom.OSDSetting.LanguageTurkish Custom.KeyEmulate.KeystoneDec Custom.OSDScreen.OrientationFrontCeiling Custom.OSDSetting.LanguageSimChinese Custom.KeyEmulate.VolumeInc Custom.OSDSetting.LanguageFrench Custom.OSDPicture.ColorModePC Custom.OSDSetting.LanguageEnglish Custom.OSDPicture.ColorModeUser Custom.OSDPicture.ReadColorMode Custom.OSDVolume.MicrophoneVolume30 Custom.OSDScreen.OrientationRear Custom.OSDScreen.ReadAspectRatio Custom.OSDOptions.AutoPowerOff40 Custom.KeyEmulate.Menu Custom.KeyEmulate.VolumeDec Custom.OSDSetting.LanguageDanish Custom.OSDScreen.AspectRatioAuto Custom.OSDOptions.AutoPowerOff100 Custom.OSDSetting.ResetToDefault Custom.OSDSetting.LanguageRussian Custom.KeyEmulate.UpArrow Custom.OSDSetting.LanguageTraChinese Custom.OSDSetting.LanguageJapanese Custom.OSDSetting.LanguagePolish Custom.OSDOptions.AutoPowerOff80 Custom.OSDScreen.ZoomDec Custom.KeyEmulate.Source Custom.OSDOptions.HighAttitudeOff Custom.KeyEmulate.LeftArrow Custom.OSDSetting.LanguageGer Custom.OSDOptions.AutoPowerOff0 Custom.OSDScreen.AspectRatioUltraWide Custom.OSDSetting.LanguagePortuguese Custom.OSDScreen.AspectRatio1610 Custom.OSDSetting.LanguageItalian Custom.OSDSetting.MenuLocBotRight Custom.OSDPicture.ColorModeMovie Custom.OSDPicture.ColorModeBright Custom.KeyResync.SetResync Custom.OSDVolume.MicrophoneVolume10 Custom.OSDOptions.HighAttitudeOn Custom.OSDScreen.OrientationFront Custom.OSDSetting.LanguageArabic Custom.OSDOptions.Information Custom.OSDVolume.MicrophoneVolume15 Custom.OSDSetting.MenuLocTopLeft Custom.OSDPicture.ColorModeGame Custom.KeyEmulate.DownArrow Custom.OSDSetting.MenuLocBotLeft Custom.OSDOptions.AutoPowerOff20 Custom.KeyEmulate.KeystoneInc Custom.OSDOptions.AutoPowerOff120 Custom.KeyBlank.SetBlankOn Custom.OSDSetting.LanguageSpanish Custom.OSDVolume.MicrophoneVolume5 Custom.OSDOptions.AutoPowerOff60 Custom.KeyEmulate.RightArrow Custom.OSDScreen.AspectRatio43</p>
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Firmware Version	1	?FWVERSION Description: ?FWVERSION - Query for the device firmware version, Responds with: FWVERSION-<version>
Power State	1	?COOLDOWN Description: ?COOLDOWN - Query for shut down time. Responds with: COOLDOWN-<time> Where: <time> is in seconds
Power State	1	?WARMUP Description: ?WARMUP - Query for start up time. Responds with: WARMUP-<time> Where: <time> is in seconds
Power State	1	COOLDOWN Description: COOLDOWN-<seconds> - Set shut down time. Where: <time> is in seconds
Power State	1	COOLING Description: COOLING-<time> - Cooling down counter time. Where: <time> is seconds remaining
Power State	1	COUNTERNOTIFY Description: COUNTERNOTIFY-<state> - Turn power counter notification on or off. Where: <state> is 1 or 0
Power State	1	WARMING Description: WARMING-<time> Warming up counter time, <time> is seconds remaining
Power State	1	WARMUP Description: WARMUP-<seconds> - Set warm up time. Where: <time> is in seconds
Input Source	1	?INPUT Description: ?INPUT - Query for the current input. Responds with: INPUT-<device label> Where: <device label> is one of the values returned in the query ?INPUTPROPERTIES.

