



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		<i>Input channel number – 28</i> <i>Value – 20 (Analog channel number 4)</i>	
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	
Format	Number	Format type	
		Response :	
		@set {"format": "Number", "path": " /Config/MatrixRouter/ InputChannel_28_ RoutingSelection", "value": "20"}	

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	
Format	Number	Format type	
		Response :	
		@set {"format": "Number", "path": " /Config/MatrixRouter/ InputChannel_4_ RoutingSelection", "value": "17" }	

1.3 Set preamp gain of analog input channel			
API :			Example – Set preamp gain of Input channel 5 <i>channel number – 5</i> <i>Value – 18</i>
\Config\AnalogSettings\Channel_#(channel number*)_InputGain			
Parameters			Query/Command :
Name	Values/range	Description	set [{"path": "/Config/AnalogSettings/Channel_5_ InputGain", "value": 18, "format": "Number"}]
channel number	1-28	channel number need to be replaced with actual channel number	
value	Number	Gain value	Response :
Format	Number	Format type	@set {"format": "Number", "path": "/Config/AnalogSettings/Channel_5_ InputGain", "value": "18"}

1.4 Set phantom power of input channel			
API :			Example – Enable Phantom power of Input channel 5 <i>channel number – 5</i> <i>Value – 1</i>
\Config\AnalogSettings\Channel_#(channel number*)_PhantomPower			
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 :
Format	Number	Format type	@set {"format": "Norm", "path": "/Config/AnalogSettings/Channel_5_ PhantomPower", "value": "1"}

2. Configure Output Channels

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

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	
Format	Number	Format type	
			Response :

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	
Format	Number	Format type	
			Response :

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	
Format	Number	Format type	
			Response :

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	
Format	Number	Format type	
			Response :

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	
Format	Norm	Format type	
			Response :

2.8 Select right Polarity			
API :			Example – Enable right polarity of output channel 4 <i>Output channel number – 4</i> <i>Value - 1</i>
\Config\Output#(output channel number)Level/Channel_2_Polarity			
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	
Format	Norm	Format type	
			Response :
			@set {“format”:“Norm”,“path”:“/Config/Output4Level/Channel_2_Polarity”,“value”:“1”}

3. AEC Screen (Input channels)

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

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

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		
Format	Default	Format type	
			Response :

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		
Format	Default	Format type	
			Response :

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		
Format	Default	Format type	
			Response :

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)		
Format	Default	Format type	
			Response :

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		
Format	Number	Format type	
			Response :

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		
Format	Default	Format type	
			Response :

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		
Format	Default	Format type	
			Response :

4. Automixer Screen

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

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 <i>automixer number – 1</i> <i>Value – 1</i>
/Config/MatrixRouter/AutoMixer_#(automixer number)_MasterMute			
Parameters			Query/Command :
Name	Values/range	Description	set
automixer number	1-4	automixer number has to be replaced with actual automixer number	[{"path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":1,"format":"Norm"}]
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 <i>automixer number – 1</i> <i>value – 0.24</i>
/Config/MatrixRouter/AutoMixer_#(automixer number)_Ratio			
Parameters			Query/Command :
Name	Values/range	Description	set
automixer number	1-4	automixer number has to be replaced with actual automixer number	[{"path":"/Config/MatrixRouter/AutoMixer_1_Ratio","value":"0.24","format":"Norm"}]
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		<i>automixer number – 1</i> <i>Value – 1</i>	
Parameters		Query/Command :	
Name	Values/range	Description	set
automixer number	1-4	automixer number has to be replaced with actual automixer number	[{"path":"/Config/MatrixRouter/AutoMixer_1_Speed","value":"0.58","format":"Norm"}]
value	0.1-10		Response :
Format	Norm	Format type	@set {“format”:“Norm”,“path”:/Config/MatrixRouter/AutoMixer_1_Speed”,“value”:“0.58”}

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		<i>channel number - 2</i> <i>automixer number – 1</i> <i>value – 1</i>	
Parameters		Query/Command :	
Name	Values/range	Description	set
channel number	1-12	channel number has to be replaced with actual input channel number	[{"path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Gain”,“value”:0.44”,“format”:“Norm”}]
automixer number	0-4	automixer number has to be replaced with actual automixer number	Response :
Format	Norm	Format type	@set {“format”:“Norm”,“path”:/Config/MatrixRouter/Input_2_AutoMixer_1_Gain”,“value”:“0.44”}

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 :
Format	Norm	Format type	@set {"format":"Norm","path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Mute","value":"1"}

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	
value	(-40)-0		Response :

