DCP-555

Digital Conferencing Processor with VoIP

Third party API documentation v1.1

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1. Configure Input Channels

1.1 Select input channel routing

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

1.2 Configure/ Select Blulink channel

API :			Example – Select blulink channel at 6th Input channel
\ Config\Blulink\Channel_#(blulink slot number)_InputAssignment			Input channel number – 6 Value – 256 (blulink channel number 4)
Parameters			**Query/Command :**
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/ InputChannel_**6**_RoutingSelection", "value":38,"format":"Number"}, {"path":"/Config/Blulink/ Channel_6_ InputAssignment","value":**256**,"form at":"Number"}]
blulink slot number	1-256	Blulink slot number to be replaced with actual blulink channel number	
value	33-64	Blulink channel number	**Response :** @set {"format":"Number", "path": "/ Config/MatrixRouter/ InputChannel_4_ RoutingSelection","value":"17" }
Format	Number	Format type	

1.3 Set preamp gain of analog input channel

API :	Example – Set preamp gain of Input channel 5
\Config\AnalogSettings\Channel_#(channel number*)_InputGain	*channel number – 5* *Value – 18*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/AnalogSettings/Channel_**5**_ In putGain","value":**18**,"format":"Number"}]
channel number	1-28	channel number need to be replaced with actual channel number	
value	Number	Gain value	**Response :**
			@set {"format":"Number","path":"/ Config/AnalogSett ings/Channel_**5**_ InputGain","value":"**18**"}
Format	Number	Format type	

1.4 Set phantom power of input channel

API :	Example – Enable Phantom power of Input channel 5
\Config\AnalogSettings\Channel_#(channel number*)_PhantomPower	*channel number – 5* *Value – 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/AnalogSettings/Channel_5_ PhantomPower","value":1,"format":"Norm"}]
channel number	1-28	channel number need to be replaced with actual channel number	
value		Gain value	**Response :**
			@set {"format":"Norm","path":"/ Config/AnalogSettin gs/Channel_5_ PhantomPower","value":"1"}
Format	Number	Format type	

2. Configure Output Channels

2.1 Select AES channel

API :	Example – Select AES channel (2nd) at 1st Output channel
\Config\MatrixRouter\AES67_Out_#(aes channel number)_RoutingSelection	*Aes channel number – 2* *value – 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/AES67_Out_2_ RoutingSelection","value":1,"format":"Number"}]
aes channel number	1-8	Aes channel number need to be replaced with actual channel number	
value	0-12	Output channel number	**Response :**
			set [{"path":"/Config/MatrixRouter/AES67_Out_2_ RoutingSelection","value":1,"format":"Number"}]
Format	Number	Format type	

2.2 Select Analog channel

API :	Example
\Config\MatrixRouter\Analog_Out_#(analog channelnumber)_RoutingSelection	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
analog channel number	1-8	analog channel number need to be replaced with actual channel number	
value	0-12	Output channel number	**Response :**
Format	Number	Format type	

2.3 Select USB channel

API :	Example
\Config\MatrixRouter\USB_Out_#(usb channel number)_RoutingSelection	

Parameters			Query/Command :

Name	Values/range	Description	
usb channel number	1-2	analog channel number need to be replaced with actual channel number	
value	0-1	Output channel number	**Response :**
Format	Number	Format type	

2.4 Select VoIP channel

API :	Example
\Config\MatrixRouter\VOIP_Out_#(voip channel number)_RoutingSelection	

Parameters			Query/Command :

Name	Values/range	Description	
voip channel number	1-4	voip channel number need to be replaced with actual channel number	
value	0-1	Output channel number	**Response :**
Format	Number	Format type	

2.5 Select Blulink slot number

API :	Example
\Config\MatrixRouter\Blulink_Out_#(blulink slot selection)_RoutingSelection	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
blulink slot selection	1-32	blulink slot selection need to be replaced with actual blulink slot number	
value	0-12	Output channel number	**Response :**
Format	Number	Format type	

2.6 Select Blulink channel

API :	Example
\Config\Blulink\Channel_#(blulink slot number)_OutputAssignment	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
blulink slot number	1-256	blulink slot number need to be replaced with actual blulink channel number	
value	0-12	Output channel number	**Response :**
Format	Number	Format type	

2.7 Select left Polarity

API :	Example
\Config\Output#(output channel number)Level/Channel_1_Polarity	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Output channel number	1-12	Output channel number has to be replaced with actual Output channel number	
value	0-1	On/Off	**Response :**
Format	Norm	Format type	

2.8 Select right Polarity

API :	Example – Enable right polarity of output channel 4
\Config\Output#(output channel number)Level/Channel_2_Polarity	*Output channel number – 4* *Value - 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Output4Level/Channel_2_ Polarity","value":1,"format":"Norm"}]
Output channel number	1-12	Output channel number has to be replaced with actual Output channel number	
value	0-1	On/Off	**Response :**
			@set {"format":"Norm","path":"/Config/Output4Level/ Channel_2_Polarity","value":"1"}
Format	Norm	Format type	

3. AEC Screen (Input channels)

3.1 Enable /Disable AES

API :	Example – Enable AES for Input channel 1
\Config\MatrixRouter\SV\ Channel_#(channelnumber)_AECEnable	*channel number – 1* *Value - 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/Channel_1_ AECEnable","value":1,"format":"Norm"}]
channel number	1-12	channel number need to be replaced with actual channel number	
value	0-1	On/Off	**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/ Channel_1_AECEnable","value":"1"}
Format	Norm	Format type	

3.2 Enable /Disable AGS

API :	Example – Enable AGS for Input channel 1
\Config\MatrixRouter\SV\ Channel_#(channelnumber)_AGCEnable	*channel number – 1* *Value - 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/Channel_1_ AGCEnable","value":1,"format":"Norm"}]
channel number	1-12	channel number has to be replaced with actual input channel number	
value	0-1	On/Off	**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/ Channel_1_AGCEnable","value":"1"}
Format	Norm	Format type	

