



# DCP-555

Digital Conferencing Processor with VoIP

## Third party API documentation v1.7



## Table of contents

Overview .....	8
DCP 555 API requirements.....	8
1. Login / Logout .....	8
1.1. Login.....	8
1.2. Logout .....	8
2. Configure Input Channels .....	9
2.1. Select input channel routing.....	9
2.2. Configure/ Select Blulink channel .....	9
2.3. Set preamp gain of analog input channel .....	10
2.4. Enable/Disable phantom power of input channel.....	10
3. Configure Output Channels.....	11
3.1. Select AES channel .....	11
3.2. Select Analog channel .....	11
3.3. Select USB channel.....	12
3.4. Select VoIP channel.....	12
3.5. Select blulink slot number .....	13
3.6. Select Blulink channel .....	13
3.7. Set Polarity.....	14
4. AEC Screen (Input channels) .....	15
4.1. Enable /Disable AEC.....	15
4.2. Enable /Disable AGC .....	15
4.3. Set Minimum gain of AGC.....	16
4.4. Set Maximum gain of AGC .....	16
4.5. Set target level of AGC.....	17
4.6. Set Activation threshold value of AGC.....	17
4.7. Set NLP strength value of AGC.....	18
4.8. Get ERL value of AGC .....	18
4.9. Get ERLE value of AGC .....	19
5. Automixer Screen.....	20
5.1. Set master gain .....	20
5.2. Get master level.....	20
5.3. Mute master .....	21

---

5.4.	Set Ratio (Slope).....	21
5.5.	Set Speed .....	22
5.6.	Set Automixer Input gain .....	22
5.7.	Mute Input channel of Automixer .....	23
5.8.	Set Input channel OffGain of Automixer.....	23
5.9.	Get Input channel OpenMeter of Automixer .....	24
5.10.	Set Input channel Override of Automixer.....	25
5.11.	Set Solo in Automixer.....	25
5.12.	Set Automixer Input Connection .....	26
5.13.	Set Automixer Output Connection .....	26
5.14.	Set Automixer (1-4) name.....	27
6.	Control Compressor parameters .....	28
6.1.	Set Bypass value.....	28
6.2.	Set Threshold value.....	28
6.3.	Set Ratio value .....	29
6.4.	Set Gain value .....	29
6.5.	Get GainReduction value .....	30
6.6.	Get InputLevel value .....	30
6.7.	Set Attack value .....	31
6.8.	Set Release value .....	31
7.	Control Limiter parameters .....	32
7.1.	Set Bypass value.....	32
7.2.	Set Threshold value.....	32
7.3.	Get GainReduction value .....	33
7.4.	Get InputLevel value .....	33
7.5.	Set Attack value .....	34
7.6.	Set Release value .....	34
8.	Configure channel – AES67 .....	35
8.1.	Set Frame Rate.....	35
8.2.	Set DelayTime .....	35
8.3.	Set Processing .....	36
9.	Schematic Screen .....	37
9.1.	Get meter data of input channel before processing.....	37

---

9.2.	Get meter data of input channel after processing.....	37
9.3.	Set Mute/Unmute of Input channel .....	38
9.4.	Set level of Input channel .....	38
9.5.	Enable PEQ of Input channel.....	39
9.6.	Enable Bypass (Compressor) of Input channel .....	39
9.7.	Get meter data of output channel before processing .....	40
9.8.	Get meter data of output channel after processing .....	40
9.9.	Set Mute/Unmute of output channel .....	41
9.10.	Set level (Gain) of output channel .....	41
9.11.	Enable PEQ of Input channel.....	42
9.12.	Enable Bypass (Compressor) of Input channel .....	42
10.	PEQ Screen.....	43
10.1.	Set HPFrequency of Input channel.....	43
10.2.	Set HPTYPE of Input channel.....	43
10.3.	Enable/Disable ParametricEQ of Input channel .....	44
10.4.	Reset/Restore all 4 bands value of Input channel .....	44
10.5.	Set Frequency of Band (1-4) of Input channel .....	45
10.6.	Set Gain of Band (1-4) of Input channel.....	45
10.7.	Set Q of Band (1-4) of Input channel .....	46
10.8.	Set Slope of Band (1-4) of Input channel .....	46
10.9.	Set Type of Band (1-4) of Input channel .....	47
10.10.	Set HPFrequency of Output channel.....	47
10.11.	Set HPTYPE of Output channel.....	48
10.12.	Enable/Disable ParametricEQ of Output channel.....	49
10.13.	Reset/Restore all 4 bands value of Output channel .....	49
10.14.	Set Frequency of Band (1-4) of Output channel .....	50
10.15.	Set Gain of Band (1-4) of Output channel.....	50
10.16.	Set Q of Band (1-4) of Output channel .....	51
10.17.	Set Slope of Band (1-4) of Output channel .....	51
10.18.	Set Type of Band (1-4) of Output channel .....	52
11.	Configure Matrix Router .....	53
11.1.	Select/Assign channel in Input channel (1-28).....	53
11.2.	Select/Assign channel in Output channel (1-12).....	53

---

11.3.	Select/Assign input channel in Automixer (1-4) .....	53
11.4.	Select/Assign output channel in Automixer (1-4).....	54
11.5.	Set MasterGain of Automixer (1-4) (Same as section 5.1).....	54
11.6.	Set Speed of Automixer (1-4) (Same as section 5.5).....	55
11.7.	Set Ratio (Slope) of Automixer (1-4) (Same as section 5.4).....	55
11.8.	Mute Automixer (1-4) (Same as section 5.3) .....	56
12.	BLU Link Settings.....	57
12.1.	Read version.....	57
12.2.	Read Master MAC address.....	57
12.3.	Read Master Priority .....	57
12.4.	Read Sample Rate .....	58
12.5.	Set Priority.....	58
12.6.	Read Input port status .....	59
12.7.	Read Output port status .....	59
12.8.	Read Input correct count .....	60
12.9.	Read Output correct count .....	60
12.10.	Read Input error count .....	61
12.11.	Read Output error count .....	61
12.12.	Reset Input error.....	62
12.13.	Reset Output error.....	62
13.	Device Settings.....	63
13.1.	Disable/Set Home screen timeout value .....	63
13.2.	Disable/Set Backlight timeout value.....	63
13.3.	Lock/Unlock Front panel.....	64
13.4.	Subscribe Firmware update status .....	64
13.5.	Subscribe / Unsubscribe version value .....	64
14.	Exec Commands .....	65
14.1.	Save Configuration.....	65
14.2.	Restore Configuration.....	65
14.3.	Create Configuration.....	66
14.4.	Validate Configuration .....	66
14.5.	Rename Configuration .....	67
14.6.	Reconfigure mono-stereo.....	67

14.7.	Change password.....	68
14.8.	Login.....	68
14.9.	Start firmware update.....	69
14.10.	Cancel firmware update.....	69
14.11.	Locate On/Off.....	70
14.12.	Factory reset .....	70
14.13.	Change IP Address.....	70
15.	Network Settings.....	71
15.1.	Network configuration of Port A (AES67) .....	71
15.2.	Network Configuration of Port B (VoIP).....	71
16.	VoIP settings (VoIP Screen).....	72
16.1.	Get account status .....	72
16.2.	Set user name .....	72
16.3.	Set Authentication user name .....	73
16.4.	Set Password.....	73
16.5.	Set Display name.....	74
16.6.	Set Domain value .....	74
16.7.	Enable/Disable Stun.....	75
16.8.	Enable/Disable “Register with domain” option.....	75
16.9.	Set Registration life value .....	76
16.10.	Set Registration retry value .....	76
16.11.	Set Proxy address.....	77
16.12.	Set Proxy port.....	77
16.13.	Set Signaling port .....	78
16.14.	Set SRTP Preference.....	78
16.15.	Set RTP Port .....	79
16.16.	Set RTP Port end .....	79
16.17.	Set Ring type .....	80
16.18.	Set AutoAnswerAfter option.....	80
16.19.	Set DTMFMode option.....	81
16.20.	Enable/Disable DTMFToneMute option .....	81
16.21.	Enable/Disable DTMFFixedLength option .....	82
16.22.	Set DTMFOnTime value (ms) .....	82

16.23.	Set DTMFOffTime value (ms) .....	83
16.24.	Enable/Disable Session timer .....	83
16.25.	Set DefaultTimer value.....	84
16.26.	Set MinimumTimer value.....	84
16.27.	Enable/Disable KeepAlive option.....	85
16.28.	Set KeepAliveInterval value .....	85
16.29.	Enable/Disable AutoAnswer .....	86
16.30.	Enable/Disable DND.....	86
16.31.	Increase/Decrease Volume (Set RXGain).....	87
16.32.	Set TXGain .....	87
16.33.	Set TXMute.....	88
16.34.	Set Ring volume .....	88
16.35.	Set DTMF volume.....	89
16.36.	Get VoIP line status.....	89
16.37.	Get CallerId .....	90
16.38.	Get Dial number.....	90
16.39.	Get CallStatus.....	91
16.40.	Get TxLevel.....	91
16.41.	Get RxLevel .....	92
16.42.	Set Key pressed value .....	92
16.43.	Dial (Call).....	93
16.44.	Hangup/Reject the call.....	94
16.45.	Hold the call .....	94
16.46.	Redial the number .....	95
16.47.	Resume the call.....	96
16.48.	Answer the call.....	96
16.49.	Delete dial number field .....	97
16.50.	Set Transport type (General VoIP settings screen).....	98
16.51.	Set T1 Timer .....	98
16.52.	Set T2 Timer .....	99
16.53.	Set T4 Timer .....	99
16.54.	Set TD Timer.....	99
16.55.	Set RPort .....	100

16.56.	Set Stun Port .....	100
16.57.	Set Stun Server .....	100
16.58.	Get MAC address .....	101
17.	Examples (Websocket).....	102
17.1.	Initializing connection steps.....	102
17.2.	Setting a value.....	102
17.3.	Getting a value .....	102
17.4.	Subscription steps .....	102
17.5.	Remove Subscription .....	103
18.	Examples (TCP via Telnet) .....	104
18.1.	Initialize TCP connection .....	104
18.1.1.	By using Putty tool .....	104
18.1.2.	By using CMD .....	104
18.2.	Login to DCP 555 device.....	105
18.3.	Send Commands .....	105



# Overview

This is the DCP 555 API Guide. It is intended for developers who are needing to integrate and communicate with DCP 555. This document assumes familiarity with JSON, HTTP, REST web services, and some programming language (Java, C#, TypeScript, etc.).

There are two ways to communicate with DCP 555 device by using listed APIs in this document–

- a) **Websocket** (please refer section 17)
- b) **TCP** (please refer section 18)

## DCP 555 API requirements

API described in this document are implemented in DCP 555 v1.1 and newer. No language bindings for client development are provided. Developers can use their language of choice to consume these APIs.

### 1. Login / Logout

#### 1.1. Login

<b>API : HTTP request</b>			RequestMethod: GET
http://<hostname>/api/access/login?account=<USERNAME>&password=<PASSWORD>			RequestProperty: "Content-Type", "application/json"
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	http://<hostname>/api/access/login?account=<USERNAME>&password=<PASSWORD>
Username			
Password			
			<b>Response :</b>
			<code>{"sessionID":"2d5de431-8df4-417d-897d-fd171cf890d6"}</code>

#### 1.2. Logout

<b>API : HTTP request</b>			RequestMethod: GET
http://<hostname>/api/access/logout?sessionID=%5Bobject%20object%5D			RequestProperty: "Cookie", "sessionID : <sessionId>"
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
SessionID			
			<b>Response :</b>

## 2. Configure Input Channels

### 2.1. Select input channel routing

<b>API :</b>  \Config\MatrixRouter\InputChannel_#(channel number*)_RoutingSelection			Example – Select Analog channel (4 <sup>th</sup> ) at 28 <sup>th</sup> Input channel  <i>Input channel number – 28</i> <i>Value – 20 (Analog channel number 4)</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/InputChannel_28_RoutingSelection", "value":20,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number", "path": "/Config/MatrixRouter/ InputChannel_28_RoutingSelection", "value":20"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with actual channel number 0 –None	
value	0-71	1-16 -- AES 17-32 -- Analog 33-64 -- Blulink 65-66 -- USB 67-70 -- VoIP 71 – Signal generator	
Format	Number	Format type	

### 2.2. Configure/ Select Blulink channel

<b>API :</b>  \ Config\Blulink\Channel_#(blulink slot number)_InputAssignment			Example – Select blulink channel at 6 <sup>th</sup> Input channel  <i>Input channel number – 6</i> <i>Value – 256 (blulink channel number 4)</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/InputChannel_6_RoutingSelection", "value":38,"format":"Number"}, {"path":"/Config/Blulink/Channel_6_InputAssignment", "value":256,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number", "path": "/Config/MatrixRouter/ InputChannel_4_RoutingSelection", "value":17"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
blulink slot number	1-256	Blulink slot number to be replaced with actual blulink channel number	
value	33-64	Blulink channel number	
Format	Number	Format type	

## 2.3. Set preamp gain of analog input channel

<b>API :</b> \Config\AnalogSettings\Channel_#(channel number*)_InputGain			Example – Set preamp gain of Input channel 5 <i>channel number – 5</i> <i>Value – 18</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/AnalogSettings/Channel_5_InputGain","value": <b>18</b> ,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/AnalogSettings/Channel_5_InputGain","value": <b>"18"</b> }
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with actual channel number	
value	0-30	Gain value	
Format	Number	Format type	