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 <i>Channel number – 1</i> <i>Automixer number - 1</i> <i>Value - 1</i>
/Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Override			
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	
value	(-40)-0		
			Response :
Format	Norm	Format type	@set {“format”:“Norm”,“path”:“/Config/MatrixRouter/ Input_1_AutoMixer_1_Override”,“value”:“1”}

4.11 Set Solo in Automixer			
API :			Example - Activate Solo of input channel 2 of automixer 1 <i>Channel number - 2</i> <i>Automixer number - 1</i> <i>Value - 1</i>
/Config/MatrixRouter/Input_*(channel number)_AutoMixer_#(automixer number)_Solo			
Parameters			Query/Command :
Name	Values/range	Description	set
channel number	1-12	channel number has to be replaced with actual input channel number	[{"path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Solo","value":1,"format":"Norm"}]
automixer number	1-4	automixer number has to be replaced with actual automixer number	
value	0-1		Response :
Format	Norm	Format type	@set { "format":"Norm","path":"/Config/MatrixRouter/Input_2_AutoMixer_1_Solo","value":1 }

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	
value	0-1		Response :
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" <i>Value – Meeting1</i>
/Config/MatrixRouter/Room_1_Name /Config/MatrixRouter/Room_2_Name /Config/MatrixRouter/Room_3_Name /Config/MatrixRouter/Room_4_Name			
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	
Format	Norm	Format type	
			Response :

5.2 Set Threshold value			
API :			Example - Set threshold value of input channel 15 <i>Channel number – 15</i> <i>Value – 0.6</i>
/Config/Channel#(channel number)Compressor/Threshold			
Parameters			Query/Command :
Name	Values/range	Description	set [{"path":"/Config/Channel15Compressor/Threshold","value":"0.6","format":"Norm"}]
Channel number	13-28	Channel number has to be replaced by actual input channel number	
value		value to be set	Response :
Format	Norm	Format type	@set {"format":"Norm","path":"/Config/Channel15Compressor/Threshold","value":"0.6"}

5.3 Set Ratio value			
API :			Example – Set Ratio value of input channel 15 <i>Channel number – 15</i> <i>Value – 3.4</i>
/Config/Channel#(channel number)Compressor/Ratio			
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/Ratio","value":3.4,"format":"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 <i>Channel number – 15</i> <i>Value – 0.48</i>
/Config/Channel#(channel number)Compressor/Gain			
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/Gain","value":0.48,"format":"Norm"}]
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	
Format	Norm	Format type	
			Response :

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	
Format	Norm	Format type	
			Response :

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	
Format	Norm	Format type	
			Response :

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	
Format	Norm	Format type	
			Response :

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	
Format	Norm	Format type	
			Response :

6.2 Set Threshold value			
API :			Example - Set threshold value of output channel 1 <i>Channel number – 11</i> <i>Value – 1</i>
/Config/Output#(channel number)Limiter/Threshold			
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	
Format	Norm	Format type	
			Response :
			@set {“format”:“Norm”,“path”:“/Config/Output1Limiter/Threshold”,“value”:“1”}

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	
Format	Norm	Format type	
			Response :

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	
Format	Norm	Format type	
			Response :

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	
Format	Norm	Format type	
			Response :

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	
Format	Norm	Format type	
			Response :

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		
Format	Norm	Format type	
			Response :

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		
Format	Norm	Format type	
			Response :

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		<i>Channel number - 13</i>	
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	Response : @get { "format": "Number", "path": "/Config/PeakMeters/In13InputLevel", "value": "-2" }
Format	Number		
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		<i>Channel number - 13</i>	
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	Response : @get { "format": "Number", "path": "/Config/PeakMeters/In13OutputLevel", "value": "-2" }
Format	Number		
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		<i>Channel number - 2</i>	
Parameters		Query/Command :	
Name	Values/range	Description	set
channel number	1-28	channel number need to be replaced with corresponding input channel number	[{"path":"/Config/Channel2Level/Mute","value":1,"format":"Norm"}]
Format	Norm		Response :
value	0-1		@set {“format”:“Norm”,“path”:“/Config/Channel1Level/Mute”,“value”:“1”}

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

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 :
Value	0-1	Enable/Disable	@set { "format":"Norm","path":"/Config/Channel1PEQ/ParametricEQ","value":1 }

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

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

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

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

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			<i>Channel number - 2</i> <i>Value - 60</i>
Parameters			Query/Command :
Name	Values/range	Description	set
channel number	1-28	Channel number has to be replaced by actual input channel number	[{"path":"/Config/Channel2HighPass/Channel_1_HPFrequency","value":60,"format":"Number"}]
Format	Number		Response :
value	-15.9 - 20000		@set { "format":"Number","path":"/Config/Channel2HighPass/Channel_1_HPFrequency","value":"60" }