3.3 Set Minimum gain of AGC

API :	Example
\Config\MatrixRouter\SV\Channel_#(channel number)_AGC_MinGain	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-20)-0		**Response :**
Format	Default	Format type	

3.4 Set Maximum gain of AGC

API :	Example
\Config\MatrixRouter\SV\Channel_#(channel number)_AGC_MaxGain	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	0-20		**Response :**
Format	Default	Format type	

3.5 Set target level of AGC

API :	Example
\Config\MatrixRouter\SV\Channel_#(channel number)_AGC_TargetLevel	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-30)-0		Response :
Format	Default	Format type	

3.6 Set Activation threshold value of AGC

API :	Example
\Config\MatrixRouter\SV\Channel_#(channel number)_AGC_ActivationThreshold	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-60) - (-10)		Response :
Format	Default	Format type	

3.7 Set NLP strength value of AGC

API :	Example
\Config\MatrixRouter\SV\Channel_#(channel number)_TxNLPStrength	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	0-80		Response :
Format	Number	Format type	

3.8 Set ERL value of AGC

API :	Example
\Config\MatrixRouter\SV\Channel_#(channel number)_ERL	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	(-12) - 30		Response :
Format	Default	Format type	

3.9 Set ERLE value of AGC

API :	Example
\Config\MatrixRouter\SV\Channel_#(channel number)_ERLE	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	channel number has to be replaced with actual input channel number	
value	0-30		**Response :**
Format	Default	Format type	

4. Automixer Screen

4.1 Set master gain

API :			Example – Set master gain of Automixer 1
/Config/MatrixRouter/AutoMixer_#(automixer number)_MasterGain			*automixer number – 1* *Value – 0.35*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterGain","value":"0.35","format":"Norm"}]
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	(-80) - 10		**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/AutoMixer_1_MasterGain","value":"0.35"}
Format	Norm	Format type	

4.2 Set master level

API :			Example
/Config/MatrixRouter/AutoMixer_#(automixer number)_MasterLevel			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value			**Response :**
Format	Norm	Format type	

4.3 Mute master

API :	Example – Mute master
/Config/MatrixRouter/AutoMixer_#(automixer number)_MasterMute	automixer number – 1 Value – 1

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":1,"format":"Norm"}]
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0-1	on/off	**Response :**
			@set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":1,"format":"Norm"}]
Format	Norm	Format type	

4.4 Set Ratio (Slope)

API :	Example – Set ratio value
/Config/MatrixRouter/AutoMixer_#(automixer number)_Ratio	automixer number – 1 value – 0.24

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/AutoMixer_1_Ratio","value":"0.24","format":"Norm"}]
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0-1	on/off	**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/AutoMixer_1_Ratio","value":"0.24"}
Format	Norm	Format type	

4.5 Set Speed

API :			Example – Set speed value
/Config/MatrixRouter/AutoMixer_#(automixer number)_Speed			*automixer number – 1* *Value – 1*
Parameters			**Query/Command :**
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/AutoMixer_1_Speed","value":"0.58","format":"Norm"}]
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0.1-10		**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/AutoMixer_1_Speed","value":"0.58"}
Format	Norm	Format type	

4.6 Set Automixer Input gain

API :			Example – Set gain of input channel 2 of automixer 1
/Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Gain			*channel number - 2* *automixer number – 1* *value – 1*
Parameters			**Query/Command :**
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Gain","value":0.44,"format":"Norm"}]
channel number	1-12	channel number has to be replaced with actual input channel number	
automixer number	0-4	automixer number has to be replaced with actual automixer number	**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Gain","value":"0.44"}
Format	Norm	Format type	

4.7 Mute Input channel of Automixer

API :	Example – Mute input channel 2 of Automixer 1
/Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Mute	*Channel number - 2* *automixer number – 1* *Value – 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Mute","value":1,"format":"Norm"}]
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	**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Mute","value":"1"}
Format	Norm	Format type	

4.8 Set Input channel OffGain of Automixer

API :	Example
/Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_OffGain	

Parameters			Query/Command :
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	**Response :**
value	(-40)-0		

4.9 Set Input channel OpenMeter of Automixer

API :	Example
/Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_OpenMeter	

Parameters			Query/Command :	
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		**Response :**
Format	Norm		

4.10 Set Input channel Override of Automixer

API :	Example – Enable override of input channel 1 of automixer 1
/Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_ Override	*Channel number – 1* *Automixer number -1* *Value - 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/Input_1_AutoMixer_1_Override","value":1,"format":"Norm"}]
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	**Response :** @set {"format":"Norm","path":"/Config/MatrixRouter/Input_1_AutoMixer_1_Override","value":"1"}
value	(-40)-0		
Format	Norm	Format type	

4.11 Set Solo in Automixer

API :	Example - Activate Solo of input channel 2 of automixer 1
/Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Solo	Channel number – 2 Automixer number -1 Value - 1

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Solo","value":1,"format":"Norm"}]
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		**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Solo","value":"1"}
Format	Norm	Format type	

4.12 Set Automixer Input Connection

API :	Example
/Config/MatrixRouter/Automixer_#(automixer number)_Input_*(channel number)_Connection	

Parameters			Query/Command :
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	**Response :**
value	0-1		
Format	Norm	Format type	

4.13 Set Automixer Output Connection

API :	Example
/Config/MatrixRouter/Automixer_#(automixer number)_Output_*(channel number)_Connection	

Parameters			Query/Command :
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		**Response :**
Format	Norm	Format type	

4.14 Set Automixer (1-4) name

API :	Example - Set name of Automixer 1 as "Meeting1"
/Config/MatrixRouter/Room_1_Name /Config/MatrixRouter/Room_2_Name /Config/MatrixRouter/Room_3_Name /Config/MatrixRouter/Room_4_Name	*Value – Meeting1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/Room_1_Name ","value":"Conference1","format":"Default"}]
value	string	any valid string	
Format	Default	Format type	**Response :**
			@set {"path":"/Config/MatrixRouter","value":{"Room _1_Name":"Conference1"}}