## 2.4. Enable/Disable phantom power of input channel

<b>API :</b> \Config\AnalogSettings\Channel_#(channel number*)_PhantomPower .			Example – Enable Phantom power of Input channel 5  <i>channel number – 5</i> <i>Value – 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/AnalogSettings/Channel_5_PhantomPower","value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/AnalogSettings/Channel_5_PhantomPower","value": <b>"1"</b> }
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with actual channel number	
value	0 - 1	0 – disable 1-enable	
Format	Number	Format type	

## 3. Configure Output Channels

### 3.1. Select AES channel

<b>API :</b>  \Config\MatrixRouter\AES67_Out_#(AES channel number)_RoutingSelection			Example – Select AES channel (2 <sup>nd</sup> ) at 1 <sup>st</sup> Output channel  <i>AES channel number – 2</i> <i>value – 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/AES67_Out_2_RoutingSelection","value":1,"format":"Number"}]  <b>Response :</b>  set [{"path":"/Config/MatrixRouter/AES67_Out_2_RoutingSelection","value":1,"format":"Number"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
AES channel number	1-8	Aes channel number need to be replaced with actual channel number	
value	0-12	Output channel number	
Format	Number	Format type	

### 3.2. Select Analog channel

<b>API :</b>  \Config\MatrixRouter\Analog_Out_#(analog channel number)_RoutingSelection			Example – Select analog channel (8th) at 2 <sup>nd</sup> Output channel  <i>analog channel number – 8</i> <i>value – 2</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/Analog_Out_8_RoutingSelection","value":2,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/MatrixRouter/Analog_Out_8_RoutingSelection","value":2}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
analog channel number	1-8	analog channel number need to be replaced with actual channel number	
value	0-12	Output channel number	
Format	Number	Format type	

### 3.3. Select USB channel

<b>API :</b> \Config\MatrixRouter\USB_Out_#(USB channel number)_RoutingSelection			Example – Select USB channel (2nd) at 2nd Output channel  <i>USB channel number – 2</i> <i>value – 2</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{["path":"/Config/MatrixRouter/USB_Out_2_RoutingSelection","value":2,"format":"Number"]}</pre> <b>Response :</b>  @set <pre>{"format":"Number","path":"/Config/MatrixRouter/USB_Out_2_RoutingSelection","value":"2"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
USB channel number	1-2	analog channel number need to be replaced with actual channel number	
value	0-12	Output channel number	
Format	Number	Format type	

### 3.4. Select VoIP channel

<b>API :</b> \Config\MatrixRouter\VOIP_Out_#(voip channel number)_RoutingSelection			Example – Select VoIP channel (2nd) at 12 <sup>th</sup> Output channel  <i>VoIP channel number – 2</i> <i>value – 12</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{["path":"/Config/MatrixRouter/VOIP_Out_2_RoutingSelection","value":12,"format":"Number"]}</pre> <b>Response :</b>  @set <pre>{"format":"Number","path":"/Config/MatrixRouter/VOIP_Out_2_RoutingSelection","value":"12"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
voip channel number	1-4	voip channel number need to be replaced with actual channel number	
value	0-12	Output channel number	
Format	Number	Format type	

### 3.5. Select blulink slot number

<b>API :</b> \Config\MatrixRouter\Blulink_Out_#(blulink slot selection)_RoutingSelection			Example – Select VoIP channel (2nd) at 12 <sup>th</sup> Output channel  <i>VoIP channel number – 2</i> <i>value – 12</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/VOIP_Out_2_RoutingSelection","value":12,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/MatrixRouter/VOIP_Out_2_RoutingSelection","value":"12"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
blulink slot selection	1-32	blulink slot selection need to be replaced with actual blulink slot number	
value	0-12	Output channel number	
Format	Number	Format type	

### 3.6. Select Blulink channel

<b>API :</b> \Config\Blulink\Channel_#(blulink slot number)_OutputAssignment			Example – Select Blulink channel (3rd) at 12 <sup>th</sup> Output channel  <i>Blulink channel number – 3</i> <i>value – 12</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Blulink/Channel_1_OutputAssignment","value":3,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/MatrixRouter/BluLink_Out_1_RoutingSelection","value":"0"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
blulink slot number	1-256	blulink slot number need to be replaced with actual blulink channel number	
value	0-12	Output channel number	
Format	Number	Format type	

### 3.7. Set Polarity

<b>API :</b> \Config\Output#(output channel number)Level/Channel_1_Polarity			Example – Enable/Set polarity of output channel 4 <i>Output channel number – 4</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{{"path":"/Config/Output4Level/Channel_1_Polarity","value":1,"format":"Norm"}}</pre> <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/Output4Level/Channel_1_Polarity","value":"1"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Output channel number	1-12	Output channel number has to be replaced with actual Output channel number	
value	0-1	0- Off 1- On	
Format	Norm	Format type	

## 4. AEC Screen (Input channels)

### 4.1. Enable /Disable AEC

<b>API :</b>  \Config\MatrixRouter\Channel_#(channelnumber)_AECEnable			Example – Enable AES for Input channel 1 <i>channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/Channel_1_AECEnable","value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/MatrixRouter/Channel_1_AECEnable","value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channelnumber	1-12	channel number has to be replaced with actual input channel number	
value	0-1	On/Off	
Format	Norm	Format type	

### 4.2. Enable /Disable AGC

<b>API :</b>  \Config\MatrixRouter\Channel_#(channelnumber)_AGCEnable			Example – Enable AGS for Input channel 1 <i>channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/Channel_1_AGCEnable","value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/MatrixRouter/Channel_1_AGCEnable","value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channelnumber	1-12	channel number has to be replaced with actual input channel number	
value	0-1	On/Off	
Format	Norm	Format type	



### 4.3. Set Minimum gain of AGC

<b>API :</b> \Config\MatrixRouter\Channel_#(channel number)_AGC_MinGain			Example – Set minimum gain of AGC  <i>channel number – 3</i> <i>Value – (-20)</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{"path":"/Config/MatrixRouter/Channel_3_AGC_MinGain","value":"-20","format":"Default"}</pre> <b>Response :</b>  @set <pre>{"path":"/Config/MatrixRouter","value":{"Channel_3_AGC_MinGain":"-20dB"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-20) - 0		
Format	Default	Format type	

### 4.4. Set Maximum gain of AGC

<b>API :</b> \Config\MatrixRouter\Channel_#(channel number)_AGC_MaxGain			Example – Set maximum gain of AGC  <i>channel number – 3</i> <i>Value – 5</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{"path":"/Config/MatrixRouter/Channel_3_AGC_MaxGain","value":"5","format":"Default"}</pre> <b>Response :</b>  @set <pre>{"path":"/Config/MatrixRouter","value":{"Channel_3_AGC_MaxGain":"5dB"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	0 - 20		
Format	Default	Format type	

## 4.5. Set target level of AGC

<b>API :</b> \Config\MatrixRouter\Channel_#(channel number)_AGC_TargetLevel			Example – Set target level of AGC  <i>channel number – 3</i> <i>Value – (-13)</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/Channel_3_AGC_TargetLevel","value":-13,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/MatrixRouter/Channel_3_AGC_TargetLevel","value":-13"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-30) - 0		
Format	Number	Format type	

## 4.6. Set Activation threshold value of AGC

<b>API :</b> \Config\MatrixRouter\Channel_#(channel number)_AGC_ActivationThreshold			Example – Set activation threshold value of AGC  <i>channel number – 3</i> <i>Value – (-30)</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/Channel_3_AGC_ActivationThreshold","value":-30,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/MatrixRouter/Channel_3_AGC_ActivationThreshold","value":-30}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-60) – (-10)		
Format	Number	Format type	

## 4.7. Set NLP strength value of AGC

<b>API :</b> \Config\MatrixRouter\Channel_#(channel number)_TxNLPStrength			Example – Set activation threshold value of AGC  <i>channel number – 3</i> <i>Value – 70</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{"path":"/Config/MatrixRouter/Channel_3_TxNLPStrength","value":"70","format":"Number"}</pre> <b>Response :</b>  @set <pre>{"format":"Number","path":"/Config/MatrixRouter/Channel_3_TxNLPStrength","value":"70"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	0 - 80		
Format	Number	Format type	

## 4.8. Get ERL value of AGC

<b>API :</b> \Config\MatrixRouter\Channel_#(channel number)_ERL			Example – Get ERL value of channel 3  <i>channel number – 3</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get <pre>{"path":"/Config/MatrixRouter/Channel_3_ERL","format":"Norm"}</pre> <b>Response :</b>  @get <pre>{"format":"Norm","path":"/Config/MatrixRouter/Channel_3_ERL","value":"0"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-20) - 30		
Format	Norm	Format type	

## 4.9. Get ERLE value of AGC

<b>API :</b> \Config\MatrixRouter\Channel_#(channel number)_ERLE			Example – Get ERLE value of channel 3  <i>channel number – 3</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/MatrixRouter/Channel_3_ERLE", "format":"Norm"}]  <b>Response :</b>  @get {"format":"Norm","path":"/Config/MatrixRouter/Channel_3_ERLE","value":"0 "}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-20) - 30		
Format	Norm	Format type	

## 5. Automixer Screen

### 5.1. Set master gain

<b>API :</b>  /Config/MatrixRouter/AutoMixer_#(automixer number)_MasterGain			Example – Set master gain of Automixer 1 <i>automixer number – 1</i> <i>Value – 0.35</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterGain","value":"-35","format":"Default"}]  <b>Response :</b>  @set {"format":"Default","path":"/Config/MatrixRouter/AutoMixer_1_MasterGain","value":"-35"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	(-80) - 10		
Format	Default	Format type	

### 5.2. Get master level

<b>API :</b>  /Config/PeakMeters/AutoMixer_#(automixer number)_MasterLevel			Example – Get Master level of Automixer 1(read only)  <i>automixer number – 1</i> <i>Value – 0.35</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/PeakMeters/AutoMixer_1_MasterLevel","format":"Number"}]  <b>Response :</b>  @get {"format":"Number","path":"/Config/PeakMeters/AutoMixer_1_MasterLevel","value":"-80"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	(-80) - 10	Range	
Format	Number	Format type	

### 5.3. Mute master

<b>API :</b> /Config/MatrixRouter/AutoMixer_#(automixer number)_MasterMute			Example – Enable Mute <i>automixer number – 1</i> <i>Value – 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":1,"format":"Norm"}]  <b>Response :</b>  @set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":1,"format":"Norm"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0-1	on/off	
Format	Norm	Format type	

### 5.4. Set Ratio (Slope)

<b>API :</b> /Config/MatrixRouter/AutoMixer_#(automixer number)_Ratio			Example – Set ratio value <i>automixer number – 1</i> <i>value – 1.2</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/AutoMixer_1_Ratio","value":"1.2","format":"Number"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/MatrixRouter/AutoMixer_1_Ratio","value":"1.2"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	1-2		
Format	Number	Format type	

## 5.5. Set Speed

<b>API :</b> /Config/MatrixRouter/AutoMixer_#(automixer number)_Speed			Example – Set speed value <i>automixer number – 1</i> <i>Value – 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/AutoMixer_1_Speed","value":"0.58","format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/MatrixRouter/AutoMixer_1_Speed","value":"0.58"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0.05 - 10		
Format	Number	Format type	

## 5.6. Set Automixer Input gain

<b>API :</b> /Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Gain			Example – Set gain of input channel 2 of automixer 1  <i>channel number - 2</i> <i>automixer number – 1</i> <i>value – .44</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Gain","value":0.44,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Gain","value":"0.44"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value			
Format	Norm	Format type	

## 5.7. Mute Input channel of Automixer

<b>API :</b> /Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Mute			Example – Mute input channel 2 of Automixer 1 <i>Channel number - 2</i> <i>automixer number – 1</i> <i>Value – 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set <pre>{{"path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Mute","value":1,"format":"Norm"}}</pre> <b>Response :</b> @set <pre>{"format":"Norm","path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Mute","value":"1"}</pre>
channel number	1-12	channel number has to be replaced with actual input channel number	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0-1	Mute/Unmute	
Format	Norm	Format type	

## 5.8. Set Input channel OffGain of Automixer

<b>API :</b> /Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_OffGain			Example – Set OffGain of Automixer 1 of Input channel 1  Channel number – 1 Automixer number - 1
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set <pre>{{"path":"/Config/MatrixRouter/Input_1_AutoMixer_1_OffGain","value":"0","format":"Number"}}</pre> <b>Response :</b> @set <pre>{"format":"Number","path":"/Config/MatrixRouter/Input_1_AutoMixer_1_OffGain","value":"0"}</pre>
channel number	1-12	channel number has to be replaced with actual input channel number	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	(-40) – 0		
Format	Number		



## 5.9. Get Input channel OpenMeter of Automixer

<b>API :</b>  /Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_OpenMeter			Example –
<b>Parameters :</b>			<b>Query/Command :</b>  <b>Response :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number has to be replaced with actual input channel number	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0-1		
Format	Norm		