Input Source	1	?INPUTCOUNT Description: ?INPUTCOUNT Query for the number of inputs
Input Source	1	?INPUTLISTCOUNT Description: ?INPUTLISTCOUNT - Query for the number of input groups. Responds with: INPUTLISTCOUNT-<input count>
Input Source	1	?INPUTPROPERTIES Description: ?INPUTPROPERTIES - Query input properties. Responds with one INPUTPROPERTY response for each input: INPUTPROPERTY- <index>,<inputGroup>,<signalType>,<deviceLabel>,<displayName>, Where: <index> is a virtual input number between 1 and <count>. <inputGroup> is the integer value of the virtual input port on the device (mutually exclusive group) <signalType> <deviceLabel> is the label on the device <displayName> is the text shown on the device display.
Input Source	1	?INPUTPROPERTY Description: ?INPUTPROPERTY-<index> - Query input properties for single input. Where: <index> is a virtual input number between 1 and <count> Responds with: INPUTPROPERTY-<index>,<inputGroup>,<signalType>,<deviceLabel>,<displayName> <index> is a virtual input number between 1 and <count> <inputGroup> is the integer value of the virtual input port on the device (mutually exclusive group). <signalType> <deviceLabel> is the label on the device. <displayName> is the text shown on the device display.
Input Source	1	INPUT-VGA-1 INPUT-HDMI-1 INPUT-VIDEO INPUT-VGA-2 INPUT-HDMI-2 INPUT-MULTIMEDIA Description: INPUT-<displayName> Set the current input.
Device	1	LISTSET-<list name> Description: LISTSET-<name>,<key>,<value>[:<key>,<value>...] - Command to create a PropertyList. Where: <name> is the PropertyList name. <key> is the property key. <value> is the property value. LIST APIs are to be used for user defined property list, these APIs are not intended to be used for well known SNAPI properties.

Device	1	<p>LISTSELECT-<list name></p> <p>Description: LISTSELECT-<name>,<index> - Command to a PropertyList to select the element at index. Where: <name> is the PropertyList name. <index> is the one-based decimal ordinal value of a property in the list, or key name. LIST APIs are to be used for user defined property list, these APIs are not intended to be used for well known SNAPI properties.</p>
Device	1	<p>LISTNEXT-<list name></p> <p>Description: LISTNEXT-<name> - Command to iterate in a forward* direction to the PropertyList's next selected element. *Forward means increasing ordinal value. Where: <name> is the PropertyList name. LIST APIs are to be used for user defined property list, these APIs are not intended to be used for well known SNAPI properties.</p>
Device	1	<p>LISTPREV-<list name></p> <p>Description: LISTPREV-<name> - Command to iterate in a backward* direction to the PropertyList's next selected element. *Backward means decreasing ordinal value. Where: <name> is the PropertyList name. LIST APIs are to be used for user defined property list, these APIs are not intended to be used for well known SNAPI properties.</p>
Device	1	<p>?LISTSELECT-<list name></p> <p>Description: ?LISTSELECT-<name> - Query to discover a PropertyList's selected element. Where: <name> is the PropertyList name. If <name> is not recognized, no response. If no selected element, Responds with: LISTSELECT-<name>,0 Where: <name> is the PropertyList name. Otherwise: Responds with: LISTSELECT-<name>,<index>,<key>,<value> Where, <name> is the PropertyList name. <index> is the one-based decimal ordinal value of this property in the list. <key> is the property key. <value> is the property value. LIST APIs are to be used for user defined property list, these APIs are not intended to be used for well known SNAPI properties.</p>
Device	1	<p>?LISTSIZE-<list name></p> <p>Description: ?LISTSIZE-<name> - Query to discover a PropertyList size. Where: <name> is the PropertyList name. If <name> is not recognized, no response; otherwise, Responds with: LISTSIZE-<name>,<size> Where: <name> is the PropertyList name. <size> is a decimal integer representing the size of the list. LIST APIs are to be used for user defined property list, these APIs are not intended to be used for well known SNAPI properties.</p>