5. Control Compressor parameters

5.1 Set Bypass value

API :	Example
/Config/Channel##(channel number)Compressor/Bypass	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	13-28	Channel number has to be replaced by actual input channel number	
value	0 - 1	On/Off	**Response :**
Format	Norm	Format type	

5.2 Set Threshold value

API :	Example - Set threshold value of input channel 15
/Config/Channel#(channel number)Compressor/Threshold	*Channel number – 15* *Value – 0.6*

Parameters			Query/Command :

Name	Values/range	Description	set
Channel number	13-28	Channel number has to be replaced by actual input channel number	[{"path":"/Config/Channel15Compressor/Threshold","value":"0.6","format":"Norm"}]
value		value to be set	**Response :**
			@set {"format":"Norm","path":"/Config/Channel15Compressor/Threshold","value":"0.6"}
Format	Norm	Format type	

5.3 Set Ratio value

API :	Example – Set Ratio value of input channel 15
/Config/Channel#(channel number)Compressor/Ratio	Channel number – 15 Value – 3.4

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel15Compressor/Ratio","value":3.4,"format":"Number"}]
channel number	13-28	channel number has to be replaced by actual input channel number	
value	1-18	Value to be set	**Response :**
			@set {"format":"Number","path":"/Config/Channel15Compressor/Ratio","value":"3.4"}
Format	Norm	Format type	

5.4 Set Gain value

API :	Example – Set Gain value of input channel 15
/Config/Channel#(channel number)Compressor/Gain	Channel number – 15 Value – 0.48

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel15Compressor/Gain","value":"0.48","format":"Norm"}]
channel number	13-28	Channel number has to be replaced by actual input channel number	
value	(-20) - 20	Value to be set	**Response :**
			@set {"format":"Norm","path":"/Config/Channel15Compressor/Gain","value":"0.48"}
Format	Norm	Format type	

5.5 Set GainReduction value

API :	Example
/Config/Channel#(channel number)Compressor/GainReduction	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	13-28	channel number has to be replaced by actual input channel number	
value	0-120	Value to be set	**Response :**
Format	Norm	Format type	

5.6 Set InputLevel value

API :	Example
/Config/Channel#(channel number)Compressor/InputLevel	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	13-28	Channel number has to be replaced by actual input channel number	
value	(-120) - 0	Value to be set	**Response :**
Format	Norm	Format type	

5.7 Set Attack value

API :	Example
/Config/Channel#(channel number)Compressor/Attack	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	13-28	channel number has to be replaced by actual input channel number	
value	0-200	Value to be set	**Response :**
Format	Norm	Format type	

5.8 Set Release value

API :	Example
/Config/Channel#(channel number)Compressor/Release	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	13-28	Channel number has to be replaced by actual input channel number	
value	5-2000	Value to be set	**Response :**
Format	Norm	Format type	

6. Control Limiter parameters

6.1 Set Bypass value

API :	Example
/Config/Output#(channel number)Limiter/Bypass	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	Channel number has to be replaced by actual input channel number	
value	0 - 1	On/Off	**Response :**
Format	Norm	Format type	

6.2 Set Threshold value

API :	Example - Set threshold value of output channel 1
/Config/Output#(channel number)Limiter/Threshold	*Channel number – 11* *Value – 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Output1Limiter/Threshold","value":1,"format":"Norm"}]
Channel number	1-12	Channel number has to be replaced by actual output channel number	
value	(-120) - 20	value to be set	**Response :**
			@set {"format":"Norm","path":"/Config/Output1Limiter/Threshold","value":"1"}
Format	Norm	Format type	

6.3 Set GainReduction value

API :			Example
/Config/Output#(channel number)Limiter/GainReduction			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	Channel number has to be replaced by actual output channel number	
value	0-120	Value to be set	**Response :**
Format	Norm	Format type	

6.4 Set InputLevel value

API :			Example
/Config/Output#(channel number)Limiter/InputLevel			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	Channel number has to be replaced by actual output channel number	
value	(-120) - 20	Value to be set	**Response :**
Format	Norm	Format type	

6.5 Set Attack value

API :	Example
/Config/Output#(channel number)Limiter/Attack	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	Channel number has to be replaced by actual output channel number	
value	0-1000	Value to be set	**Response :**
Format	Norm	Format type	

6.6 Set Release value

API :	Example
/Config/Output#(channel number)Limiter/ Release	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	Channel number has to be replaced by actual output channel number	
value	0 – 1000	Value to be set	**Response :**
Format	Norm	Format type	

7. Configure channel – AES67

7.1 Set Bypass value

API :	Example
/Config/Output#(channel number)Limiter/Bypass	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	1-28	Channel number has to be replaced by actual input channel number	
value	0 - 1		**Response :**
Format	Norm	Format type	

7.2 Set DelayTime

API :	Example
\Config\Channel#(channelnumber)Delay\SV\DelayTime	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-28	Channel number has to be replaced by actual input channel number	
value	0-300		**Response :**
Format	Norm	Format type	

8. Schematic Screen

8.1 Get meter data of input channel before processing

API :	Example - Get meter data of Input channel 13
/Config/PeakMeters/In#(channel number) InputLevel	*Channel number - 13*

Parameters			**Query/Command :**
Name	**Values/range**	**Description**	get [{"path":"/Config/PeakMeters/In13InputLevel", "format": "Number"}]
channel number	1-28	Channel number has to be replaced by actual input channel number	
Format	Number		**Response :**
			@get {"format":"Number", "path":"/Config/ PeakMeters/In13InputLevel","value":"-2"}
value	(-80) – 20	Value ranging –80 to 20db	

8.2 Get meter data of input channel after processing

API :	Example – Get meter data of Input channel 13
/Config/PeakMeters/In#(channel number)OutputLevel	*Channel number - 13*

Parameters			**Query/Command :**
Name	**Values/range**	**Description**	get [{"path":"/Config/PeakMeters/In13OutputLevel", "format": "Number"}]
Channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
			@get {"format":"Number", "path":"/Config/ PeakMeters/In13OutputLevel","value":"-2"}
value	0-300	Value ranging –80 to 20db	