## 5.10. Set Input channel Override of Automixer

<b>API :</b> /Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Override			Example – Enable override of input channel 1 of automixer 1  <i>Channel number – 1</i> <i>Automixer number -1</i> <i>Value - 1</i>															
<b>Parameters :</b> <table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>channel number</td> <td>1-12</td> <td>channel number has to be replaced with actual input channel number</td> </tr> <tr> <td>automixer number</td> <td>1-4</td> <td>automixer number has to be replaced with actual automixer number</td> </tr> <tr> <td>value</td> <td>0-1</td> <td></td> </tr> <tr> <td>Format</td> <td>Norm</td> <td>Format type</td> </tr> </tbody> </table>			Name	Values/range	Description	channel number	1-12	channel number has to be replaced with actual input channel number	automixer number	1-4	automixer number has to be replaced with actual automixer number	value	0-1		Format	Norm	Format type	<b>Query/Command :</b>  set <pre>{{"path":"/Config/MatrixRouter/Input_1_AutoMixer_1_Override","value":1,"format":"Norm"}}</pre>  <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/MatrixRouter/Input_1_AutoMixer_1_Override","value":"1"}</pre>
Name	Values/range	Description																
channel number	1-12	channel number has to be replaced with actual input channel number																
automixer number	1-4	automixer number has to be replaced with actual automixer number																
value	0-1																	
Format	Norm	Format type																

## 5.11. Set Solo in Automixer

<b>API :</b> /Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Solo			Example – Activate Solo of input channel 2 of automixer 1  <i>Channel number – 2</i> <i>Automixer number -1</i> <i>Value - 1</i>															
<b>Parameters :</b> <table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>channel number</td> <td>1-12</td> <td>channel number has to be replaced with actual input channel number</td> </tr> <tr> <td>automixer number</td> <td>1-4</td> <td>automixer number has to be replaced with actual automixer number</td> </tr> <tr> <td>value</td> <td>0-1</td> <td></td> </tr> <tr> <td>Format</td> <td>Norm</td> <td>Format type</td> </tr> </tbody> </table>			Name	Values/range	Description	channel number	1-12	channel number has to be replaced with actual input channel number	automixer number	1-4	automixer number has to be replaced with actual automixer number	value	0-1		Format	Norm	Format type	<b>Query/Command :</b>  set <pre>{{"path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Solo","value":1,"format":"Norm"}}</pre>  <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Solo","value":"1"}</pre>
Name	Values/range	Description																
channel number	1-12	channel number has to be replaced with actual input channel number																
automixer number	1-4	automixer number has to be replaced with actual automixer number																
value	0-1																	
Format	Norm	Format type																

## 5.12. Set Automixer Input Connection

<b>API :</b> /Config/MatrixRouter/Automixer_#(automixer number)_Input_*(channel number)_Connection			Example – Select Input channel 2 to Automixer 1  Channel number – 2 Automixer number - 1
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set <pre> [{"path":"/Config/MatrixRouter/Automixer_1_Input_2_Connection","value":1,"format":"Norm"}] </pre> <b>Response :</b> <pre> @set {"format":"Norm","path":"/Config/MatrixRouter/Automixer_1_Input_2_Connection","value":"1"} </pre>
channel number	1-12	channel number has to be replaced with actual input channel number	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0-1		
Format	Norm	Format type	

## 5.13. Set Automixer Output Connection

<b>API :</b> /Config/MatrixRouter/Automixer_#(automixer number)_Output_*(channel number)_Connection			Example – Select Input channel 2 to Automixer 1  Channel number – 2 Automixer number - 1
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set <pre> [{"path":"/Config/MatrixRouter/Automixer_1_Output_2_Connection","value":1,"format":"Norm"}] </pre> <b>Response :</b> <pre> @set {"format":"Norm","path":"/Config/MatrixRouter/Automixer_1_Output_2_Connection","value":"1"} </pre>
channel number	1-12	channel number has to be replaced with actual input channel number	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0-1		
Format	Norm	Format type	

## 5.14. Set Automixer (1-4) name

<b>API :</b> /Config/MatrixRouter/Room_1_Name /Config/MatrixRouter/Room_2_Name /Config/MatrixRouter/Room_3_Name /Config/MatrixRouter/Room_4_Name			Example – Set name of Automixer 1 as “Meeting1”  <i>Value – Meeting1</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set <pre>{   "path": "/Config/MatrixRouter/Room_1_Name",   "value": "Conference1",   "format": "Default" }</pre> <b>Response :</b>  <pre>@set {   "path": "/Config/MatrixRouter",   "value": {     "Room_1_Name": "Conference1"   } }</pre>
value	string	any valid string	
Format	Default	Format type	

## 6. Control Compressor parameters

### 6.1. Set Bypass value

<b>API :</b>  /Config/Channel##(channel number)Compressor/Bypass			Example – Set Bypass value of channel 14  Channel number – 14 Value - 0
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{"path":"/Config/Channel14Compressor/Bypass", "value":0, "format":"Norm"}</pre> <b>Response :</b>  @set <pre>{"format":"Norm", "path":"/Config/Channel14Compressor/Bypass", "value":"0"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	13-28	Channel number has to be replaced by actual input channel number	
value	0-1	On/Off	
Format	Norm	Format type	

### 6.2. Set Threshold value

<b>API :</b>  /Config/Channel#(channel number)Compressor/Threshold			Example – Set threshold value of input channel 15  <i>Channel number – 15</i> <i>Value – 6</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{"path":"/Config/Channel15Compressor/Threshold", "value":"6", "format":"Number"}</pre> <b>Response :</b>  @set <pre>{"format":"Number", "path":"/Config/Channel15Compressor/Threshold", "value":"6"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	13 -28	Channel number has to be replaced by actual input channel number	
value	(-120) - 20	Value to be set	
Format	Number	Format type	

### 6.3. Set Ratio value

<b>API :</b> /Config/Channel#(channel number)Compressor/Ratio			Example – Set Ratio value of input channel 15  <i>Channel number – 15</i> <i>Value – 5</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> {"path":"/Config/Channel15Compressor/Ratio", "value":5,"format":"Number"} </pre> <b>Response :</b>  @set <pre> {"format":"Number","path":"/Config/Channel15 Compressor/Ratio","value":"5"} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	13 -28	Channel number has to be replaced by actual input channel number	
value	1 -18	Value to be set	
Format	Norm	Format type	

### 6.4. Set Gain value

<b>API :</b> /Config/Channel#(channel number)Compressor/Gain			Example – Set Gain value of input channel 15  <i>Channel number – 15</i> <i>Value – 19</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> {"path":"/Config/Channel15Compressor/Gain", value":"19","format":"Number"} </pre> <b>Response :</b>  @set <pre> {"format":"Number","path":"/Config/Channel15 Compressor/Gain","value":"19"} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	13 -28	Channel number has to be replaced by actual input channel number	
value	(-20) - 20	Value to be set	
Format	Number	Format type	

## 6.5. Get GainReduction value

<b>API :</b> /Config/Channel#(channel number)Compressor/GainReduction			Example – Read GainReduction of channel 14 (read only)  Channel number - 14
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Channel14Compressor/GainReduction","format":"Number"}]  <b>Response :</b>  @get {"format":"Number","path":"/Config/Channel14Compressor/GainReduction","value":"0"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	13 -28	Channel number has to be replaced by actual input channel number	
value	0 - 120	Value to be set	
Format	Norm	Format type	

## 6.6. Get InputLevel value

<b>API :</b> /Config/Channel#(channel number)Compressor/InputLevel			Example – Read InputLevel of channel 14 (read only)  Channel number - 14
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Channel14Compressor/InputLevel","format":"Number"}]  <b>Response :</b>  @get {"format":"Number","path":"/Config/Channel14Compressor/InputLevel","value":"0"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	13 -28	Channel number has to be replaced by actual input channel number	
value	(-120) - 0	Value to be set	
Format	Number	Format type	

## 6.7. Set Attack value

<b>API :</b>  /Config/Channel#(channel number)Compressor/Attack			Example – Set Attack value of Input channel 14  <i>Channel number – 14</i> <i>Value - 21</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{   "path": "/Config/Channel14Compressor/Attack",   "value": "21",   "format": "Number" }</pre> <b>Response :</b>  @set <pre>{   "format": "Number",   "path": "/Config/Channel14Compressor/Attack",   "value": "21" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	13 -28	Channel number has to be replaced by actual input channel number	
value	0-200	Value to be set	
Format	Number	Format type	

## 6.8. Set Release value

<b>API :</b>  /Config/Channel#(channel number)Compressor/Release			Example – Set Release value of input channel 14  Channel number – 14 Value - 1999
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{   "path": "/Config/Channel14Compressor/Release",   "value": "1999",   "format": "Number" }</pre> <b>Response :</b>  @set <pre>{   "format": "Number",   "path": "/Config/Channel14Compressor/Release",   "value": "1999" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	13 -28	Channel number has to be replaced by actual input channel number	
value	5-2000	Value to be set	
Format	Number	Format type	



## 7. Control Limiter parameters

### 7.1. Set Bypass value

<b>API :</b>  /Config/Output#(channel number)Limiter/Bypass			Example – Disable Bypass of Output channel 1  Channel number – 1 Value - 0
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Output1Limiter/Bypass","value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/Output1Limiter/Bypass","value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	Channel number has to be replaced by actual input channel number	
value	0-1	0 – enable 1- Disable	
Format	Norm	Format type	

### 7.2. Set Threshold value

<b>API :</b>  /Config/Output#(channel number)Limiter/Threshold			Example – Set threshold value of output channel 1  <i>Channel number – 11</i> <i>Value – 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Output1Limiter/Threshold","value":1,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/Output1Limiter/Threshold","value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-12	Channel number has to be replaced by actual output channel number	
value	(-120) - 20	Value to be set	
Format	Number	Format type	

### 7.3. Get GainReduction value

<b>API :</b> /Config/Output#(channel number)Limiter/GainReduction			Example – Read GainReduction of Output channel 1  Channel number – 1
<b>Parameters :</b>			<b>Query/Command :</b>  get <pre>{"path":"/Config/Output1Limiter/GainReduction","format":"Number"}</pre> <b>Response :</b>  @get <pre>{"format":"Number","path":"/Config/Output1Limiter/GainReduction","value":"0"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-12	Channel number has to be replaced by actual output channel number	
value	0 - 120	Value to be set	
Format	Number	Format type	

### 7.4. Get InputLevel value

<b>API :</b> /Config/Output#(channel number)Limiter/InputLevel			Example – Read InputLevel of Output channel 1  Channel number - 1
<b>Parameters :</b>			<b>Query/Command :</b>  get <pre>{"path":"/Config/Output1Limiter/InputLevel","format":"Number"}</pre> <b>Response :</b>  @get <pre>{"format":"Number","path":"/Config/Output1Limiter/InputLevel","value":"20"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-12	Channel number has to be replaced by actual output channel number	
value	(-120) - 20	Value to be set	
Format	Number	Format type	

## 7.5. Set Attack value

<b>API :</b> /Config/Output#(channel number)Limiter/Attack			Example – Set Attack value  Channel number – 3 Value - 999 ( 999 ms)
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{ "path": "/Config/Output3Limiter/Attack", "value": 999, "format": "Number" }</pre> <b>Response :</b>  @set <pre>{ "format": "Number", "path": "/Config/Output3Limiter/Attack", "value": "999" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-12	Channel number has to be replaced by actual output channel number	
value	0 - 1000	Display in millisecond (0 ms -1000 ms)	
Format	Number	Format type	

## 7.6. Set Release value

<b>API :</b> /Config/Output#(channel number)Limiter/Release			Example – Set Release value  Channel number – 3 Value - 999 ( 999 ms)
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{ "path": "/Config/Output3Limiter/Release", "value": 999, "format": "Number" }</pre> <b>Response :</b>  @set <pre>{ "format": "Number", "path": "/Config/Output3Limiter/Release", "value": "999" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-12	Channel number has to be replaced by actual output channel number	
value	0 – 1000	Display in millisecond (0 ms -1000 ms)	
Format	Number	Format type	

## 8. Configure channel – AES67

### 8.1. Set Frame Rate

<b>API :</b>  \Config\Channel#(channel number)Delay \FrameRate			Example – Set Frame rate of channel 3  Channel number – 3 Value – 24 FPS
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel3Delay/FrameRate","value":"24 FPS","format":"Default"}]  <b>Response :</b>  @set {"path":"/Config/Channel3Delay","value":{"FrameRate":"24 FPS"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	Channel number has to be replaced by actual input channel number	
value	24 FPS 30 FPS 60 FPS		
Format	Default	Format type	

### 8.2. Set DelayTime

<b>API :</b>  \Config\Channel#(channel number)Delay\DelayTime			Example – Set Delaytime of channel 3  Channel number – 3 Value - 0
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel3Delay/DelayTime","value":0,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/Channel3Delay/DelayTime","value":"0"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	Channel number has to be replaced by actual input channel number	
value	0 - 300		
Format	Number	Format type	

### 8.3. Set Processing

<b>API :</b> \Config\Channel#(channel number)\Processing			Example – Set processing  Channel number – 3 Value - 0
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/Channel3Delay/Processing","value":0,"format":"Number"} </pre> <b>Response :</b>  <pre> @set {"format":"Number","path":"/Config/Channel3Delay/Processing","value":"1"} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	Channel number has to be replaced by actual input channel number	
value	0 - 1		
Format	Number	Format type	

