

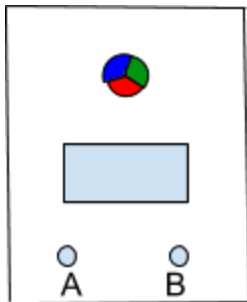
Box 1 Topics

Box 1 Publishes :

Topic	Payload	Comment
box1/switch_A	(='1' pressed) (='0' released)	
box1/switch_B	(='1' pressed) (='0' released)	

Box 1 Is subscribed to :

Topic	Payload	Comment
box1/RelayA	(='1' ON) (='0' OFF)	
box1/RelayB	(='1' ON) (='0' OFF)	
box1/rgbled	"rgb(r,g,b)"	(r=red ,g=green, b=blue) [0-255]
box1/display	"Any Text"	Starts at Row=4 Col=4 Max 12 chars. (will be changed in next releases)



Climate Box Topics

Climate Box Publishes :

Topic	Payload	Comment
<code>climate_box/Temp</code>	Numeric String	E.g. "22.70" (°C) See note 1
<code>climate_box/Humedad</code>	Numeric String	E.g. "60.33" (%) See note1

Climate Box Is subscribed to :

Topic	Payload	Comment
<code>climate_box/SetReadDelay</code>	Set read sensors interval in ms	E.g.: "2000" See Note 2
<code>climate_box/display</code>	Send text to display	E.g.: "Hello"
<code>climate_box/ReadoutEnable</code>	1= Enabled 0=Disabled	See note 3

Note 1: Both topics are sent every 5 sec by default.

Note 2 : The total read interval is : 2 sec + SetReadDelay

Note 3 : This topic is used to disable climate readings on display. The main use is to free the display for other uses.

Dimmer Box Topics

Dimmer Box Publishes :

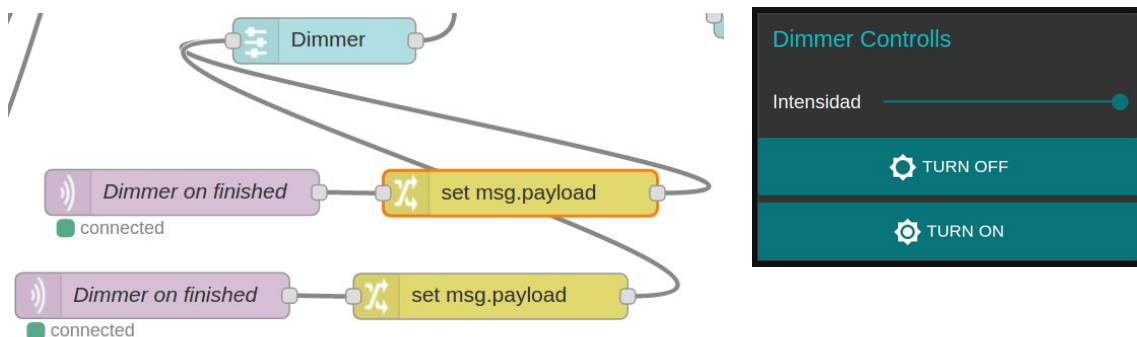
Topic	Payload	Comment
Dimmer/Slow_on_done	Numeric String	1 means that slow turn on has finished Note1
Dimmer/Slow_off_done	Numeric String	1 means that slow turn off has finished Note1

Dimmer Box Is subscribed to :

Topic	Payload	Comment
Dimmer/IntensityA	Set led strip intensity 0-1023	E.g.: "600"
Dimmer/slowon	Turns on led strip slowly from present value to full brightness	E.g.: "1"
Dimmer/slowoff	Turns off led strip slowly from present value to full darkness	E.g.: "1"

Note 1: This topic is useful to update any related controls on the node red dashboard.



Example:





1- Listen on **Dimmer/Slow_on_done**


2- Once received Create a new message and send it to slider to update its state

1-Listen



 Server 


 Topic


 QoS

 Name

2-Send new message to slider (1023 i.e. Set Slider to rightmost position))

 Name 


 Rules



Set ▼

▼ msg. payload

to ▼ ^a_z 1023



BigBox Box Topics

Bigbox Box Publishes :

Topic	Payload	Comment
To DO		
To Do		

BigBox Is subscribed to :

Topic	Payload	Comment
bigbox/RelayA	Numeric String	1 On 0 OFF
bigbox/RelayB	Numeric String	1 On 0 OFF

Note 1: This topic is useful to update any related controls on the node red dashboard.

PIR Box Topics

PIR Box Publishes :

Topic	Payload	Comment
<code>pirbox/ldrvalue</code>		
<code>pirbox/triggered</code>	1 = Triggered	Note 1
<code>pirbox/released</code>	0 = Released	Note 1

PIR Box Is subscribed to :

Topic	Payload	Comment
<code>pirbox/mqtt_enable</code>	1= Enabled 0=Disabled	Note 2
<code>pirbox/ldr_enable</code>	1= Enabled 0=Disabled	Note 2
<code>pirbox/Set_ldr_Delay</code>	Set read LDR interval in ms	E.g.: "2000" See Note 3

Note 1: This is an event.

Note 2 : This enables MQTT messages from sensor

Note 3 : This topic is used to set LDR sample Rate. Default 1 seg.