8.3 Set Mute/Unmute of Input channel

API :	Example – Set mute of input channel 2
\Config\Channel#(channel number)Level\Mute	*Channel number - 2*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel2Level/Mute","value": 1,"format":"Norm"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
			@set {"format":"Norm","path":"/Config/Channel1Level/Mute","value":"1"}
value	0-1		

8.4 Set level of Input channel

API :	Example – Set level of input channel 2
\Config\Channel#(channel number)Level\Level	*Channel number – 2* *Value – 0.68*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel1Level/Level","value": 0.68,"format":"Norm"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
			@set {"format":"Norm","path":"/Config/Channel1Level/Level","value":"0.68"}
Value	(-80) - 20	Value ranging -80 to 20db	

8.5 Enable PEQ of Input channel

API :	Example
Config\Channel#(channel number)PEQ\ParametricEQ	

Parameters			Query/Command :

Name	Values/range	Description	set [{"path":"/Config/Channel1PEQ/ParametricEQ","value":1,"format":"Norm"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
			@set {"format":"Norm","path":"/Config/Channel1PEQ/ParametricEQ","value":"1"}
Value	0-1	Enable/Disable	

8.6 Enable Bypass (Compressor) of Input channel

API :	Example
\Config\Channel#(channel number)Compressor\Bypass	

Parameters			Query/Command :

Name	Values/range	Description	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
Value	0-1	Enable/Disable	

8.7 Get meter data of output channel before processing

API :	Example – Get meter data of Input channel 13
/Config/PeakMeters/Out#(channel number)InputLevel	*Channel number - 13*

Parameters			Query/Command :
Name	**Values/range**	**Description**	get [{"path":"/Config/PeakMeters/In13OutputLevel", "format": "Number"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
			@get {"format":"Number", "path":"/Config/ PeakMeters/In13OutputLevel","value":"-2"}
Value	(-80) – 20	Value ranging -80 to 20 db	

8.8 Get meter data of output channel after processing

API :	Example – Get meter data of Input channel 13
/Config/PeakMeters/Out#(channel number)OutputLevel	*Channel number – 13*

Parameters			Query/Command :
Name	**Values/range**	**Description**	get [{"path":"/Config/PeakMeters/In13OutputLevel", "format": "Number"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
			@get {"format":"Number", "path":"/Config/ PeakMeters/In13OutputLevel","value":"-2"}
Value	(-80) – 20	Value ranging -80 to 20db	

8.9 Set Mute of output channel

API :	Example – Set mute of input channel 2
\Config\Channel#(channel number)Level\Mute	*Channel number - 2*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel2Level/Mute","value": 1,"format":"Norm"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
			@set {"format":"Norm","path":"/Config/Channel1Level/Mute","value":"1"}
Value	0-1	Mute/Unmute	

8.10 Set level of output channel

API :	Example – Set level of input channel 2
\Config\Channel#(channel number)Level\Level	*Channel number – 2* *Value - 0.68*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel1Level/Level","value": 0.68,"format":"Norm"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
			@set {"format":"Norm","path":"/Config/Channel1Level/Level","value":"0.68"}
Value	(-80) - 20	Value ranging -80 to 20db	

8.11 Enable PEQ of Input channel

API :			Example
Config\Channel#(channel number)PEQ\ParametricEQ			

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel1PEQ/ParametricEQ"," value":1,"format":"Norm"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
			@set {"format":"Norm","path":"/Config/Channel1PEQ /ParametricEQ","value":"1"}
Value	0-1	Enable/Disable	

8.12 Enable Bypass (Compressor) of Input channel

API :			Example
\Config\Channel#(channel number)Compressor\Bypass			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
Value	0-1	Enable/Disable	

9. PEQ Screen

9.1 Set HPFrequency of Input channel

API :	Example - Set HPFrequency of input channel 2
\Config\Channel#(channelnumber)HighPass\Channel_1_HPFrequency	*Channel number – 2* *Value - 60*

Parameters			Query/Command :

Name	Values/range	Description	set [{"path":"/Config/Channel2HighPass/Channel_1_HPFrequency","value":60,"format":"Number"}]
channel number	1-28	Channel number has to be replaced by actual input channel number	

Format	Number		**Response :**
			@set {"format":"Number","path":"/Config/Channel2HighPass/Channel_1_HPFrequency","value":"60"}
value	-15.9 - 20000		

9.2 Set HPType of Input channel

API :	Example
\Config\Channel#(channel number)HighPass\Channel_1_HPType	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**

value	BS 6 - LR 24	(BS 6
		  BS 12
		  BS 18
		  BS24
		  BW 6
		  BW 12
		  BW 18
		  BR 24
		  LR 12
		  LR 24
		)	

9.3 Enable/Disable ParametricEQ of Input channel

API :	Example – Disable ParametericEQ of input channel 1
\Config\Channel#(channel number)PEQ\ParametricEQ	*Channel number -1* *Value -0*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel1PEQ/ParametricEQ","value":0,"format":"Norm"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
			@set {"format":"Norm","path":"/Config/Channel1PEQ/ParametricEQ","value":"0"}
Value	0-1	Enable/Disable	

9.4 Reset/Restore all 4 bands value of Input channel

API :	Example – Reset all 4 bands
\Config\Channel#(channel number)PEQ\Flatten	*Channel number -1* *Value -flat*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel1PEQ/Flatten","value":"flat","format":"Default"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Default		**Response :**
			@set {"path":"/Config/Channel1PEQ","value":{"Flatten":"Flat"}}
Value	Flat, Restore	Reset or restore	

9.5 Set Frequency of Band (1-4) of Input channel

API :	Example – Set Frequency of Band 1 of input channel 1
\Config\Channel#(channel number)PEQ\Band_#(band number)_Frequency	*Channel number -1* *Band number -1* *Value - 3340*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel1PEQ/Band_1_Frequency","value":3338,"format":"Number"}]
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
			@set {"format":"Number","path":"/Config/Channel1PEQ/Band_1_Frequency","value":"3340"}
Value	20-20000		
band number	1-4		