## 9. Schematic Screen

### 9.1. Get meter data of input channel before processing

<b>API :</b>  /Config/PeakMeters/In#(channel number)InputLevel			Example – Get meter data of Input channel 13  <i>Channel number - 13</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/PeakMeters/In13InputLevel", "format": "Number"}]  <b>Response :</b>  @get {"format":"Number", "path": "/Config/PeakMeters/In13InputLevel","value": "- 2"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	(-80) - 20	Value ranging -80 to 20db	

### 9.2. Get meter data of input channel after processing

<b>API :</b>  /Config/PeakMeters/In#(channel number)OutputLevel			Example – Get meter data of Input channel 13  <i>Channel number - 13</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/PeakMeters/In13OutputLevel", "format": "Number"}]  <b>Response :</b>  @get {"format":"Number", "path": "/Config/PeakMeters/In13OutputLevel","value": "- 2"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	(-80) - 20	Value ranging -80 to 20db	

### 9.3. Set Mute/Unmute of Input channel

<b>API :</b> <code>\Config\Channel#(channel number)Level\Mute</code>			Example – Set mute of input channel 2  <i>Channel number - 2</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel2Level/Mute","value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/Channel1Level/Mute","value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0-1	0– unmute 1-mute	

### 9.4. Set level of Input channel

<b>API :</b> <code>\Config\Channel#(channel number)Level\Level</code>			Example – Set level of input channel 2  <i>Channel number – 2</i> <i>Value – 0.68</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel1Level/Level","value":0.68,"format":"Norm"}] set [{"path":"/Config/Channel1Level/Level","value":20,"format":"Default"}] <b>Response :</b> @set {"format":"Norm","path":"/Config/Channel1Level/Level","value":"0.68"} @set {"format":"Default","path":"/Config/Channel1Level/Level","value":"20"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm, Default		
Value	0-1 (-80) – (+20)	values between 0 to 1 is mapped with -80db to +20db	

## 9.5. Enable PEQ of Input channel

<b>API :</b>  Config\Channel#(channel number)PEQ\ParametricEQ			Example – Enable PEQ of channel 1  <i>Channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/Channel1PEQ/ParametricEQ", "value":1,"format":"Norm"}]</pre> <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/Channel1PEQ/ParametricEQ","value":"1"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0-1	0 – Disable 1 - enable	

## 9.6. Enable Bypass (Compressor) of Input channel

<b>API :</b>  \Config\Channel#(channel number)Compressor\Bypass			Example – Enable Compressor of channel 14  Channel number – 14 Value - 0
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/Channel14Compressor/Bypass", "value":0,"format":"Norm"}]</pre> <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/Channel14Compressor/Bypass","value":"0"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0-1	0 – Enable 1-Disable	



## 9.7. Get meter data of output channel before processing

<b>API :</b>  /Config/PeakMeters/Out#{channel number)InputLevel			Example – Get meter data of Output channel 1  <i>Channel number - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/PeakMeters/Out1InputLevel", "format": "Number"}]  <b>Response :</b>  @get {"format":"Number", "path": "/Config/PeakMeters/Out1InputLevel ", "value":"-2"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	(-80) - 20	Value ranging -80 to 20db	

## 9.8. Get meter data of output channel after processing

<b>API :</b>  /Config/PeakMeters/Out#{channel number)OutputLevel			Example – Get meter data of Output channel 1  <i>Channel number - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/PeakMeters/Out1OutputLevel", "format": "Number"}]  <b>Response :</b>  @get {"format":"Number", "path": "/Config/PeakMeters/Out1OutputLevel", "value":"-2"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	(-80) - 20	Value ranging -80 to 20db	

## 9.9. Set Mute/Unmute of output channel

<b>API :</b>			Example – Set Unmute of output channel 1
\Config\Output#(channel number)Level\Mute			<i>Channel number – 1</i> <i>Value - 0</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set
channel number	1-12	channel number need to be replaced with corresponding input channel number	["path":"/Config/Output1Level/Mute","value":0,"format":"Norm"]
Format	Norm		<b>Response :</b>
Value	0-1	0-UnMute 1-mute	@set {"format":"Norm","path":"/Config/Output1Level/Mute","value":"0"}

## 9.10. Set level (Gain) of output channel

<b>API :</b>			Example – Set level of output channel 1
\Config\Output#(channel number)Level\Gain			<i>Channel number – 1</i> <i>Value – 0.97</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set set
channel number	1-12	channel number need to be replaced with corresponding input channel number	["path":"/Config/Output1Level/Gain","value":0,"format":"Default"]
Format	Default		<b>Response :</b>
Value	(-80) - 20	Value ranging -80 to 20db	@set {"format":"Default","path":"/Config/Output1Level/Gain","value":"0"}

## 9.11. Enable PEQ of Input channel

<b>API :</b>  Config\Channel#(channel number)PEQ\ParametricEQ			Example – Enable PEQ of Input channel 1  <i>Channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>["path":"/Config/Channel1PEQ/ParametricEQ", "value":1,"format":"Norm"]</pre> <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/Channel1PEQ/ParametricEQ","value":"1"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0-1	0-Disable 1-Enable	

## 9.12. Enable Bypass (Compressor) of Input channel

<b>API :</b>  \Config\Channel#(channel number)Compressor\Bypass			Example – Enable Bypass (compressor) of Input channel 14  <i>Channel number – 14</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>["path":"/Config/Channel14Compressor/Bypass", "value":1,"format":"Norm"]</pre> <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/Channel14Compressor/Bypass","value":"1"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	14-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0-1	0-Disable 1-Enable	

## 10. PEQ Screen

### 10.1. Set HPFrequency of Input channel

<b>API :</b>			Example – Set HPFrequency of input channel 2
\Config\Channel#(channel number)HighPass\Channel_1_HPFrequency			<i>Channel number – 2</i> <i>Value - 60</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set
channel number	1-28	channel number need to be replaced with corresponding input channel number	[{"path":"/Config/Channel2HighPass/Channel_1_HPFrequency","value":60,"format":"Number"}]
Format	Number		<b>Response :</b>
Value	15.9 - 20000		@set { "format":"Number","path":"/Config/Channel2HighPass/Channel_1_HPFrequency","value":"60" }

### 10.2. Set HPTYPE of Input channel

<b>API :</b>			Example –
\Config\Channel#(channel number)HighPass\Channel_1_HPTYPE			
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	<b>Response :</b>
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	BS 6 - LR 24	( BS 6 BS 12 BS 18 BS 24 BW 6 BW 12 BW 18 BW 24	

		LR 12 LR 24 )	
--	--	---------------------	--

### 10.3. Enable/Disable ParametricEQ of Input channel

<b>API :</b>  \Config\Channel#(channel number)PEQ\ParametricEQ			Example – Disable ParametericEQ of input channel 1  <i>Channel number -1</i> <i>Value -0</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel1PEQ/ParametricEQ","value":0,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/Channel1PEQ/ParametricEQ","value":"0"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0-1	Enable/Disable	

### 10.4. Reset/Restore all 4 bands value of Input channel

<b>API :</b>  \Config\Channel#(channel number)PEQ\Flatten			Example – Reset all 4 bands  <i>Channel number -1</i> <i>Value -flat</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel1PEQ/Flatten","value":"Flat","format":"Default"}]  <b>Response :</b>  @set {"path":"/Config/Channel1PEQ","value":{"Flatten":"Flat"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Default		
Value	Flat, Restore	Reset or restore	

## 10.5. Set Frequency of Band (1-4) of Input channel

<b>API :</b>  \Config\Channel#(channel number)PEQ\Band_#(band number)_Frequency			Example – Set Frequency of Band 1 of input channel 1  <i>Channel number -1</i> <i>Band number -1</i> <i>Value - 3340</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel1PEQ/Band_1_Frequency","value":3338,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/Channel1PEQ/Band_1_Frequency","value":"3340"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	20-20000		
band number	1-4		

## 10.6. Set Gain of Band (1-4) of Input channel

<b>API :</b>  \Config\Channel#(channel number)PEQ\Band_#(band number)_Gain			Example – Set Gain of Band 1 of Channel 1  Channel number – 1 Band number - 1 Value 8.49
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel1PEQ/Band_1_Gain","value":8.49,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/Channel1PEQ/Band_1_Gain","value":"8.5"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	(-20) - 20	-20 dB to +20 dB	
Band number	1-4		

## 10.7. Set Q of Band (1-4) of Input channel

<b>API :</b>  \Config\Channel#(channel number)PEQ\Band_#(band number)_Q			Example – Set Q ( width) of Band 1 of Channel 1  Channel number – 1 Band number – 1 Value – 2.76
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel1PEQ/Band_1_Q","value":2.76,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/Channel1PEQ/Band_1_Q","value":"2.76"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0.1 -128		
Band number	1-4		

## 10.8. Set Slope of Band (1-4) of Input channel

<b>API :</b>  \Config\Channel#(channel number)PEQ\Band_#(band number)_Slope			Example – Set Slope of Band 4 of Input channel 2  Channel number – 2 Band number – 4 Value – 3.3
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Channel2PEQ/Band_4_Slope","value":3.3,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/Channel2PEQ/Band_4_Slope","value":"3.3"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	3-15		
Band number	1-4		

## 10.9. Set Type of Band (1-4) of Input channel

<b>API :</b> \Config\Channel#(channel number)PEQ\Band_#(band number)_Type			Example – Set Type of Band of PEQ of Input channel 1  Channel number – 1 Band number – 1 Value – “Bell”
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>["path":"/Config/Channel1PEQ/Band_1_Type", "value":"Bell", "format":"Default"]</pre> <b>Response :</b>  <pre>@set {"path":"/Config/Output1PEQ", "value":{"Band_1_Type":"Bell"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Default		
Value	{Bell, Low, Shelf, High Shelf}		
Band number	1-4		

## 10.10. Set HPFrequency of Output channel

<b>API :</b> \Config\Output#(channel number)HighPass\Channel_1_HPFrequency			Example – Set HPFrequency of Output channel 1  <i>Channel number – 1</i> <i>Value – 24.6</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>["path":"/Config/Output1HighPass/Channel_1_HPFrequency", "value":"0.12", "format":"Norm"]</pre> <b>Response :</b>  <pre>@set {"format":"Norm", "path":"/Config/Output1HighPass/Channel_1_HPFrequency", "value":"24.6"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	15.9 - 20000		



## 10.11. Set HPTYPE of Output channel

<b>API :</b>  \Config\Output#(channel number)HighPass\Channel_1_HPType			<b>Example –</b>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	<b>Response :</b>
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	BS 6 - LR 24	( BS 6 BS 12 BS 18 BS 24 BW 6 BW 12 BW 18 BW 24 LR 12 LR 24 )	

## 10.12. Enable/Disable ParametricEQ of Output channel

<b>API :</b> \Config\Output#(channel number)PEQ\ParametricEQ			Example – Disable ParametericEQ of output channel 1  <i>Channel number -1</i> <i>Value -0</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Output1PEQ/ParametricEQ","value":0,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/Output1PEQ/ParametricEQ","value":"0"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	0-1	Enable/Disable	

## 10.13. Reset/Restore all 4 bands value of Output channel

<b>API :</b> \Config\Output#(channel number)PEQ\Flatten			Example – Reset all 4 bands  <i>Channel number -1</i> <i>Value -flat</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Output1PEQ/Flatten","value":"Flat","format":"Default"}]  <b>Response :</b>  @set {"path":"/Config/Output1PEQ","value":{"Flatten":"Flat"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Default		
Value	Flat, Restore	Reset or restore	

## 10.14. Set Frequency of Band (1-4) of Output channel

<b>API :</b> \Config\Output#(channel number)PEQ\Band_#(band number)_Frequency			Example – Set Frequency of
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Output1PEQ/Band_1_Frequency","value":"49","format":"Number"}]  <b>Response :</b>  @set {"format":" Number","path":"/Config/Output1PEQ/Band_1_Frequency","value":"49"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	20-20000		
Band number	1-4		

## 10.15. Set Gain of Band (1-4) of Output channel

<b>API :</b> \Config\Output#(channel number)PEQ\Band_#(band number)_Gain			Example – Set Gain of Band 1 of Output channel 1  Channel number – 1 Band number - 1
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Output1PEQ/Band_1_Gain","value":"10","format":"Number"}]  <b>Response :</b>  @set {"format":" Number","path":"/Config/Output1PEQ/Band_1_Gain","value":"10"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	(-20) - 20	decimal values within range accepted	
Band number	1-4		

## 10.16. Set Q of Band (1-4) of Output channel

<b>API :</b> \Config\Output#(channel number)PEQ\Band_#(band number)_Q			Example – Set Q (width) of Band 1 of Output channel 1 (PEQ)
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Output1PEQ/Band_1_Q","value":1.86,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/Output1PEQ/Band_1_Q","value":"1.84"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	0.1 - 128		
Band number	1-4		

## 10.17. Set Slope of Band (1-4) of Output channel

<b>API :</b> \Config\Output#(channel number)PEQ\Band_#(band number)_Slope			Example – Set Slope value of band 1 of output channel 1 ( PEQ)
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/Output1PEQ/Band_1_Slope","value":3.3,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/Output1PEQ/Band_1_Slope","value":"3.3"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
Value	3 -15		
Band number	1-4		