Device	1	<p>?LIST-<list name></p> <p>Description: ?LIST-<name> - Query to discover a PropertyList contents. Where: <name> is the PropertyList name. If <name> is not recognized, no response; otherwise, a series of NetLinx strings, one for each element in the PropertyList. Responds with: LIST-<name>,<index>,<key>,<value> Where: <name> is the PropertyList name, <index> is the one-based decimal ordinal value of this property in the list. <key> is the property key. <value> is the property value. LIST APIs are to be used for user defined property list, these APIs are not intended to be used for well known SNAPi properties.</p>
Device	1	<p>?FWVERSION</p> <p>Description: ?FWVERSION - Query for the device firmware version, Responds with: FWVERSION-<version></p>
Device	1	<p>?VERSION</p> <p>Description: ?VERSION - Query for the module version, Responds with: VERSION-<version></p>
Device	1	<p>?DRIVERVERSION</p> <p>Description: ?VERSION - Query for the device driver version, Responds with: DRIVERVERSION-<version> (Only valid for Driver Design Modules)</p>
Device	1	<p>DEBUG-<state></p> <p>Description: DEBUG-<state> - Set the debug state. Where: <state> is 1-4 for ERROR, WARNING, DEBUG, INFO</p>
Device	1	<p>?DEBUG</p> <p>Description: ?DEBUG - Query the debug level, Responds with: DEBUG-<state> Where: <state> is 1-4 for ERROR, WARNING, DEBUG, INFO</p>
Device	1	<p>REINIT</p> <p>Description: REINIT - Reinitialize communication with the device</p>
Device	1	<p>Dagnostic_Mode-<mode></p> <p>Description: NOT FOUND</p>
Device	1	<p>?PROPERTY-IP_Address</p> <p>Description: ?PROPERTY-IP_Address Query the current value of IP address.</p>

Device	1	<p>PROPERTY-IP_Address,<xxx.xxx.xxx.xxx or hostname></p> <p>Description: PROPERTY-IP_Address,<xxx.xxx.xxx.xxx> - or PROPERTY-IP_Address,<hostname> - Set the value of IP address. Where: <xxx.xxx.xxx.xxx> is an IP address. <hostname> is a host name. REINIT required to take affect.</p>
Device	1	<p>PROPERTY-Port,<port number></p> <p>Description: PROPERTY-Port,<port number> - Set the value of the port number associated with the IP address. Where: <port number> is a port number. REINIT required to take affect.</p>
Device	1	<p>?PROPERTY-Port</p> <p>Description: ?PROPERTY-Port - Query the current value of the port number. Associated with PROPERTY-IP_Address.</p>
Device	1	<p>PROPERTY-Baud_Rate,<baud rate></p> <p>Description: PROPERTY-Baud_Rate,<baud rate> - Where: <baud rate> is a serial port baud rate. Set the value of the baud rate associated with the Serial port. REINIT required to take affect.</p>
Device	1	<p>?PROPERTY-Baud_Rate</p> <p>Description: ?PROPERTY-Baud_Rate - Query the current value of the baud rate. Associated with the Serial port.</p>
Device	1	<p>?PROPERTY-Device_ID</p> <p>Description: ?PROPERTY-Device_ID - Query the current value of the device id. If supported by the device this is the id of the end device.</p>
Device	1	<p>PROPERTY-Device_ID,<device id></p> <p>Description: PROPERTY-Device_ID,<device id> - Set the current value of the <device id>. Where: <device id> is a new device ID. If supported by the device this is the id of the end device. REINIT required to take affect.</p>
Device	1	<p>PROPERTY-Poll_Time,<time></p> <p>Description: PROPERTY-Poll_Time,<time> - Set the current value of the poll timer interval. Where: <time> is expressed in milliseconds. Warning setting the interval lower than 10,000ms (10 seconds) is not recommended. REINIT is not required to take affect.</p>
Device	1	<p>?PROPERTY-Poll_Time</p> <p>Description: ?PROPERTY-Poll_Time - Query the current value of the poll time interval.</p>