9.6 Set Gain of Band (1-4) of Input channel

API :	Example
\Config\Channel#(channel number)PEQ\Band_#(band number)_Gain	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
Value	0-1	-20 dB to +20 dB	
band number	1-4		

9.7 Set Q of Band (1-4) of Input channel

API :	Example
\Config\Channel#(channel number)PEQ\Band_#(band number)_Q	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
Value	0.1 -128		
band number	1-4		

9.8 Set Slope of Band (1-4) of Input channel

API :	Example
\Config\Channel#(channel number)PEQ\Band_#(band number)_Slope	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
Value	3-15		
band number	1-4		

9.9 Set Type of Band (1-4) of Input channel

API :	Example
\Config\Channel#(channel number)PEQ\Band_#(band number)_Type	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-28	channel number need to be replaced with corresponding input channel number	
Format	Default		**Response :**
Value	{Bell, Low, Shelf, High Shelf}		
band number	1-4		

9.10 Set HPFrequency of Output channel

API :	Example
\Config\Output#(channel number)HighPass\Channel_1_HPFrequency	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
Value	15.9 - 20000		

9.11 Set HPType of Output channel

API :	Example
\Config\Output#(channel number)HighPass\Channel_1_HPType	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
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)	

9.12 Enable/Disable ParametricEQ of Output channel

API :	Example – Disable ParametericEQ of output channel 1
\Config\Output#(channel number)PEQ\ParametricEQ	*Channel number -1* *Value -0*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Output1PEQ/ParametricEQ","value":0,"format":"Norm"}]
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
			@set {"format":"Norm","path":"/Config/Output1PEQ/ParametricEQ","value":"0"}
Value	0 - 1	Enable/Disable	

9.13 Reset/Restore all 4 bands value of Output channel

API :	Example – Reset all 4 bands
\Config\Output#(channel number)PEQ\Flatten	*Channel number -1* *Value -flat*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Channel1PEQ/Flatten","value": "flat","format":"Default"}]
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Default		**Response :**
			@set {"path":"/Config/Channel1PEQ","value":{"Flatten ":"Flat"}}
Value	Flat, Restore	Reset or restore	

9.14 Set Frequency of Band (1-4) of Output channel

API :	Example
\Config\Output#(channel number)PEQ\Band_#(band number)_Frequency	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
Value	20 - 20000		
Band number	1-4		

9.15 Set Gain of Band (1-4) of Output channel

API :	
\Config\Output#(channel number)PEQ\Band_#(band number)_Gain	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
Value	0-1	-20 dB to +20 dB	
Band number	1-4		

9.16 Set Q of Band (1-4) of Output channel

API :	Example
\Config\Output#(channel number)PEQ\Band_#(band number)_Q	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
Value	0.1 - 128		
Band number	1-4		

9.17 Set Slope of Band (1-4) of Output channel

API :	Example
\Config\Output#(channel number)PEQ\Band_#(band number)_Slope	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		**Response :**
Value	3-15		
Band number	1-4		

9.18 Set Type of Band (1-4) of Output channel

API :	Example
\Config\Output#(channel number)PEQ\Band_#(band number)_Type	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
Value	{Bell, Low, Shelf, High Shelf}		
Band number	1-4		

10. Configure Matrix Router

10.1 Select/Assign channel in Input channel (1-28)

Please refer 1.1

10.2 Select/Assign channel in Output channel (1-12)

Please refer 2.0

10.3 Select/Assign input channel in Automixer (1-4)

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

10.4 Select/Assign output channel in Automixer (1-4)

API :	Example – Assign output channel 7 to Automixer 3 (i.e. Conference 3)
\Config\MatrixRouter\Automixer_#(auto mixer number)_Output_#(channel number**)_Connection	*Channel number -7* *Automixer number -3*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/Automixer_3_Output_7_Connection","value":1,"format":"Norm"}]
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Norm		**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/Automixer_3_Output_7_Connection","value":"1"}
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)	

10.5 Set MasterGain of Automixer (1-4)

API :	Example – Set master gain of Automixer 1
\Config\MatrixRouter\Automixer_#(auto mixer number)_MasterGain	*auto mixer number -1* *Value - .98*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterGain","value":"0.98","format":"Norm"}]
Auto mixer number	1-4	Auto mixer number has to be replaced with actual automixer number (conference number)	
Format	Norm		**Response :**
Value	(-80) – (10)		

10.6 Set Speed of Automixer (1-4)

API :	Example
\Config\MatrixRouter\Automixer_#(auto mixer number)_Speed	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Auto mixer number	1-4	Auto mixer number has to be replaced with actual automixer number (conference number)	
Format	Norm		**Response :**
Value	0.1-10		

10.7 Set Ratio (Slope) of Automixer (1-4)

API :	Example
\Config\MatrixRouter\Automixer_#(auto mixer number)_Ratio	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Auto mixer number	1-4	Auto mixer number has to be replaced with actual automixer number (conference number)	
Format	Norm		**Response :**
Value	0-1		

10.8 Mute Automixer (1-4)

API :	Example – Mute Automixer 1
\Config\MatrixRouter\Automixer_#(auto mixer number)_MasterMute	*auto mixer number -1* *value -1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":1,"format":"Norm"}]
Auto mixer number	1-12	Auto mixer number has to be replaced with actual automixer number (conference number)	
Format	Norm		**Response :**
			@set {"format":"Norm","path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":"1"}
Value	0-1	Mute/Unmute	

11. BLU Link Settings

11.1 Read version

API :	Example - Read blu link version
/Config/Blulink/Version	

Parameters			Query/Command :
Name	**Values/range**	**Description**	get
Format	Default		[{"path":"/Config/Blulink/Version","format":"Default"}]
			Response :

11.2 Read Master MAC address

API :	Example – Read master MAC address
/Config/Blulink/MasterMacAddr	

Parameters			Query/Command :
Name	**Values/range**	**Description**	get
Format	Default		[{"path":"/Config/Blulink/MasterMacAddr","format":"Default"}]
			Response :