## 10.18. Set Type of Band (1-4) of Output channel

<b>API :</b> \Config\Output#(channel number)PEQ\Band_#(band number)_Type			Example – Set Type of Band of PEQ of Output channel 1  Channel number – 1 Band number – 1 Value – “Bell”
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/Output1PEQ/Band_1_Type","value":"Bell","format":"Default"}]</pre> <b>Response :</b>  <pre>@set {"path":"/Config/Output1PEQ","value":{"Band_1_Type":"Bell"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	{Bell, Low, Shelf, High Shelf}		
Band number	1-4		

# 11. Configure Matrix Router

## 11.1. Select/Assign channel in Input channel (1-28)

Please refer 2.1

## 11.2. Select/Assign channel in Output channel (1-12)

Please refer 3.0

## 11.3. Select/Assign input channel in Automixer (1-4)

<b>API :</b> /Config/MatrixRouter/Automixer_#(auto mixer number)_Input_#(channel number**)_Connection			Example – Assign Input channel 5 to Automixer 1 (i.e. Conference 1)  <i>Channel number -5</i> <i>Automixer number -1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/Automixer_1_Input_5_Connection","value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/MatrixRouter/Automixer_1_Input_5_Connection","value":"1"}
Name	Values/range	Description	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0-1	Remove/Add from auromixer group	
Automixer number	1-4		

## 11.4. Select/Assign output channel in Automixer (1-4)

<b>API :</b> /Config/MatrixRouter/Automixer_#(auto mixer number)_Output_#(channel number**)_Connection			Example – Assign output channel 7 to Automixer 3 (i.e. Conference 3)  <i>Channel number -7</i> <i>Automixer number -3</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set <pre> [{"path":"/Config/MatrixRouter/Automixer_3_Output_7_Connection","value":1,"format":"Norm"}] </pre> <b>Response :</b>  <pre> @set {"format":"Norm","path":"/Config/MatrixRouter/Automixer_3_Output_7_Connection","value":"1"} </pre>
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Norm		
Value	0-1	Remove/Add from automixer group	
Auto mixer number	1-4	Auto mixer number has to be replaced with actual automixer number (conference number)	

## 11.5. Set MasterGain of Automixer (1-4) (Same as section 5.1)

<b>API :</b> /Config/MatrixRouter/AutoMixer_#(automixer number)_MasterGain			Example – Set master gain of Automixer 1  <i>auto mixer number -1</i> <i>Value - .98</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set <pre> [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterGain","value":"1","format":"Number"}] </pre> <b>Response :</b>  <pre> @set {"format":"Number","path":"/Config/MatrixRouter/AutoMixer_1_MasterGain","value":"1"} </pre>
Auto mixer number	1-4	Auto mixer number has to be replaced with actual automixer number (conference number)	
Format	Number		
Value	(-80) – (10)		

## 11.6. Set Speed of Automixer (1-4) (Same as section 5.5)

<b>API :</b>  /Config/MatrixRouter/Automixer_#(automixer number)_Speed			Example – Set Speed value of Automixer 1  Automixer number – 1 Value – 0.05
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/MatrixRouter/AutoMixer_1_Speed","value":"0","format":"Number"}]</pre> <b>Response :</b>  @set <pre>{"format":"Number","path":"/Config/MatrixRouter/AutoMixer_1_Speed","value":"0.05"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Auto mixer number	1-4	Auto mixer number has to be replaced with actual automixer number (conference number)	
Format	Number		
Value	0.05 - 10		

## 11.7. Set Ratio (Slope) of Automixer (1-4) (Same as section 5.4)

<b>API :</b>  /Config/MatrixRouter/Automixer_#(automixer number)_Ratio			Example – Set ratio value <i>automixer number – 1</i> <i>value – 1.4</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/MatrixRouter/AutoMixer_1_Ratio","value":"1.4","format":"Number"}]</pre> <b>Response :</b>  @set <pre>{"format":"Number","path":"/Config/MatrixRouter/AutoMixer_1_Ratio","value":"1.4"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Auto mixer number	1-4	Automixer number has to be replaced with actual automixer number (conference number)	
Format	Number		
Value	1 -2		



## 11.8. Mute Automixer (1-4) (Same as section 5.3)

<b>API :</b>  /Config/MatrixRouter/Automixer_#{automixer number}_MasterMute			Example – Mute Automixer 1  <i>auto mixer number -1</i> <i>value -1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Auto mixer number	1-12	Auto mixer number has to be replaced with actual automixer number (conference number)	
Format	Norm		
Value	0-1	0 – Unmute 1- Mute	

## 12. BLU Link Settings

### 12.1. Read version

<b>API :</b> /Config/Blulink/Version			Example – Read blu link version
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Blulink/Version","format":"Default"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		<b>Response :</b>

### 12.2. Read Master MAC address

<b>API :</b> /Config/Blulink/MasterMacAddr			Example – Read master MAC address
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Blulink/MasterMacAddr","format":"Default"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		<b>Response :</b>

### 12.3. Read Master Priority

<b>API :</b> /Config/Blulink/MasterPriority			Example –
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Blulink/MasterPriority","format":"Number"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Number		<b>Response :</b>  @get {"format":"Number","path":"/Config/Blulink/MasterPriority","value":"64"}

## 12.4. Read Sample Rate

<b>API :</b> /Config/Blulink/SampleRate			Example –
<b>Parameters :</b>			<b>Query/Command :</b>  get <pre>{ "path": "/Config/Blulink/SampleRate", "format": "Default" }</pre> <b>Response :</b>  @get <pre>{ "format": "Default", "path": "/Config/Blulink/SampleRate ", "value": "48 kHz" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		

## 12.5. Set Priority

<b>API :</b> /Config/Blulink/Priority			Example – Set Priority value  <i>Value - 37</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{ "path": "/Config/Blulink/Priority", "value": 37, "format": "Number" }</pre> <b>Response :</b>  @set <pre>{ "format": "Number", "path": "/Config/Blulink/Priority", "value": "37" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
value	0-254		

## 12.6. Read Input port status

<b>API :</b> /Config/Blulink/InputPortStatus			Example – Read input port status
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Blulink/InputPortStatus","format":"Default"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		<b>Response :</b>  @get {"format":"Default","path":"/Config/Blulink/InputPortStatus","value":"NotConnected"}

## 12.7. Read Output port status

<b>API :</b> /Config/Blulink/OutputPortStatus			Example – Read output port status
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Blulink/OutputPortStatus","format":"Default"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		<b>Response :</b>  @get {"format":"Default","path":"/Config/Blulink/OutputPortStatus","value":"NotConnected"}

## 12.8. Read Input correct count

<b>API :</b> /Config/Blulink/InputCorrectCount			Example –
<b>Parameters :</b>			<b>Query/Command :</b>  get <pre>["path":"/Config/Blulink/InputCorrectedCount", "format":"Number"]</pre> <b>Response :</b>  @get <pre>{"format":"Number","path":"/Config/Blulink/Inp utCorrectedCount","value":"0"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Number		

## 12.9. Read Output correct count

<b>API :</b> /Config/Blulink/OutputCorrectCount			Example – Read output correct count
<b>Parameters :</b>			<b>Query/Command :</b>  get <pre>["path":"/Config/Blulink/OutputCorrectedCount ","format":"Number"]</pre> <b>Response :</b>  @get <pre>{"format":"Number","path":"/Config/Blulink/Out putCorrectedCount","value":"0"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Number		

## 12.10. Read Input error count

<b>API :</b> /Config/Blulink/InputErrorCount			Example – Read Input error count
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Blulink/InputErrorCount","format":"Number"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
			<b>Response :</b>  @get {"format":"Number","path":"/Config/Blulink/InputErrorCount","value":"0"}

## 12.11. Read Output error count

<b>API :</b> /Config/Blulink/OutputErrorCount			Example – Read Output error count
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/Blulink/OutputErrorCount","format":"Number"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
			<b>Response :</b>  @get {"format":"Number","path":"/Config/Blulink/OutputErrorCount","value":"0"}

## 12.12. Reset Input error

<b>API :</b> /Config/Blulink/InputErrorReset			Example – Reset Input error count
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/Blulink/InputErrorReset","value":1,"format":"Number"}]</pre> <b>Response :</b>  @set <pre>{"format":"Number","path":"/Config/Blulink/InputErrorReset","value":"0"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
Value	1		

## 12.13. Reset Output error

<b>API :</b> /Config/Blulink/OutputErrorReset			Example – Reset output error count
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/Blulink/OutputErrorReset","value":1,"format":"Number"}]</pre> <b>Response :</b>  @set <pre>{"format":"Number","path":"/Config/Blulink/OutputErrorReset","value":"0"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		

## 13. Device Settings

### 13.1. Disable/Set Home screen timeout value

<b>API :</b>  /Home Screen Timeout			Example – Set “3 min” as home screen timeout value  <i>Value – 3 min</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Home Screen Timeout","value":"3 min","format":"Default"}]  <b>Response :</b>  publish {"path":"/","value":{"Home Screen Timeout":"3 min"}} @set {"path":"/","value":{"Home Screen Timeout":"3 min"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
value	Disabled 10 min 5 min 4 min 3 min 2 min 1 min 30 sec 10 sec		

### 13.2. Disable/Set Backlight timeout value

<b>API :</b>  /Backlight Timeout			Example – Set “30 sec” as home screen timeout value  <i>Value – 3 sec</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Backlight Timeout","value":"30 sec","format":"Default"}]  <b>Response :</b>  publish {"path":"/","value":{"Backlight Timeout":"30 sec"}} @set {"path":"/","value":{"Backlight Timeout":"30 sec"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
value	Disabled 10 min 5 min 4 min 3 min 2 min 1 min 30 sec 10 sec		



### 13.3. Lock/Unlock Front panel

<b>API :</b> /Front Panel Lockout			Example – Lock front panel  <i>Value – Locked</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Front Panel Lockout","value":"Locked","format":"Default"}]  <b>Response :</b>  @set {"path":"/","value":{"Front Panel Lockout":"Locked"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
value	Locked Unlocked		

### 13.4. Subscribe Firmware update status

<b>API :</b> /fwUpdStatus			Example – Subscribe firmware update status  <i>Value – Locked</i>
<b>Parameters :</b>			<b>Query/Command :</b>  subscribe [{"path":"/fwUpdStatus","format":"Number"}]  <b>Response :</b>  @subscribe {"format":"Number","path":"/fwUpdStatus","value":"0"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Number		

### 13.5. Subscribe / Unsubscribe version value

<b>API :</b> /commonConfig/version			Example – Subscribe version value
<b>Parameters :</b>			<b>Query/Command :</b>  subscribe [{"path":"/fwUpdStatus","format":"Number"}]  <b>Response :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format			

## 14. Exec Commands

### 14.1. Save Configuration

<b>API :</b>  Path - / Command - ConfigBackup			Example – Save Configuration  <i>Arguments – name of configuration ( i.e. Test)</i>
<b>Parameters :</b>			<b>Query/Command :</b>  exec <pre>{ "path": "/", "command": "ConfigBackup", "arguments": "Test" }</pre> <b>Response :</b>  <pre>@exec { "arguments": "Command OK", "command": "ConfigBackup", "path": "/" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Arguments	string name of the configuration		

### 14.2. Restore Configuration

<b>API :</b>  Path - / Command - ConfigRestore			Example – Restore/Load some existing configuration  <i>Arguments – configuration name</i>
<b>Parameters :</b>			<b>Query/Command :</b>  exec <pre>{ "path": "/", "command": "ConfigRestore", "arguments": "Test" }</pre> <b>Response :</b>  <pre>@exec { "arguments": "Test", "command": "ConfigRestore", "path": "/" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Arguments	string name of the configuration		

### 14.3. Create Configuration

<b>API :</b>  Path - / Command - ConfigCreate			Example – Create new configuration  <i>Arguments – name of configuration (i.e. temp)</i>				
<b>Parameters :</b>			<b>Query/Command :</b>  exec <pre>{ "path": "/", "command": "ConfigCreate", "arguments": "Temp" }</pre> <b>Response :</b>  @exec <pre>{ "arguments": "Temp", "command": "ConfigCreate", "path": "/" }</pre>				
<table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Arguments</td> <td>string name of the configuration</td> <td></td> </tr> </tbody> </table>	Name	Values/range		Description	Arguments	string name of the configuration	
Name	Values/range	Description					
Arguments	string name of the configuration						

### 14.4. Validate Configuration

<b>API :</b>  Path - / Command - ConfigValidate			Example –  <i>arguments - filename + extension</i>				
<b>Parameters :</b>			<b>Query/Command :</b>  exec { "path": "/", "command": " ConfigValidate", "arguments": "Sample.dnp" }  <b>Response :</b>				
<table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Arguments</td> <td>string name of the configuration</td> <td></td> </tr> </tbody> </table>	Name	Values/range		Description	Arguments	string name of the configuration	
Name	Values/range	Description					
Arguments	string name of the configuration						

## 14.5. Rename Configuration

<b>API :</b>  Path - / Command - ConfigRename			Example – Rename existing configuration ( “Entour” to “Rumble”)  <i>Arguments – [“old name”, “new name”]</i>
<b>Parameters :</b>			<b>Query/Command :</b>  exec <pre>{ "path": "/", "command": "ConfigRename", "arguments": ["Entour", "Rumble"] }</pre> <b>Response :</b>  <pre>@exec { "arguments": "Command OK", "command": "ConfigRename", "path": "/" }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Arguments	string name of the configuration		