Device	1	<p>PROPERTY-Online_Timeout,<time></p> <p>Description: PROPERTY-Online_Timeout,<time> - Set the current value of the online timeout interval. Where: <time> is expressed in seconds. This interval is the maximum time the device will remain in the online state given that no communication has been received from the device. REINIT required to take affect.</p>
Device	1	<p>?PROPERTY-Online_Timeout</p> <p>Description: ?PROPERTY-Online_Timeout - Query the current value of the online timeout interval.</p>
Device	1	<p>?PROPERTY-Minimum_Command_Interval</p> <p>Description: ?PROPERTY-Minimum_Command_Interval - Query the current value of the Minimum Time Interval Between Command Messages (in milliseconds). This property is read-only.</p>
Device	1	<p>PASSTHRU-<buffer></p> <p>Description: PASSTHRU-<buffer> - Send a message directly to the device. Where: <buffer> is the data to send</p>
Device	1	<p>PASSBACK-<state></p> <p>Description: NOT FOUND</p>
Device	1	<p>PROPERTY-<property name,value></p> <p>Description: PROPERTY-<name>,<value> - Set the property to a value. Where: <name> is the property name. <value> is the property value.</p>
Device	1	<p>?PROPERTY-<property name></p> <p>Description: ?PROPERTY-<name> Query for the value of property. Responds with: PROPERTY-<name>,<value></p>

5. Custom Command Information

The following are Custom NetLinx Commands supported by this Device Driver.

Functional Group	Port	Command
KeyBlank	1	Command: Custom.KeyBlank.SetBlankOff Description: No description provided.
		Command: Custom.KeyBlank.SetBlankOn Description: No description provided.
KeyEmulate	1	Command: Custom.KeyEmulate.UpArrow Description: No description provided.
		Command: Custom.KeyEmulate.LeftArrow Description: No description provided.
		Command: Custom.KeyEmulate.RightArrow Description: No description provided.
		Command: Custom.KeyEmulate.DownArrow Description: No description provided.
		Command: Custom.KeyEmulate.Menu Description: No description provided.
		Command: Custom.KeyEmulate.Source Description: No description provided.
		Command: Custom.KeyEmulate.KeystoneInc Description: No description provided.
		Command: Custom.KeyEmulate.KeystoneDec Description: No description provided.
		Command: Custom.KeyEmulate.VolumeInc Description: No description provided.
		Command: Custom.KeyEmulate.VolumeDec Description: No description provided.

KeyResync	1	<p>Command: Custom.KeyResync.SetResync</p> <p>Description: No description provided.</p>
OSD_Options	1	<p>Command: Custom.OSDOptions.AutoPowerOff0</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.AutoPowerOff20</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.AutoPowerOff40</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.AutoPowerOff60</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.AutoPowerOff80</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.AutoPowerOff100</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.AutoPowerOff120</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.HighAttitudeOn</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.HighAttitudeOff</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDOptions.Information</p> <p>Description: No description provided.</p>

OSD_Picture	1	Command: Custom.OSDPicture.ColorModeBright
		Description: No description provided.
		Command: Custom.OSDPicture.ColorModePC
		Description: No description provided.
		Command: Custom.OSDPicture.ColorModeMovie
		Description: No description provided.
		Command: Custom.OSDPicture.ColorModeGame
		Description: No description provided.
Command: Custom.OSDPicture.ColorModeUser		
Description: No description provided.		
Command: Custom.OSDPicture.ReadColorMode		
Description: No description provided.		

