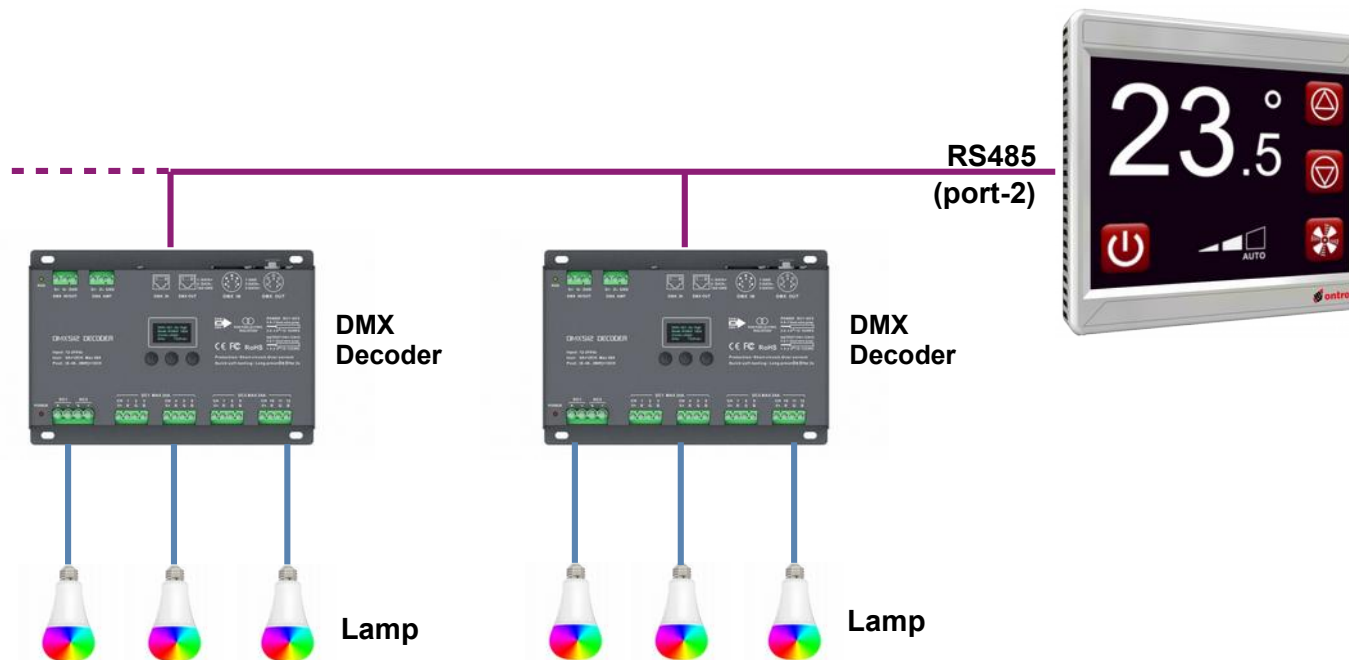
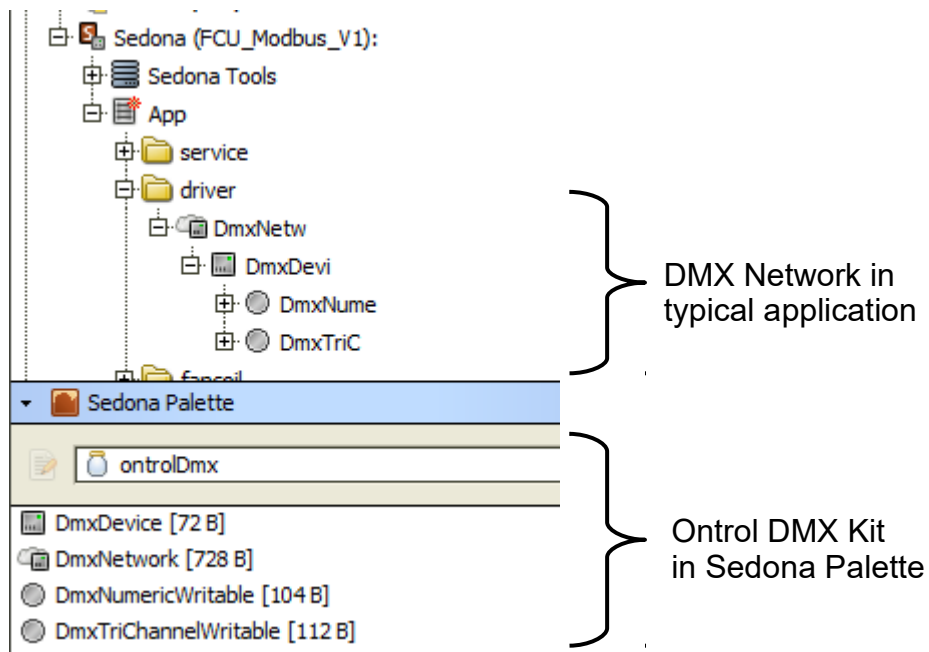