## 14.6. Reconfigure mono-stereo

<b>API :</b>  Path - / Command - reconfigure			Example – Rename existing configuration ( “Entour” to “Rumble”)  <i>Arguments – “{‘version’: 1, ‘inputs’: {‘1’: {}, ‘2’: {}, ‘3’: {}, ‘4’: {}}, ‘13’: {}, ‘14’: { ‘linkage’: 0}, ‘15’: { ‘linkage’: 1}, ‘16’: {}, ‘17’: { ‘linkage’: 0}, ‘18’: { ‘linkage’: 1}, ‘19’: {}, ‘20’: {} }, ‘outputs’: {‘1’: {}, ‘2’: {}, ‘3’: { ‘linkage’: 0}, ‘4’: { ‘linkage’: 1}, ‘5’: {}, ‘6’: { ‘linkage’: 0}, ‘7’: { ‘linkage’: 1}, ‘8’: {}, ‘9’: {}, ‘10’: {}, ‘11’: {}, ‘12’: {} } }”</i>
<b>Parameters :</b>			<b>Query/Command :</b>   <b>Response :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Arguments	string	json string representing the configuration	

## 14.7. Change password

<b>API :</b>  Path - / Command – pwd			Example – Change password “ <i>Arguments – [“username, “new password”]</i>						
<b>Parameters :</b>  <table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Argument s</td> <td>string</td> <td>json string representing the configuration</td> </tr> </tbody> </table>			Name	Values/range	Description	Argument s	string	json string representing the configuration	<b>Query/Command :</b>  exec <pre>{ "path": "/", "command": "pwd", "arguments": ["administrator", "admin"] }</pre> <b>Response :</b>  <pre>@exec { "arguments": "Password set OK", "command": "pwd", "path": "/" }</pre>
Name	Values/range	Description							
Argument s	string	json string representing the configuration							

## 14.8. Login

<b>API :</b>  Path - / Command – login			Example – Change password “ <i>Arguments – [“username, “password”]</i>						
<b>Parameters :</b>  <table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Argument s</td> <td>string</td> <td></td> </tr> </tbody> </table>			Name	Values/range	Description	Argument s	string		<b>Query/Command :</b>  exec <pre>{ "path": "/", "command": "login", "arguments": ["administrator", "admin"] }</pre> <b>Response :</b>
Name	Values/range	Description							
Argument s	string								

## 14.9. Start firmware update

<b>API :</b> Path - / Command - fwupdate			Example – Start firmware update “ <i>Arguments – ['start',fwupdate file URL]</i>
<b>Parameters :</b>			<b>Query/Command :</b>  exec {"path":"/","command":"fwupdate","arguments":"start"}  <b>Response :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Argument s	start	string	

## 14.10. Cancel firmware update

<b>API :</b> Path - / Command - fwupdate			Example – Cancel firmware update “ <i>Arguments – ['cancel']</i>
<b>Parameters :</b>			<b>Query/Command :</b>  exec {"path":"/","command":"fwupdate","arguments":"cancel"}  <b>Response :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Argument s	cancel	string	

## 14.11. Locate On/Off

<b>API :</b> Path - / Command - locate			Example – Locate the device “ <i>Arguments – ['on']</i>
<b>Parameters :</b>			<b>Query/Command :</b>  exec <pre>{"path":"/","command":"locate","arguments":"On"}</pre> <b>Response :</b>  <pre>@exec {"arguments":"locate On","command":"locate","path":"/"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Argument s	On -Off		

## 14.12. Factory reset

<b>API :</b> Path - / Command - factoryreset			Example – Factory reset  <i>Arguments – ['on']</i>
<b>Parameters :</b>			<b>Query/Command :</b>  exec <pre>{"path":"/","command":"factoryreset","arguments":"On"}</pre> <b>Response :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Argument s	On		

## 14.13. Change IP Address

<b>API :</b> Path - /commonConfig Command – setip			Example – Change the IP Address of device  <i>Arguments – { "name" : "eth0", "mac" : "00:0f:d4:01:e7:81", "ipv4" : "10.34.6.98", "subnet" : "255.255.255.0", "gateway" : "10.34.6.1", "dhcp" : true, "ipv" : "v4" }</i>
<b>Parameters :</b>			<b>Query/Command :</b>   <b>Response :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Argument s	On	json string with network	

## 15. Network Settings

### 15.1. Network configuration of Port A (AES67)

<b>API :</b> Path - /commonConfig Command - setip			Example – Change network settings  <i>Arguments –</i>
<b>Parameters :</b>			<b>Query/Command :</b>
Name	Values/range	Description	
Arguments	string		exec <pre>{   "path": "/commonConfig",   "command": "setip",   "arguments": {     "mac": "00:0F:D4:01:E7:BA",     "ipv6": "",     "ipv": "v4",     "dhcp": false,     "ipv4": "10.90.76.167",     "subnet": "255.255.254.0",     "gateway": "10.90.76.1",     "name": "eth0"   } }</pre> <b>Response :</b>  <pre>@exec {   "arguments": "Setip name:eth0   mac:00:0F:D4:01:E7:BA   ipv4:10.90.76.167   subnet:255.255.254.0   gateway:10.90.76.1   dhcp:false   ipv:v4   ipv6:",   "command": "setip",   "path": "/commonConfig" }</pre> publish <pre>{   "format": "Norm",   "path": "/commonConfig/networkInterfaces/i1/dhcp",   "value": "0" }</pre>

### 15.2. Network Configuration of Port B (VoIP)

<b>API :</b> Path - /commonConfig Command - setip			Example – Change network settings of Port B  <i>Arguments –</i>
<b>Parameters :</b>			<b>Query/Command :</b>
Name	Values/range	Description	
Arguments	string		exec <pre>{   "path": "/commonConfig",   "command": "setip",   "arguments": {     "mac": "",     "ipv6": "",     "ipv": "v4",     "dhcp": true,     "ipv4": "",     "subnet": "",     "gateway": "",     "name": "eth1"   } }</pre> <b>Response :</b>



## 16. VoIP settings (VoIP Screen)

### 16.1. Get account status

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_AccountStatus			Example – Get status of channel 4  <i>Channel number – 4</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get <pre>[{"path":"/Config/VoIP/Channel_4_AccountStatus","format":"Default"}]</pre> <b>Response :</b>  @get <pre>{"path":"/Config/VoIP","value":{"Channel_4_AccountStatus":"NotRegistered (0)"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	

### 16.2. Set user name

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_UserName			Example – Set user name of channel 1  <i>Channel number – 1</i> <i>Value - ravikant</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/VoIP/Channel_1_UserName","value":"RaviKant","format":"Default"}]</pre> <b>Response :</b>  publish <pre>{"path":"/Config/VoIP","value":{"Channel_1_UserName":"RaviKant"}}</pre> @set <pre>{"path":"/Config/VoIP","value":{"Channel_1_UserName":"RaviKant"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	String	Valid string value	

### 16.3. Set Authentication user name

<b>API :</b> /Config/VoIP/Channel_#(channel number)_AuthUser			Example – Set Authentication name for VoIP channel 1  <i>Channel number – 1</i> <i>Value – VoIP1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_AuthUser","value":"VoIP1","format":"Default"}] </pre> <b>Response :</b>  <pre> @set {"path":"/Config/VoIP","value":{"Channel_1_AuthUser":"VoIP1"}} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default String	Valid string value	

### 16.4. Set Password

<b>API :</b> /Config/VoIP/Channel_#(channel number)_AuthPassword			Example – Set password of VoIP channel 1  <i>Channel number – 1</i> <i>Password - Test</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_AuthPassword","value":"Test","format":"Default"}] </pre> <b>Response :</b>  <pre> @set {"path":"/Config/VoIP","value":{"Channel_1_AuthPassword":"Test"}} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default String	Valid string value	

## 16.5. Set Display name

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_ DisplayName			Example – Set Display name of VoIP 1  <i>Channel number – 1</i> <i>Value - DCP</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_DisplayName", "value":"DCP","format":"Default"}] </pre> <b>Response :</b>  <pre> @set {"path":"/Config/VoIP","value":{"Channel_1_DisplayName":"DCP"}} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default  String	  Valid string value	

## 16.6. Set Domain value

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_ Domain			Example – Set domain value of VoIP 1  <i>Channel number – 1</i> <i>Value – dcp.voip.server</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_Domain", "value":"dcp.voip.server","format":"Default"}] </pre> <b>Response :</b>  <pre> @set {"path":"/Config/VoIP","value":{"Channel_1_Domain":"dcp.voip.server"}} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default  String	  Valid string value	

## 16.7. Enable/Disable Stun

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_StunEnabled			Example – Enable stun for Channel 1  <i>Channel number -1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_StunEnabled", "value":1,"format":"Norm"}] </pre> <b>Response :</b>  publish <pre> {"format":"Norm","path":"/Config/VoIP/Channel_1_StunEnabled", "value":"1"} </pre> @set <pre> {"format":"Norm","path":"/Config/VoIP/Channel_1_StunEnabled", "value":"1"} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default  0-1	  0-Disable 1-Enable	

## 16.8. Enable/Disable “Register with domain” option

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_RegisterWithDomain			Example – Disable “Register with domain” option of VoIP 1  <i>Channel number – 1</i> <i>Value - 0</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_RegisterWithDomain", "value":0,"format":"Norm"}] </pre> <b>Response :</b>  @set <pre> {"format":"Norm","path":"/Config/VoIP/Channel_1_RegisterWithDomain", "value":"0"} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default  0-1	  0-Disable 1-Enable	

## 16.9. Set Registration life value

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_RegistrationLife			Example – Set registration life value of VoIP 1  <i>Channel number – 1</i> <i>Value - 3599</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/VoIP/Channel_1_RegistrationLife","value":"3599","format":"Default"}]</pre> <b>Response :</b>  <pre>@set {"path":"/Config/VoIP","value":{"Channel_1_RegistrationLife":"3599"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default		

## 16.10. Set Registration retry value

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_RegistrationRetry			Example – Set registration retry value of VoIP 1  <i>Channel number – 1</i> <i>Value - 29</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/VoIP/Channel_1_RegistrationRetry","value":"29","format":"Default"}]</pre> <b>Response :</b>  <pre>@set {"path":"/Config/VoIP","value":{"Channel_1_RegistrationRetry":"29"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default	0 - 86400	

## 16.11. Set Proxy address

<b>API :</b> /Config/VoIP/Channel_#(channel number)_ProxyAddress			Example – Set proxy server of VoIP 1  <i>Channel number – 1</i> <i>Value - 10.90.17.123</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{   "path": "/Config/VoIP/Channel_1_ProxyAddress",   "value": "10.90.17.123",   "format": "Default" }</pre> <b>Response :</b>  @set <pre>{   "path": "/Config/VoIP",   "value": {     "Channel_1_ProxyAddress": "10.90.17.123"   } }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default	Valid string value	

## 16.12. Set Proxy port

<b>API :</b> /Config/VoIP/Channel_#(channel number)_Proxy port			Example – Set proxy port of VoIP 1  <i>Channel number – 1</i> <i>Value - 10</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>{   "path": "/Config/VoIP/Channel_1_ProxyPort",   "value": 10,   "format": "Default" }</pre> <b>Response :</b>  @set <pre>{   "path": "/Config/VoIP",   "value": {     "Channel_1_ProxyPort": "10"   } }</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default	0-65535	

## 16.13. Set Signaling port

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_SignalingPort			Example – Set signaling port of VoIP 1  <i>Channel number – 1</i> <i>Value - 10</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_SignalingPort", "value":10, "format":"Default"}] </pre> <b>Response :</b>  <pre> @set {"path":"/Config/VoIP", "value":{"Channel_1_SignalingPort":10}} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
value	0-65535		

## 16.14. Set SRTP Preference

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_SRTPPreference			Example – Set SRTP preference of VoIP 1  <i>Channel number – 1</i> <i>Value - optional</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_SRTPPreference", "value":"optional", "format":"Default"}] </pre> <b>Response :</b>  <pre> @set {"path":"/Config/VoIP", "value":{"Channel_1_SRTPPreference":"optional"}} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
value	{ disabled, optional, required)		

## 16.15. Set RTP Port

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_RTPPort			Example – Set RTP port of VoIP 1  <i>Channel number – 1</i> <i>Value - 2000</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_RTPPort","value":2000,"format":"Default"}]  <b>Response :</b>  @set {"path":"/Config/VoIP","value":{"Channel_1_RTPPort":"2000"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 0-65535		

## 16.16. Set RTP Port end

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_RTPPortEnd			Example – Set RTP port end of VoIP 1  <i>Channel number – 1</i> <i>Value - 23554</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_RTPPortEnd","value":23554,"format":"Default"}]  <b>Response :</b>  @set {"path":"/Config/VoIP","value":{"Channel_1_RTPPortEnd":"23554"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 0-65535		



## 16.17. Set Ring type

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_RingType			Example – Set ring type of VoIP 1  <i>Channel number – 1</i> <i>Value - silent</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_RingType","value":"silent","format":"Default"}]  <b>Response :</b>  @set {"path":"/Config/VoIP","value":{"Channel_1_RingType":"silent"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
value	Classic, silent		