OSD_Screen	1	Command: Custom.OSDScreen.AspectRatioAuto
		Description: No description provided.
		Command: Custom.OSDScreen.AspectRatio43
		Description: No description provided.
		Command: Custom.OSDScreen.AspectRatio169
		Description: No description provided.
		Command: Custom.OSDScreen.AspectRatio1610
		Description: No description provided.
		Command: Custom.OSDScreen.AspectRatioUltraWide
		Description: No description provided.
		Command: Custom.OSDScreen.ZoomInc
		Description: No description provided.
		Command: Custom.OSDScreen.ZoomDec
		Description: No description provided.
		Command: Custom.OSDScreen.OrientationFront
		Description: No description provided.
Command: Custom.OSDScreen.OrientationRear		
Description: No description provided.		
Command: Custom.OSDScreen.OrientationFrontCeiling		
Description: No description provided.		
Command: Custom.OSDScreen.OrientationRearCeiling		
Description: No description provided.		
Command: Custom.OSDScreen.ReadAspectRatio		
Description: No description provided.		

OSD_Settings	1	Command: Custom.OSDSetting.LanguageEnglish
		Description: No description provided.
		Command: Custom.OSDSetting.LanguageGer
		Description: No description provided.
		Command: Custom.OSDSetting.LanguageSwedish
		Description: No description provided.
		Command: Custom.OSDSetting.LanguageFrench
		Description: No description provided.
		Command: Custom.OSDSetting.LanguageArabic
		Description: No description provided.
		Command: Custom.OSDSetting.LanguageDutch
		Description: No description provided.
		Command: Custom.OSDSetting.LanguageNorwegian
		Description: No description provided.
		Command: Custom.OSDSetting.LanguageDanish
		Description: No description provided.
		Command: Custom.OSDSetting.LanguageSimChinese
		Description: No description provided.
		Command: Custom.OSDSetting.LanguagePolish
		Description: No description provided.
Command: Custom.OSDSetting.LanguageKorean		
Description: No description provided.		
Command: Custom.OSDSetting.LanguageRussian		
Description: No description provided.		
Command: Custom.OSDSetting.LanguageSpanish		
Description: No description provided.		
Command: Custom.OSDSetting.LanguageTraChinese		
Description: No description provided.		
Command: Custom.OSDSetting.LanguageItalian		
Description: No description provided.		
Command:		

	<p>Custom.OSDSetting.LanguagePortuguese</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDSetting.LanguageTurkish</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDSetting.LanguageJapanese</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDSetting.MenuLocTopLeft</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDSetting.MenuLocTopRight</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDSetting.MenuLocCenter</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDSetting.MenuLocBotLeft</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDSetting.MenuLocBotRight</p> <p>Description: No description provided.</p> <hr/> <p>Command: Custom.OSDSetting.ResetToDefault</p> <p>Description: No description provided.</p>
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OSD_Volume	1	Command: Custom.OSDVolume.MicrophoneVolume0
		Description: No description provided.
		Command: Custom.OSDVolume.MicrophoneVolume5
		Description: No description provided.
		Command: Custom.OSDVolume.MicrophoneVolume10
		Description: No description provided.
		Command: Custom.OSDVolume.MicrophoneVolume15
		Description: No description provided.
		Command: Custom.OSDVolume.MicrophoneVolume20
		Description: No description provided.
Command: Custom.OSDVolume.MicrophoneVolume25		
Description: No description provided.		
Command: Custom.OSDVolume.MicrophoneVolume30		
Description: No description provided.		

6. HAS Properties Information

The following NetLinx HAS Properties are supported by this Device Driver.