11.3 Read Master Priority

API :	Example
/Config/Blulink/MasterPriorty	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
			Response :

11.4 Read Sample Rate

API :	Example
/Config/Blulink/SampleRate	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
			Response :

11.5 Set Priority

API :			Example – Set Priority value
/Config/Blulink/Priority			*Value - 37*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Blulink/Priority","value":37,"format":"Number"}]
Format	Default		
value	0-254		**Response :**
			@set {"format":"Number","path":"/Config/Blulink/Priority","value":"37"}

11.6 Read Input port status

API :			Example
/Config/Blulink/InputPortStatus			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
			Response :

11.7 Read Output port status

API :	Example
/Config/Blulink/OutputPortStatus	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
			Response :

11.8 Read Input correct count

API :	Example
/Config/Blulink/InputCorrectCount	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
			Response :

11.9 Read Output correct count

API : /Config/Blulink/OutputCorrectCount	Example
Parameters	**Query/Command :**

Name	Values/range	Description	Query/Command :
Format	Default		
			Response :

11.10 Read Input error count

API : /Config/Blulink/InputErrorCount	Example
Parameters	**Query/Command :**

Name	Values/range	Description	Query/Command :
Format	Default		
			Response :

11.11 Read Output error count

API : /Config/Blulink/OutputErrorCount	Example

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
			Response :

11.12 Reset Input error

API : /Config/Blulink/InputErrorReset	Example

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/Blulink/InputErrorReset","value":1,"format":"Number"}]
Format	Default		
Value	1		**Response :** @set {"format":"Number","path":"/Config/Blulink/InputErrorReset","value":"0"}

11.13 Reset Output error

API : /Config/Blulink/OutputErrorReset	Example

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
			Response :

12. Device Settings

12.1 Disable/Set Home screen timeout value

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

12.2 Disable/Set Backlight timeout value

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

12.3 Lock/Unlock Front panel

API :	Example – Lock front panel
/Front Panel Lockout	*Value – Locked*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Front Panel Lockout","value":"Locked","format":"Default"}]
Format	Default		
Value	Locked Unlocked		**Response :** publish {"path":"/","value":{"Front Panel Lockout":"Locked"}} @set {"path":"/","value":{"Front Panel Lockout":"Locked"}}

12.4 Subscribe Firmware update status

API :	Example – Subscribe firmware update status
/fwUpdStatus	*Value – Locked*

Parameters			Query/Command :
Name	**Values/range**	**Description**	subscribe [{"path":"/fwUpdStatus","format":"Number"}]
Format	Number		
			Response : @subscribe {"path":"/commonConfig","value":{"version":"0.1.4"}} @subscribe {"format":"Number","path":"/fwUpdStatus","value":"0"}

12.5 Subscribe / Unsubscribe version value

API :	Example – Subscribe version value
/commonConfig/version	

Parameters			Query/Command :
Name	**Values/range**	**Description**	subscribe
Format			[{"path":"/fwUpdStatus","format":"Number"}]
			Response :

13. Exec Commands

13.1 Save Configuration

API :	Example – Save Configuration
Path - / Command - ConfigBackup	*Arguments – name of configuration (i.e. Test)*

Parameters			Query/Command :
Name	**Values/range**	**Description**	exec {"path":"/","command":"ConfigBackup","arguments":"Test"}
Arguments	string name of the configuration		
			Response :
			@exec {"arguments":"Command OK","command":"ConfigBackup","path":"/"}

13.2 Restore Configuration

API :	Example
Path - / Command - ConfigRestore	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Arguments	string name of the configuration		
			Response :

13.3 Create Configuration

API :	Example
Path - / Command - ConfigCreate	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Arguments	string name of the configuration		
			Response :

13.4 Validate Configuration

API :	Example
Path - / Command - ConfigValidate	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Arguments	string name of the configuration		
			Response :

13.5 Rename Configuration

API :			Example – Rename existing configuration ("Entour" to "Rumble")
Path - / Command - ConfigRename			*Arguments – ["old name", "new name"]*

Parameters			Query/Command :
Name	**Values/range**	**Description**	exec {"path":"/","command":"ConfigRename","argum ents":["Entour","Rumble"]}
Arguments	string name of the configuration		
			Response :
			@exec {"arguments":"Command OK","command":"ConfigRename","path":"/"}

13.6 Reconfigure mono-stereo

API :			Example – Rename existing configuration ("Entour" to "Rumble")
Path - / Command - reconfigure			*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' : {} }}"*

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Arguments	string name of the configuration	json string representing the configuration	
			Response :

13.7 Change password

Parameters			Query/Command :

API :

Path - /
Command - pwd

Example – Change password

"

Arguments – ["username, "new password"]

Name	Values/range	Description	exec
Arguments	string	json string representing the configuration	{"path":"/","command":"pwd","arguments":["administrator","admin"]}
			Response :
			@exec {"arguments":"Password set OK","command":"pwd","path":"/"}

13.8 Login

API :

Path - /
Command - login

Example – Change password

"

Arguments – ["username, "password"]

Name	Values/range	Description	exec
Arguments	string		{"path":"/","command":"login","arguments":["administrator","admin"]}
			Response :

13.9 Logout

API :	Example
Path - / Command - pwd	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
			Response :

13.10 Start firmware update

API :	Example – Start firmware update
Path - / Command - fwupdate	" *Arguments – ['start',fwupdate file URL]*

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Arguments	string		
			Response :

13.11 Cancel firmware update

API :	Example – Cancel firmware update
Path - / Command - fwupdate	" *Arguments – ['cancel']*

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Arguments	string		
			Response :

13.12 Locate On/Off

API :	Example – Locate the device
Path - / Command - locate	" *Arguments – ['on']*

Parameters			Query/Command :
Name	**Values/range**	**Description**	exec {"path":"/","command":"locate","arguments":"On"}
Arguments	On -Off		
			Response :
			@exec {"arguments":"locate On","command":"locate","path":"/"}