## 16.18. Set AutoAnswerAfter option

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_AutoAnswerAfter			Example – Set AutoAnswerOption of VoIP 1  <i>Channel number – 1</i> <i>Value – 2 Rings</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_AutoAnswerAfter","value":"2 Rings","format":"Default"}]  <b>Response :</b>  @set {"path":"/Config/VoIP","value":{"Channel_1_AutoAnswerAfter":"2 Rings"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
value	{ Immediately, 1 Ring, 2 Rings, 3 Rings}		

## 16.19. Set DTMFMode option

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_DtmfMode			Example – Set DTMF option of VoIP 1  <i>Channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_DtmfMode", "value":1,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/Channel_1_DtmfMode","value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default  0-3	0 – none 1-Sip info 2-In Band 3-Out of Band	

## 16.20. Enable/Disable DTMFToneMute option

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_DtmfToneMute			Example – Enable DTMFToneMute option of VoIP 1  <i>Channel number -1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_DtmfToneMute", "value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/VoIP/Channel_1_DtmfToneMute","value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default  0-1		

## 16.21. Enable/Disable DTMFFixedLength option

<b>API :</b> /Config/VoIP/Channel_#(channel number)_DTMFFixedLength			Example – enable DTMFFixedLength option of VoIP 1  <i>Channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  <b>set</b> <pre>[{"path":"/Config/VoIP/Channel_1_DTMFFixedLength","value":1,"format":"Norm"}]</pre> <b>Response :</b>  <pre>@set {"format":"Norm","path":"/Config/VoIP/Channel_1_DTMFFixedLength","value":"1"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 0-1		

## 16.22. Set DTMFOnTime value (ms)

<b>API :</b> /Config/VoIP/Channel_#(channel number)_DTMFOnTime			Example – Set DTMFOnTime value of VoIP 1  <i>Channel number – 1</i> <i>Value - 251</i>
<b>Parameters :</b>			<b>Query/Command :</b>  <b>set</b> <pre>[{"path":"/Config/VoIP/Channel_1_DTMFOnTime","value":"251","format":"Default"}]</pre> <b>Response :</b>  <pre>@set {"path":"/Config/VoIP","value":{"Channel_1_DTMFOnTime":"251"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 50-1000	In milliseconds	

## 16.23. Set DTMFOffTime value (ms)

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_DTMFOffTime			Example – Set DTMFOffTime value of VoIP 1  <i>Channel number – 1</i> <i>Value - 500</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_DTMFOffTime","value":"500","format":"Default"}] </pre> <b>Response :</b>  <pre> @set {"path":"/Config/VoIP","value":{"Channel_1_DTMFOffTime":"500"}} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default  50-1000	  In milliseconds	

## 16.24. Enable/Disable Session timer

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_SessionTimer			Example – Enable session timer of VoIP 1  <i>Channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_SessionTimer","value":1,"format":"Norm"}] </pre> <b>Response :</b>  <pre> @set {"format":"Norm","path":"/Config/VoIP/Channel_1_SessionTimer","value":"1"} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Norm  0-1	  	

## 16.25. Set DefaultTimer value

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_DefaultTimer			Example – Set DefaultTimer value of VoIP 1  <i>Channel number – 1</i> <i>Value - 300</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/VoIP/Channel_1_DefaultTimer", "value":"300", "format":"Default"}]</pre> <b>Response :</b>  <pre>@set {"path":"/Config/VoIP", "value":{"Channel_1_DefaultTimer":"300"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 90-65535	In seconds	

## 16.26. Set MinimumTimer value

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_MinimumTimer			Example – Set MinimumTimer of VoIP 1  <i>Channel number – 1</i> <i>Value - 91</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/VoIP/Channel_1_MinimumTimer", "value":"91", "format":"Default"}]</pre> <b>Response :</b>  <pre>@set {"path":"/Config/VoIP", "value":{"Channel_1_MinimumTimer":"91"}}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 90-65535	In seconds	

## 16.27. Enable/Disable KeepAlive option

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_KeepAlive			Example – Enable KeepAlive of VoIP 1  <i>Channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_KeepAlive","value":1,"format":"Norm"}] </pre> <b>Response :</b>  <pre> @set {"format":"Norm","path":"/Config/VoIP/Channel_1_KeepAlive","value":"1"} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 0-1	Enable/Disable	

## 16.28. Set KeepAliveInterval value

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_KeepAliveInterval			Example – Set KeepAliveInterval of VoIP 1  <i>Channel number – 1</i> <i>Value - 20</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_KeepAliveInterval","value":20,"format":"Default"}] </pre> <b>Response :</b>  <pre> @set {"path":"/Config/VoIP","value":{"Channel_1_KeepAliveInterval":"20"}} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 20-30	In seconds	

## 16.29. Enable/Disable AutoAnswer

<b>API :</b> /Config/VoIP/Channel_#(channel number)_AutoAnswer			Example – Enable autoanswer for VoIP channel 1  <i>Channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_AutoAnswer", "value":1, "format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm", "path":"/Config/VoIP/Channel_1_AutoAnswer", "value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Norm 0-1	Enable/Disable	

## 16.30. Enable/Disable DND

<b>API :</b> /Config/VoIP/Channel_#(channel number)_DND			Example – Enable DND  <i>Channel number – 1</i> <i>Value - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_DND", "value":1, "format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm", "path":"/Config/VoIP/Channel_1_DND", "value":"1"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Default 0-1	0 – Disable 1 - Enable	

## 16.31. Increase/Decrease Volume (Set RXGain)

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_RXGain			Example – Increase volume of VoIP channel 1  Channel number – 1 Value - 3
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_RXGain","value":3,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/Channel_1_RXGain","value":"3"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Number  (-12) – (12)		

## 16.32. Set TXGain

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_TXGain			Example – Set TXGain of of VoiP Channel 2  Channel number – 2 Value – 2
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_2_TXGain","value":2,"format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/Channel_2_TXGain","value":"2"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Number  (-12)- (12)		



### 16.33. Set TXMute

<b>API :</b> /Config/VoIP/Channel_#(channel number)_TxMute			Example – Mute VoIP call  Channel number – 2 Value – 1
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/VoIP/Channel_2_TxMute","value":1,"format":"Norm"}]</pre> <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/VoIP/Channel_2_TxMute","value":"1"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Norm  0-1	  0 – Unmute 1 - Mute	

### 16.34. Set Ring volume

<b>API :</b> /Config/VoIP/Channel_#(channel number)_RingVolume			Example - Set ring volume  Channel number – 1 Value – -12
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre>[{"path":"/Config/VoIP/Channel_1_RingVolume","value":-12,"format":"Number"}]</pre> <b>Response :</b>  @set <pre>{"format":"Number","path":"/Config/VoIP/Channel_1_RingVolume","value":"-12"}</pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Number  (-12)- (12)	  Range	

## 16.35. Set DTMF volume

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_DTMFVolume			Example – Set DTMF volume  <i>Channel number – 1</i> <i>Value – 10</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set <pre> [{"path":"/Config/VoIP/Channel_1_DTMFVolume", "value":10, "format":"Number"}] </pre> <b>Response :</b>  @set <pre> {"format":"Number", "path":"/Config/VoIP/Channel_1_DTMFVolume", "value":"10"} </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		
value	(-12)-(12)	Range	

## 16.36. Get VoIP line status

<b>API :</b>  /Config/VoIP/Channel_#(channel number)_LineStatus			Example – Get VoIP line status  Channel number – 1
<b>Parameters :</b>			<b>Query/Command :</b>  get <pre> [{"path":"/Config/VoIP/Channel_1_LineStatus", "format":"Norm"}] </pre> <b>Response :</b>  @get <pre> {"format":"Norm", "path":"/Config/VoIP/Channel_1_LineStatus", "value":"1"}] </pre>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Norm		
Value	0-1	0 – disconnected 1-connected	

## 16.37. Get CallerId

<b>API :</b> /Config/VoIP/Channel_#(channel number)_CallerId			Example – Get caller id (number). This is used at call receiving end.  Channel number – 1
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/VoIP/Channel_1_CallerId","format":"Default"}]  <b>Response :</b>  @get [{"path":"/Config/VoIP","value":{"Channel_1_CallStatus":"callIdle","Channel_1_CallerId":"1002","Channel_1_DialNum":""}}]
Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		

## 16.38. Get Dial number

<b>API :</b> /Config/VoIP/Channel_#(channel number)_DialNum			Example – Get dialed number. This is used to get dial number at dialer (caller) end.  Channel number - 1
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/VoIP/Channel_1_DialNum","format":"Default"}]  <b>Response :</b>  @get {"format":"Number","path":"/Config/VoIP/Channel_1_DialNum","value":""}
Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		

## 16.39. Get CallStatus

<b>API :</b> /Config/VoIP/Channel_#(channel number)_CallStatus			Example – Get call status ( VoIP channel 1)
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/VoIP/Channel_1_CallStatus","format":"Default"}]  <b>Response :</b>  @get {"path":"/Config/VoIP","value":{"Channel_1_CallStatus":"callIdle"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		
Value	0- 7	0 – callIdle 1- callToInitiated 2- callToRinging 3-callAnswerPending 4- callAnswered 5- callActive 6- callHeldLocal 7- callHeldRemote	

## 16.40. Get TxLevel

<b>API :</b> /Config/PeakMeters/VoIP_#(channel number)_TXLevel			Example – Read/Get TxLevel of VoIP 1 channel (Read only)  <i>Channel number - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/PeakMeters/VoIP_1_TXLevel","format":"Number"}]  <b>Response :</b>  @get [{"format":"Number","path":"/Config/PeakMeters/VoIP_1_TXLevel","value":"-80"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		
value	(-80) - 10	Receiving value ranges	

## 16.41. Get RxLevel

<b>API :</b> /Config/VoIP/Channel_#(channel number)_RXLevel			Example - Read/Get RxLevel of VoIP 1 channel (Read only)  <i>Channel number - 1</i>
<b>Parameters :</b>			<b>Query/Command :</b>  get [{"path":"/Config/PeakMeters/VoIP_1_RXLevel", "format":"Number"}]  <b>Response :</b>  @get [{"format":"Number","path":"/Config/PeakMeters/VoIP_1_RXLevel","value":"-80"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Number  (-80) - 10	Receiving value ranges	

## 16.42. Set Key pressed value

<b>API : Need to send two commands Press and Release</b> /Config/VoIP/Channel_#(channel number)_keyPress			Example – Press ‘2’ of VoIP channel 1  <i>Channel number - 1</i> <i>Value – “2 Key” – Press, “None” - Release</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_keyPress","value":"2 Key","format":"Default"}]  set [{"path":"/Config/VoIP/Channel_1_keyPress","value":"None","format":"Default"}]  <b>Response :</b>  @set {"path":"/Config/VoIP","value":{"Channel_1_keyPress":"2 Key"}}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
value	0 Key 1 Key 2 Key 3 Key 4 Key 5 Key	0 – “0 Key” 1- “1 Key” 2-“2 Key” 3-“3 Key” 4-“4 Key” 5-“5 Key”	

6 Key	6-“6 Key”	@set
7 Key	7-“7 Key”	{“path”：“/Config/VoIP”,“value”:{“Channel_1_key
8 Key	8-“8 Key”	Press”：“None”}}
9 Key	9-“9 Key”	
*Key	*-“* Key”	
# Key	#-“# Key”	
None	Release – “None”	

### 16.43. Dial (Call)

<b>API : Need to send two commands Press and Release</b>  /Config/VoIP/Channel_#(channel number)_Dial			Example - Dial once number/key is defined . Dial VoIP 1  <i>Channel number – 1</i> <i>Value – 1 – Press , 0 - Release</i>												
<b>Parameters :</b>  <table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Channel number</td> <td>1-4</td> <td>Channel number has to be replaced with actual VoIP channel number</td> </tr> <tr> <td>Format</td> <td>Number</td> <td></td> </tr> <tr> <td>value</td> <td>1, 0</td> <td>1 – button pressed 0 – button released</td> </tr> </tbody> </table>			Name	Values/range	Description	Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	Format	Number		value	1, 0	1 – button pressed 0 – button released	<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_Dial","value":1,"format":"Norm"}]  set [{"path":"/Config/VoIP/Channel_1_Dial","value":0,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/VoIP/Channel_1_Dial","value":"1"}
Name	Values/range	Description													
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number													
Format	Number														
value	1, 0	1 – button pressed 0 – button released													

## 16.44. Hangup/Reject the call

<b>API : Need to send two commands Press and Release</b>  /Config/VoIP/Channel_#(channel number)_Hangup			Example - End/Hangup the VoIP Call ( VoIP channel 1)  <i>Channel number – 1</i> <i>Value - 1 – Press , 0 - Release</i>									
<b>Parameters :</b>  <table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Channel number</td> <td>1-4</td> <td>Channel number has to be replaced with actual VoIP channel number</td> </tr> <tr> <td>Format value</td> <td>Number 1, 0</td> <td>1 – button pressed 0 – button released</td> </tr> </tbody> </table>			Name	Values/range	Description	Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	Format value	Number 1, 0	1 – button pressed 0 – button released	<b>Query/Command :</b>  set <pre>{"path":"/Config/VoIP/Channel_1_Hangup","value":1,"format":"Norm"}</pre> set <pre>{"path":"/Config/VoIP/Channel_1_Hangup","value":0,"format":"Norm"}</pre> <b>Response :</b>  @set <pre>{"format":"Norm","path":"/Config/VoIP/Channel_1_Hangup","value":"1"}</pre> @set <pre>{"format":"Norm","path":"/Config/VoIP/Channel_1_Hangup","value":"0"}</pre>
Name	Values/range	Description										
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number										
Format value	Number 1, 0	1 – button pressed 0 – button released										