Port	Satisfied	HAS Property Query
1	?PROPERTY-Command-Holdoff	FALSE
1	?PROPERTY-Has-Aspect-Ratio	FALSE
1	?PROPERTY-Has-Aspect-Ratio-Cycle	FALSE
1	?PROPERTY-Has-Auto-Focus	FALSE
1	?PROPERTY-Has-Auto-Focus-Cycle	FALSE
1	?PROPERTY-Has-Auto-Iris	FALSE
1	?PROPERTY-Has-Auto-Iris-Cycle	FALSE
1	?PROPERTY-Has-Brightness	FALSE
1	?PROPERTY-Has-Color	FALSE
1	?PROPERTY-Has-Contrast	FALSE
1	?PROPERTY-Has-Custom	TRUE
1	?PROPERTY-Has-Filter	FALSE
1	?PROPERTY-Has-Focus	FALSE
1	?PROPERTY-Has-Focus-Ramp	FALSE
1	?PROPERTY-Has-Focus-Speed	FALSE
1	?PROPERTY-Has-Freeze	FALSE
1	?PROPERTY-Has-Freeze-Cycle	TRUE
1	?PROPERTY-Has-Input-Select	TRUE
1	?PROPERTY-Has-Input-Select-Cycle	TRUE
1	?PROPERTY-Has-Iris	FALSE
1	?PROPERTY-Has-Iris-Ramp	FALSE
1	?PROPERTY-Has-Iris-Speed	FALSE
1	?PROPERTY-Has-Lamp	FALSE
1	?PROPERTY-Has-Menu	FALSE
1	?PROPERTY-Has-Menu-10Key	FALSE
1	?PROPERTY-Has-Menu-Navigate	FALSE
1	?PROPERTY-Has-PIP	FALSE
1	?PROPERTY-Has-PIP-Cycle	FALSE
1	?PROPERTY-Has-PIP-Position-Cycle	FALSE
1	?PROPERTY-Has-Picture-Mute	FALSE
1	?PROPERTY-Has-Picture-Mute-Cycle	TRUE
1	?PROPERTY-Has-Power	FALSE
1	?PROPERTY-Has-Power-Cycle	TRUE
1	?PROPERTY-Has-Sharpness	FALSE
1	?PROPERTY-Has-Tint	FALSE
1	?PROPERTY-Has-Volume	FALSE
1	?PROPERTY-Has-Volume-Mute-Cycle	TRUE
1	?PROPERTY-Has-Volume-Ramp	TRUE
1	?PROPERTY-Has-Zoom	FALSE
1	?PROPERTY-Has-Zoom-Ramp	FALSE
1	?PROPERTY-Has-Zoom-Speed	FALSE

7. Properties Information

The following NetLinx Properties are supported by this Device Driver.

Port	Property Query	Value
1	?PROPERTY-Custom-List	Custom.KeyBlank.SetBlankOff Custom.KeyBlank.SetBlankOn Custom.KeyEmulate.DownArrow Custom.KeyEmulate.KeystoneDec Custom.KeyEmulate.KeystoneInc Custom.KeyEmulate.LeftArrow Custom.KeyEmulate.Menu Custom.KeyEmulate.RightArrow Custom.KeyEmulate.Source Custom.KeyEmulate.UpArrow Custom.KeyEmulate.VolumeDec Custom.KeyEmulate.VolumeInc Custom.KeyResync.SetResync Custom.OSDOptions.AutoPowerOff0 Custom.OSDOptions.AutoPowerOff100 Custom.OSDOptions.AutoPowerOff120 Custom.OSDOptions.AutoPowerOff20 Custom.OSDOptions.AutoPowerOff40 Custom.OSDOptions.AutoPowerOff60 Custom.OSDOptions.AutoPowerOff80 Custom.OSDOptions.HighAttitudeOff Custom.OSDOptions.HighAttitudeOn Custom.OSDOptions.Information Custom.OSDPicture.ColorModeBright Custom.OSDPicture.ColorModeGame Custom.OSDPicture.ColorModeMovie Custom.OSDPicture.ColorModePC Custom.OSDPicture.ColorModeUser Custom.OSDPicture.ReadColorMode Custom.OSDScreen.AspectRatio1610 Custom.OSDScreen.AspectRatio169 Custom.OSDScreen.AspectRatio43 Custom.OSDScreen.AspectRatioAuto Custom.OSDScreen.AspectRatioUltraWide Custom.OSDScreen.OrientationFront Custom.OSDScreen.OrientationFrontCeiling Custom.OSDScreen.OrientationRear Custom.OSDScreen.OrientationRearCeiling Custom.OSDScreen.ReadAspectRatio Custom.OSDScreen.ZoomDec Custom.OSDScreen.ZoomInc Custom.OSDSetting.LanguageArabic Custom.OSDSetting.LanguageDanish Custom.OSDSetting.LanguageDutch Custom.OSDSetting.LanguageEnglish Custom.OSDSetting.LanguageFrench Custom.OSDSetting.LanguageGer Custom.OSDSetting.LanguageItalian Custom.OSDSetting.LanguageJapanese Custom.OSDSetting.LanguageKorean Custom.OSDSetting.LanguageNorwegian Custom.OSDSetting.LanguagePolish Custom.OSDSetting.LanguagePortuguese Custom.OSDSetting.LanguageRussian Custom.OSDSetting.LanguageSimChinese Custom.OSDSetting.LanguageSpanish Custom.OSDSetting.LanguageSwedish Custom.OSDSetting.LanguageTraChinese Custom.OSDSetting.LanguageTurkish Custom.OSDSetting.MenuLocBotLeft Custom.OSDSetting.MenuLocBotRight Custom.OSDSetting.MenuLocCenter Custom.OSDSetting.MenuLocTopLeft Custom.OSDSetting.MenuLocTopRight Custom.OSDSetting.ResetToDefault Custom.OSDVolume.MicrophoneVolume0 Custom.OSDVolume.MicrophoneVolume10 Custom.OSDVolume.MicrophoneVolume15 Custom.OSDVolume.MicrophoneVolume20 Custom.OSDVolume.MicrophoneVolume25 Custom.OSDVolume.MicrophoneVolume30 Custom.OSDVolume.MicrophoneVolume5
1	?PROPERTY-Lamp-Count	1