13.13 Factory reset

API :			Example – Factory reset
Path - / Command - factoryreset			*"* *Arguments – ['on']*
Parameters			**Query/Command :**
Name	**Values/range**	**Description**	
Arguments	On		
			Response :

13.14 Change IP Address

API :			Example – Change the IP Address of device
Path - /commonConfig Command – setip			*"* *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" }"*
Parameters			**Query/Command :**
Name	**Values/range**	**Description**	
Arguments	On	json string with network	
			Response :

14. Network Settings

14.1 Network configuration of Port A (AES67)

API :	Example – Change network settings
Path - /commonConfig Command - setip	*Arguments –*

Parameters			Query/Command :
Name	**Values/range**	**Description**	exec {"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"}}
Arguments	string		
			Response :
			@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:v4ipv6:","command":"setip","path":"/commonConfig"} publish {"format":"Norm","path":"/commonConfig/nwInterfaces/i1/dhcp","value":"0"}

14.2 Network Configuration of Port B (VoIP)

API :	Example – Change network settings of Port B
Path - /commonConfig Command - setip	*Arguments –*

Parameters			Query/Command :
Name	**Values/range**	**Description**	exec {"path":"/commonConfig","command":"setip","arguments":{"mac":"","ipv6":"","ipv":"v4","dhcp":true,"ipv4":"","subnet":"","gateway":"","name":"**eth1**"}}
Arguments	string		
			Response :

15. VoIP settings (VoIP Screen)

15.1 Get account status

API :	Example – Get status of channel 4
/Config/VoIP/Channel_#(channel number)_AccountStatus	*Channel number – 4*

Parameters			Query/Command :
Name	**Values/range**	**Description**	get [{"path":"/Config/VoIP/Channel_4_AccountStatus","format":"Default"}]
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
			Response :
			@get {"path":"/Config/VoIP","value":{"Channel_4_AccountStatus":"NotRegistered (0)"}}

15.2 Set user name

API :	Example – Set user name of channel 1
/Config/VoIP/Channel_#(channel number)_UserName	*Channel number – 1* *Value - ravikant*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/VoIP/Channel_1_UserName","value":"RaviKant","format":"Default"}]
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	String	Valid string value	publish {"path":"/Config/VoIP","value":{"Channel_1_UserName":"RaviKant"}} @set {"path":"/Config/VoIP","value":{"Channel_1_UserName":"RaviKant"}}

15.3 Set Authentication user name

API :	Example
/Config/VoIP/Channel_#(channel number)_AuthUser	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1–4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	String	Valid string value	

15.4 Set Password

API :	Example
/Config/VoIP/Channel_#(channel number)_ AuthPassword	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1–4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	String	Valid string value	

15.5 Set Display name

API :	Example
/Config/VoIP/Channel_#(channel number)_ DisplayName	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	String	Valid string value	

15.6 Set Domain value

API :	Example
/Config/VoIP/Channel_#(channel number)_ Domain	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	String	Valid string value	

15.7 Enable/Disable Stun

API :	Example – Enable stun for Channel 1
/Config/VoIP/Channel_#(channel number)_StunEnabled	*Channel number -1* *Value - 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/VoIP/Channel_1_StunEnabled" ,"value":1,"format":"Norm"}]
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
			publish {"format":"Norm","path":"/Config/VoIP/Channel _1_StunEnabled","value":"1"} @set {"format":"Norm","path":"/Config/VoIP/Channel _1_StunEnabled","value":"1"}
Value	0-1	Enable/Disable	

15.8 Enable/Disable "Register with domain" option

API :	Example
/Config/VoIP/Channel_#(channel number)_RegisterWithDomain	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-1	Enable/Disable	

15.9 Set Registration life value

API :	Example
/Config/VoIP/Channel_#(channel number)_RegistrationLife	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value			

15.10 Set Registration retry value

API :	Example
/Config/VoIP/Channel_#(channel number)_RegistrationRetry	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value			

15.11 Set Proxy address

API :	Example
/Config/VoIP/Channel_#(channel number)_ProxyAddress	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1–4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value			

15.12 Set Proxy port

API :	Example
/Config/VoIP/Channel_#(channel number)_Proxy port	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1–4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-65535		

15.13 Set Signaling port

API :	Example
/Config/VoIP/Channel_#(channel number)_SignalingPort	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-65535		

15.14 Set SRTP Preference

API :	Example
/Config/VoIP/Channel_#(channel number)_SRTPPreference	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	{ disabled, optional, required)		

15.15 Set RTP Port

API :	Example
/Config/VoIP/Channel_#(channel number)_RTPPort	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-65535		

15.16 Set RTP Port end

API :	Example
/Config/VoIP/Channel_#(channel number)_RTPPortEnd	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-65535		

15.17 Set Ring type

API :			Example
/Config/VoIP/Channel_#(channel number)_RingType			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	Classic, silent		

15.18 Set AutoAnswerAfter option

API :			Example
/Config/VoIP/Channel_#(channel number)_AutoAnswerAfter			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	{ Immediately, 1 Ring, 2 Rings, 3 Rings}		

15.19 Set DTMFMode option

API :	Example
/Config/VoIP/Channel_#(channel number)_DtmfMode	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-3		

15.20 Enable/Disable DTMFToneMute option

API :	Example
/Config/VoIP/Channel_#(channel number)_DtmfToneMute	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-1		

15.21 Enable/Disable DTMFFixedLength option

API :	Example
/Config/VoIP/Channel_#(channel number)_DTMFFixedLength	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-1		

15.22 Set DTMFOnTime value (ms)

API :	Example
/Config/VoIP/Channel_#(channel number)_DTMFOnTime	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	50-1000	In milliseconds	

15.23 Set DTMFOffTime value (ms)

API :			Example
/Config/VoIP/Channel_#(channel number)_DTMFOffTime			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	50-1000	In milliseconds	

15.24 Enable/Disable Session timer

API :			Example
/Config/VoIP/Channel_#(channel number)_SessionTimer			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Norm		**Response :**
Value	0-1		