Using Ontrol DMX Driver on the R-ION



Ontrol DMX Kit



OBSERVE HIERARCHY

DmxNetwork can reside anywhere but,

- DmxDevices must go under DmxNetwork
- Client points must go under a DmxDevice

DMX Network Configuration

DmxNetw (ontrolDmx::DmxNetwork)	
<input type="checkbox"/> Meta	Group [1] >>
<input type="checkbox"/> Status	<input type="button" value="OK"/>
<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> true
<input type="checkbox"/> Ping Period	300 s [30 - 65535]
<input type="checkbox"/> Slow Rate	30 s [30 - 255]
<input type="checkbox"/> Normal Rate	5 s [5 - 255]
<input type="checkbox"/> Fast Rate	1 s [1 - 255]
<input type="checkbox"/> Response Timeout	200 ms [50 - 3000]
<input type="checkbox"/> Max Retries	1 [0 - 10]
<input type="checkbox"/> Max Write Time	300 s [0 - 65535]
<input type="checkbox"/> Min Write Time	500 ms [0 - 65535]
<input type="checkbox"/> Max Read Fails To Mark Device Down	3 [1 - 255]
<input type="checkbox"/> Fix Packet Size512	<input type="radio"/> false
<input type="checkbox"/> Port Number	2 [0 - 255]

No function in DMX driver

No function in DMX driver

Enable
To enable or disable DMX communication

Max Write Time
Driver will repeat writes to client points with this frequency even if the value has not changed

Min Write Time
Driver will not write to an individual client point more frequently than this setting

Port Number
Typically port 2 for the R-ION

Fix Packet Size512
If true, the transmitted messages will always contain values for all 512 DMX addresses. If false, shorter messages may be transmitted. (Some DMX devices ignore shorter messages that don't contain all 512 values)

DMX Device Configuration

DmxDevi (ontrolDmx::DmxDevice)

<input type="checkbox"/> Meta	Group [1] >>
<input type="checkbox"/> Fault	<input type="radio"/> false
<input type="checkbox"/> Status	<input type="text" value="0"/>
<input type="checkbox"/> Enable	<input type="radio"/> true ▼
<input type="checkbox"/> Channel Offset	<input type="text" value="0"/> [0 - 95]

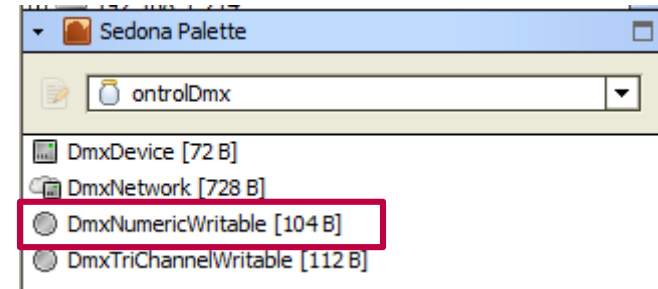
Channel Offset

Base channel address for points on this device. See following pages for explanation

DmxNumericWritable

This point type is used to drive a single dimmer channel controlling brightness between 0...100%

DmxName	
ontrolDmx::DmxNumericWritable	
Fault	false
Status	0
In	0.00



DmxName ontrolDmx::DmxNumericWritable [DmxName:16]

Meta Group [1] >>

Fault false

Status 0

Enable true

Poll Frequency Normal

Channel 0 [1 - 96]

In 0.00 [0.00 - 100.00]

Channel

Set channel address here. Please note that this works in combination with the channelOffset property of the parent device. Commands from this point will be sent to address:

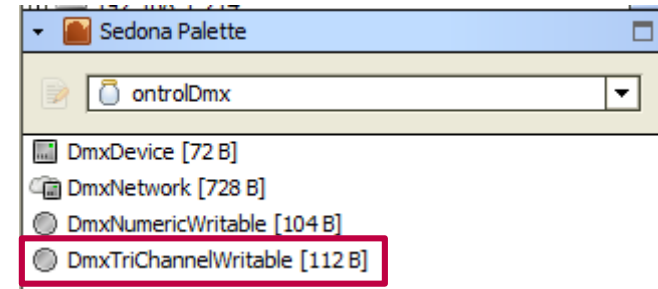
Point.channel + Device.channelOffset

In

0...100% value to be sent to this channel

DmxTriChannelWritable

This point type is typically used to adjust color on three-channel RGB drivers.