1	?PROPERTY-Menu-List	None Provided.
1	?PROPERTY-Menu-Navigate-List	None Provided.
1	?PROPERTY-PRESETCOUNT	0

8. Sample NetLinx Code

The following is sample NetLinx code.

```
PROGRAM_NAME='Main'
(*****
(*****
(* System Type : NetLinx *)
(*****
(*****
(* DEVICE NUMBER DEFINITIONS GO BELOW *)
(*****
DEFINE_DEVICE
dvSerialPort = 5001:1:0
dvIpPort = 0:4:0
vdvMyDevice = 41001:1:0
(*****
(* CONSTANT DEFINITIONS GO BELOW *)
(*****
DEFINE_CONSTANT
(*****
(* DATA TYPE DEFINITIONS GO BELOW *)
(*****
DEFINE_TYPE
(*****
(* VARIABLE DEFINITIONS GO BELOW *)
(*****
DEFINE_VARIABLE
CHAR MyXDDFile[] = ' Video_Projector_L3X02_1.0.0.xdd'
(*****
(* LATCHING DEFINITIONS GO BELOW *)
(*****
DEFINE_LATCHING
(*****
(* MUTUALLY EXCLUSIVE DEFINITIONS GO BELOW *)
(*****
DEFINE_MUTUALLY_EXCLUSIVE
(*****
(* SUBROUTINE/FUNCTION DEFINITIONS GO BELOW *)
(*****
(* EXAMPLE: DEFINE_FUNCTION <RETURN_TYPE> <NAME> (<PARAMETERS>) *)
(* EXAMPLE: DEFINE_CALL '<NAME>' (<PARAMETERS>) *)
(*****
(* STARTUP CODE GOES BELOW *)
(*****
DEFINE_START
DEFINE_MODULE 'DeviceDriverEngine' MyDevice(vdvMyDevice, dvSerialPort, MyXDDFile)
(*****
(* THE EVENTS GO BELOW *)
(*****
DEFINE_EVENT
(*****
(* THE ACTUAL PROGRAM GOES BELOW *)
(*****
DEFINE_PROGRAM
(*****
(* END OF PROGRAM *)
(* DO NOT PUT ANY CODE BELOW THIS COMMENT *)
(*****
```

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