15.25 Set DefaultTimer value

API :	Example
/Config/VoIP/Channel_#(channel number)_DefaultTimer	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	90-65535	In seconds	

15.26 Set MinimumTimer value

API :	Example
/Config/VoIP/Channel_#(channel number)_MinimumTimer	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	90-65535	In seconds	

15.27 Enable/Disable KeepAlive option

API :	Example
/Config/VoIP/Channel_#(channel number)_KeepAlive	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-1	Enable/Disable	

15.28 Set KeepAliveInterval value

API :	Example
/Config/VoIP/Channel_#(channel number)_KeepAliveInterval	

Parameters			Query/Command :

Name	Values/range	Description	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	20-30	In seconds	

15.29 Enable/Disable AutoAnswer

API :	Example – Enable autoanswer for VoIP channel 1
/Config/VoIP/Channel_#(channel number)_AutoAnswer	*Channel number – 1* *Value - 1*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	[{"path":"/Config/VoIP/Channel_1_AutoAnswer","value":1,"format":"Norm"}]
Format	Default		**Response :**
			@set {"format":"Norm","path":"/Config/VoIP/Channel_1_AutoAnswer","value":"1"}
Value	0-1	Enable/Disable	

15.30 Enable/Disable DND

API :	Example
/Config/VoIP/Channel_#(channel number)_DND	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		**Response :**
Value	0-1	Enable/Disable	

15.31 Increase/Decrease Volume (RXGain)

API :	Example – Increase volume of VoIP channel 1
/Config/VoIP/Channel_#(channel number)_RXGain	Channel number – Value - 3

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/VoIP/Channel_1_ RXGain","value":3,"format":"Number"}]
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
			@set {"format":"Number","path":"/Config/VoIP/ Channel_1_RXGain","value":"3"}
Value	(-13) – (13)	-ve value to decrease +ve value to increase	

15.32 Set TXGain

API :	Example
/Config/VoIP/Channel_#(channel number)_TXGain	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value			

15.33 Set TXMute

API :	Example
/Config/VoIP/Channel_#(channel number)_TXMute	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	0-1		

15.34 Set Ring volume

API :	Example
/Config/VoIP/Channel_#(channel number)_RingVolume	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value			

15.35 Set DTMF volume

API :	Example
/Config/VoIP/Channel_#(channel number)_DTMFVolume	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value			

15.36 Get VoIP line status

API :	Example
/Config/VoIP/Channel_#(channel number)_LineStatus	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**

15.37 Get CallerId

API :			Example
/Config/VoIP/Channel_#(channel number)_CallerId			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**

15.38 Get Dial number

API :			Example
/Config/VoIP/Channel_#(channel number)_DialNum			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**

15.39 Get CallStatus

API :	Example
/Config/VoIP/Channel_#(channel number)_CallStatus	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1–4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**

15.40 Get TxLevel

API :	Example
/Config/VoIP/Channel_#(channel number)_TXLevel	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1–4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**

15.41 Get RxLevel

API :	Example
/Config/VoIP/Channel_#(channel number)_RXLevel	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1–4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**

15.42 Set Key pressed value

API :	Example
/Config/VoIP/Channel_#(channel number)_keyPress	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1–4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	0-9, *, #		

15.43 Dial (Call)

API :	Example
/Config/VoIP/Channel_#(channel number)_Dial	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	1, 0	1 – button pressed 0 – button released	

15.44 Hangup the call

API :	Example
/Config/VoIP/Channel_#(channel number)_Hangup	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	1, 0	1 – button pressed 0 – button released	

15.45 Hold the call

API :			Example
/Config/VoIP/Channel_#(channel number)_Hold			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	1, 0	1 – button pressed 0 – button released	

15.46 Redial the number

API :			Example
/Config/VoIP/Channel_#(channel number)_Redial			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	1, 0	1 – button pressed 0 – button released	

15.47 Resume the call

API :			Example
/Config/VoIP/Channel_#(channel number)_Resume			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	1, 0	1 – button pressed 0 – button released	

15.48 Answer the call

API :			Example
/Config/VoIP/Channel_#(channel number)_Answer			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	1, 0	1 – button pressed 0 – button released	

15.49 Reset dial number field

API :	Example
/Config/VoIP/Channel_#(channel number)_Delete	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Number		**Response :**
Value	1, 0	1 – button pressed 0 – button released	

15.50 Set Transport type (General VoIP settings screen)

API :	Example - Set Transport type
/Config/VoIP/TransportType	*Value - tcp*

Parameters			Query/Command :
Name	**Values/range**	**Description**	set [{"path":"/Config/VoIP/TransportType","value":"tcp","format":"Default"}]
Format	Default		
Value	{ auto, tcp, Tls, udpOnly }		**Response :**
			@set {"path":"/Config/VoIP","value":{"TransportType":"tcp"}}

15.51 Set T1 Timer

API :	Example
/Config/VoIP/T1Timer	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
Value	100–10000	In milliseconds	**Response :**

15.52 Set T2 Timer

API :	Example
/Config/VoIP/T2Timer	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
Value	100–10000	In milliseconds	**Response :**

15.53 Set T4 Timer

API :	Example
/Config/VoIP/T4Timer	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
Value	300–30000	In milliseconds	**Response :**

15.54 Set TD Timer

API :	Example
/Config/VoIP/TDTimer	

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
Value	400–60000	In milliseconds	**Response :**

15.55 Set RPort

API :	Example
/Config/VoIP/RP	

Parameters			Query/Command :

Name	Values/range	Description	
Format	Default		
Value	0-65535		**Response :**

15.56 Set Stun Port

API :	Example
/Config/VoIP/StunPort	

Parameters			Query/Command :

Name	Values/range	Description	
Format	Default		
Value	0-65535		**Response :**

15.57 Set Stun Server

API :			Example
/Config/VoIP/StunServe			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
Value			**Response :**

15.58 Get MAC address

API :			Example
/commonConfig/nwInterfaces/i2/mac			

Parameters			Query/Command :
Name	**Values/range**	**Description**	
Format	Default		
Value			**Response :**

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