DmxTriC	
ontrolDmx::DmxTriChannelWritable	
Fault	false
Status	0
In1	0.00
In2	0.00
In3	0.00

DmxTriC ontrolDmx::DmxTriChannelWritable [DmxTriC:16]

- Meta Group [1] >>
- Fault false
- Status
- Enable true
- Poll Frequency Normal
- Channel [1 - 96]
- In1 [0.00 - 100.00]
- In2 [0.00 - 100.00]
- In3 [0.00 - 100.00]

Channel

Set starting channel address here. Please note that

- 3 consecutive channels will be used by this component
- This setting works in combination with the channelOffset property of the parent device.

Commands from this point will be sent to 3 consecutive addresses starting with:

Point.channel + Device.channelOffset

In1, In2, In3

0...100% control values to be sent to red, green and blue channels of DMX driver

Channel Addressing Example

DmxDevi (ontrolDmx::DmxDevice)

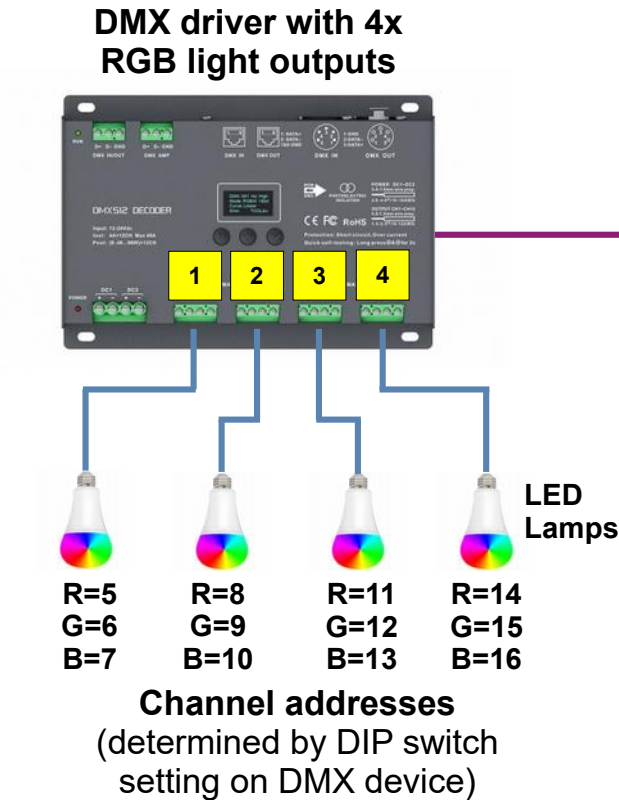
- Meta Group [1] >>
- Fault false
- Status 0
- Enable true
- Channel Offset 4 [0 - 95]

DmxTri1 ontrolDmx::DmxTriChannelWritable [DmxTriC:16]

- Meta Group [1] >>
- Fault false
- Status 0 **1**
- Enable true
- Poll Frequency Normal
- Channel 1 [1 - 96]
- In1 0.00 [0.00 - 100.00]
- In2 0.00 [0.00 - 100.00]
- In3 0.00 [0.00 - 100.00]

DmxTri2 ontrolDmx::DmxTriChannelWritable [DmxTri1:75]

- Meta Group [1] >>
- Fault false
- Status 0
- Enable true **2**
- Poll Frequency Normal
- Channel 4 [1 - 96]
- In1 0.00 [0.00 - 100.00]
- In2 0.00 [0.00 - 100.00]
- In3 0.00 [0.00 - 100.00]



DmxTri3 ontrolDmx::DmxTriChannelWritable [DmxTri2:76]

- Meta Group [1] >>
- Fault false
- Status 0
- Enable true **3**
- Poll Frequency Normal
- Channel 7 [1 - 96]
- In1 0.00 [0.00 - 100.00]
- In2 0.00 [0.00 - 100.00]
- In3 0.00 [0.00 - 100.00]

DmxTri4 ontrolDmx::DmxTriChannelWritable [DmxTri3:77]

- Meta Group [1] >>
- Fault false
- Status 0
- Enable true **4**
- Poll Frequency Normal
- Channel 10 [1 - 96]
- In1 0.00 [0.00 - 100.00]
- In2 0.00 [0.00 - 100.00]
- In3 0.00 [0.00 - 100.00]