## 16.45. Hold the call

<b>API : Need to send two commands Press and Release</b>  /Config/VoIP/Channel_#(channel number)_Hold			Example – Hold the call ( VoIP channel 1)  <i>Channel number – 1</i> <i>Value - 1 – Press , 0 - Release</i>						
<b>Parameters :</b>  <table border="1"> <thead> <tr> <th>Name</th> <th>Values/range</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Channel number</td> <td>1-4</td> <td>Channel number has to be replaced with actual VoIP channel number</td> </tr> </tbody> </table>			Name	Values/range	Description	Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	<b>Query/Command :</b>  set <pre>{"path":"/Config/VoIP/Channel_1_Hold","value":1,"format":"Norm"}</pre>
Name	Values/range	Description							
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number							

Format	Number		set [{"path":"/Config/VoIP/Channel_1_Hold","value":0,"format":"Norm"}]
value	1, 0	1 – button pressed 0 – button released	<b>Response :</b>  @set { "format":"Norm", "path":"/Config/VoIP/Channel_1_Hold", "value":"1" }  @set { "format":"Norm", "path":"/Config/VoIP/Channel_1_Hold", "value":"0" }

## 16.46. Redial the number

<b>API : Need to send two commands Press and Release</b>			Example - Redial the last called number ( VoIP channel 1)
/Config/VoIP/Channel_#(channel number)_Redial			<i>Channel number – 1</i> <i>Value - 1 – Press , 0 - Release</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set [{"path":"/Config/VoIP/Channel_1_Redial","value":1,"format":"Norm"}]
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	set [{"path":"/Config/VoIP/Channel_1_Redial","value":0,"format":"Norm"}]
Format	Number		<b>Response :</b>
value	1, 0	1 – button pressed 0 – button released	@set { "format":"Norm", "path":"/Config/VoIP/Channel_1_Redial", "value":"1" }  @set { "format":"Norm", "path":"/Config/VoIP/Channel_1_Redial", "value":"0" }



## 16.47. Resume the call

<b>API : Need to send two commands Press and Release</b>  /Config/VoIP/Channel_#(channel number)_Resume			Example – Resume the VoIP channel 1 call  <i>Channel number – 1</i> <i>Value - 1 – Press , 0 - Release</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_Resume","value":1,"format":"Norm"}]  set [{"path":"/Config/VoIP/Channel_1_Resume","value":1,"format":"Norm"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/VoIP/Channel_1_Resume","value":"1"}  @set {"format":"Norm","path":"/Config/VoIP/Channel_1_Resume","value":"0"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format value	Number  1, 0	1 – button pressed 0 – button released	

## 16.48. Answer the call

<b>API : Need to send two commands Press and Release</b>  /Config/VoIP/Channel_#(channel number)_Answer			Example - Answer the incoming call  <i>Channel number – 1</i> <i>Value -1 – Press , 0 - Release</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/Channel_1_Answer","value":1,"format":"Norm"}]  set [{"path":"/Config/VoIP/Channel_1_Answer","value":1,"format":"Norm"}]
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	

Format	Number		
value	1, 0	1 – button pressed 0 – button released	<b>Response :</b> @set {"format":"Norm","path":"/Config/VoIP/Channel_1_Answer","value":"1"}  @set {"format":"Norm","path":"/Config/VoIP/Channel_1_Answer","value":"0"}

## 16.49. Delete dial number field

<b>API : It will delete last digit from dial number field. Need to send two commands Press and Release</b>  /Config/VoIP/Channel_#(channel number)_Delete			Example – Delete last digit from dial number field ( VoIP channel 1)  <i>Channel number – 1</i> <i>Value -1 – Press , 0 - Release</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	set [{"path":"/Config/VoIP/Channel_1_Delete","value":1,"format":"Norm"}]
Format	Number		set [{"path":"/Config/VoIP/Channel_1_Delete","value":1,"format":"Norm"}]
value	1, 0	1 – button pressed 0 – button released	<b>Response :</b> @set {"format":"Norm","path":"/Config/VoIP/Channel_1_Delete","value":"1"}  @set {"format":"Norm","path":"/Config/VoIP/Channel_1_Delete","value":"0"}

## 16.50. Set Transport type (General VoIP settings screen)

<b>API :</b>  /Config/VoIP/TransportType			Example - Set Transport type  <i>Value - tcp</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/TransportType","value":"tcp","format":"Default"}]  <b>Response :</b>  @set {"format":"Norm","path":"/Config/VoIP/TransportType ","value":"tcp"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
value	{ auto, tcp, Tls, udpOnly }		

## 16.51. Set T1 Timer

<b>API :</b>  /Config/VoIP/T1Timer			Example - Set T1 Timer  <i>Value - 500</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/ T1Timer ","value":"500","format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/T1Timer ","value":"500"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
Value	100-10000	In milliseconds	
Format	Number		

## 16.52. Set T2 Timer

<b>API :</b> /Config/VoIP/T2imer			Example - Set T2 timer  <i>Value - 4000</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set [{"path":"/Config/VoIP/ T2imer ","value":"4000","format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/ T2imer ","value":"4000"}
Format	Default		
value	100-10000	In milliseconds	

## 16.53. Set T4 Timer

<b>API :</b> /Config/VoIP/T4Timer			Example - Set T4 timer  <i>Value - 5000</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set [{"path":"/Config/VoIP/ T4Timer ","value":"5000","format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/ T4Timer ","value":"5000"}
Format	Default		
value	300-30000	In milliseconds	

## 16.54. Set TD Timer

<b>API :</b> /Config/VoIP/TDTimer			Example - Set TD Timer  <i>Value - 5000</i>
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	set [{"path":"/Config/VoIP/ TDTimer ","value":"5000","format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/ TDTimer ","value":"5000"}
Format	Default		
value	400-60000	In milliseconds	

## 16.55. Set RPort

<b>API :</b> /Config/VoIP/RPort			Example - Set RPort  <i>Value - 50</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/RPort","value":"50","format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/RPort ","value":"50"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
value	0-65535		

## 16.56. Set Stun Port

<b>API :</b> /Config/VoIP/StunPort			Example - Set stun port number  <i>Value - 50</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/ StunPort ","value":"50","format":"Number"}]  <b>Response :</b>  @set {"format":"Number","path":"/Config/VoIP/StunPort ","value":"50"}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
value	0-65535		

## 16.57. Set Stun Server

<b>API :</b> /Config/VoIP/StunServer			Example - Set Stun server  <i>Value – stun.server.com</i>
<b>Parameters :</b>			<b>Query/Command :</b>  set [{"path":"/Config/VoIP/ StunServer ","value":" stun.server.com ","format":"Default"}]  <b>Response :</b>  @set {"format":"Default","path":"/Config/VoIP/StunPort ","value":" stun.server.com "}
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	
Format	Default		
value	string		

## 16.58. Get MAC address

<b>API :</b>  /commonConfig/nwInterfaces/i2/mac			Example -
<b>Parameters :</b>			<b>Query/Command :</b>
<b>Name</b>	<b>Values/range</b>	<b>Description</b>	<b>Response :</b>
Format	Default		
value			

## 17. Examples (Websocket)

### 17.1. Initializing connection steps

Connection must be established before sending or receiving the values from device.

#### Steps to initialize connection with DCP 555 –

**Step 1)** Open WebSocket connection

URL: ws://<IP>:<PORT>

**Step 2)** Getting sessionId from httprequest ( refer 1.1 section)

**Step 3)** Passing sessionID to WS connection

WS SEND: sessionId <sessionId>

WS RESPONSE: WS {"status":200,"description":"login was success"}

### 17.2. Setting a value

Once WebSocket connection is initialized with valid sessionId. Call HCommand to set a value.

e.g. WS SEND: set {"path":"/Config/Channel1Level/Mute","value":1,"format":"Norm"}

WS RESPONSE: @set {format:"Norm","path":"/Config/Channel1Level/Mute","value":"1"}

### 17.3. Getting a value

To get value of SV use as below:

e.g. WS SEND: get {"path":"/Config/Channel1Level/Mute","format":"Norm"}

WS RESPONSE: @get {format:"Norm","path":"/Config/Channel1Level/Mute","value":"0"}

### 17.4. Subscription steps

For sensor based SVs, subscription can be done as following:

**Step 1)** To subscribe for an event:

WS SEND: subscribe {"path":"/Config/Channel1Level/Mute","format":"Norm"}

WS RESPONSE: @subscribe  
{ "format":"Norm","path":"/Config/Channel1Level/Mute","value":"1" }

**Step 2)** Notification:

On value change, we get below publish response.

```
WS RESPONSE: publish {"format":"Norm","path":"/Config/Channel1Level/Mute","value":"0"}
```

**Step 3) Acknowledging publish response**

Each **publish** has to get acknowledged with below command. without acknowledgement system will not publish next changed events.

```
WS SEND: @publish
```

## 17.5. Remove Subscription

```
WS SEND: unsubscribe {"path":"/Config/Channel1Level/Mute","format":"Norm"}
```

```
WS RESPONSE: @unsubscribe {"format":"Norm","path":"/Config/Channel1Level/Mute"}
```

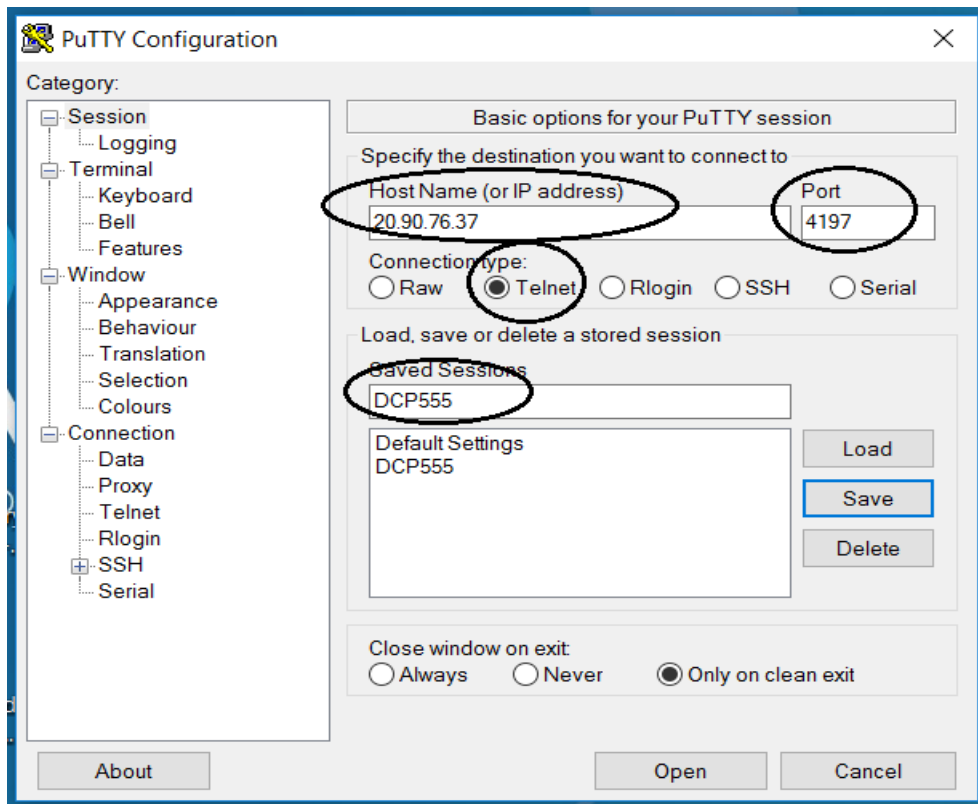


## 18. Examples (TCP via Telnet)

### 18.1. Initialize TCP connection

- Input the IP address of the device (visible on DCP555 device panel).
- Port number should be **4197**.
- Connection type should be Telnet.

#### 18.1.1. By using Putty tool



#### 18.1.2. By using CMD

```
C:\Windows\system32\cmd.exe
```

```
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\rmistry>telnet 10.90.76.65 4197
```

## 18.2. Login to DCP 555 device

Login to your device(DCP555) by sending command :

```
exec {"path":"/","command":"login","arguments":["administrator","administrator"]}
```

You will get the response from the device as shown in screen shot

```
exec {"path":"/","command":"login","arguments":["administrator","administrator"]}
@exec {"arguments":"Login OK","command":"login","path":"/"} █
```

## 18.3. Send Commands

After successful login, the device (DCP555) is ready for command exchange. Use the API document for details. Examples for Get, Set and Subscribe are captured in the screenshot:

```
get [{"path":"/Config/Blulink/OutputPortStatus","format":"Default"}]
@get {"path":"/Config/Blulink","value":{"OutputPortStatus":"Connected"}}

set [{"path":"/Config/MatrixRouter/Channel_3_AGC_TargetLevel","value":"-13","format":"Number"}]
@set {"format":"Number","path":"/Config/MatrixRouter/Channel_3_AGC_TargetLevel","value":"-13"}

subscribe [{"path":"/fwUpdStatus","format":"Number"}]
@subscribe {"format":"Number","path":"/fwUpdStatus","value":"0"} █
```