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			<i>Channel number -1</i> <i>Value -0</i>
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			<i>Channel number -1</i> <i>Value -flat</i>
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			<i>Channel number -1</i> <i>Band number -1</i> <i>Value - 3340</i>
Parameters			Query/Command :
Name	Values/range	Description	set
channel number	1-28	channel number need to be replaced with corresponding input channel number	[{"path":"/Config/Channel1PEQ/Band_1_Frequency","value":3338,"format":"Number"}]
Format	Number		Response :
Value	20-20000		@set {"format":"Number","path":"/Config/Channel1PEQ/Band_1_Frequency","value":"3340"}
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		
Value	0.1 -128		
band number	1-4		
			Response :

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		
Value	3-15		
band number	1-4		
			Response :

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	Response :
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		

9.10 Set HPFrequency of Output channel

API :			Example
\Config\Output#(channel number)HighPass\Channel_1_HPFrequency			
Parameters			Query/Command :
Name	Values/range	Description	Response :
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
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		
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)	
			Response :

9.12 Enable/Disable ParametricEQ of Output channel			
API :			Example – Disable ParametericEQ of output channel 1 <i>Channel number -1</i> <i>Value -0</i>
\Config\Output#(channel number)PEQ\ParametricEQ			
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		
Value	0 - 1	Enable/Disable	
			Response :
			@set {"format":"Norm","path":"/Config/Output1PEQ/ParametricEQ","value":"0"}

9.13 Reset/Restore all 4 bands value of Output channel			
API :			Example – Reset all 4 bands
\Config\Output#(channel number)PEQ\Flatten			<i>Channel number -1</i> <i>Value -flat</i>
Parameters			Query/Command :
Name	Values/range	Description	set
channel number	1-12	channel number need to be replaced with corresponding input channel number	[{"path":"/Config/Channel1PEQ/Flatten","value":"flat","format":"Default"}]
Format	Default		Response :
Value	Flat, Restore	Reset or restore	@set {“path”:/Config/Channel1PEQ,”value”:{“Flatten”：“Flat”}}

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	Response :
channel number	1-12	channel number need to be replaced with corresponding input channel number	
Format	Number		
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	Response :
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		

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			<i>Channel number -5</i> <i>Automixer number -1</i>
Parameters			Query/Command :
Name	Values/range	Description	set
Channel number	1-12	channel number need to be replaced with corresponding input channel number	[{"path":"/Config/MatrixRouter/Automixer_1_Input_5_Connection","value":1,"format":"Norm"}]
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			<i>Channel number -7</i> <i>Automixer number -3</i>
Parameters			Query/Command :
Name	Values/range	Description	set
channel number	1-12	channel number need to be replaced with corresponding input channel number	[{"path":"/Config/MatrixRouter/Automixer_3_Output_7_Connection","value":1,"format":"Norm"}]
Format	Norm		Response :
Value	0-1	Remove/Add from automixer group	@set {“format”:“Norm”,“path”:/Config/MatrixRouter/Automixer_3_Output_7_Connection”,“value”:“1”}
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			<i>auto mixer number -1</i> <i>Value - .98</i>
Parameters			Query/Command :
Name	Values/range	Description	set
Auto mixer number	1-4	Auto mixer number has to be replaced with actual automixer number (conference number)	[{"path":"/Config/MatrixRouter/AutoMixer_1_MasterGain”,“value”:“0.98”,“format”:“Norm”}]
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		
Value	0.1-10		
			Response :

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		
Value	0-1		
			Response :

10.8 Mute Automixer (1-4)			
API :			Example – Mute Automixer 1
\Config\MatrixRouter\Automixer_#(auto mixer number)_MasterMute			<i>auto mixer number -1</i> <i>value -1</i>
Parameters			Query/Command :
Name	Values/range	Description	set
Auto mixer number	1-12	Auto mixer number has to be replaced with actual automixer number (conference number)	[{"path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":1,"format":"Norm"}]
Format	Norm		Response :
Value	0-1	Mute/Unmute	@set { "format":"Norm","path":"/Config/MatrixRouter/AutoMixer_1_MasterMute","value":"1" }

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/MasterPriority			
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
Format	Default		[{"path":"/Config/Blulink/Priority","value":37,"format":"Number"}]
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 :			Example
/Config/Blulink/OutputCorrectCount			
Parameters			Query/Command :
Name	Values/range	Description	
Format	Default		
			Response :

11.10 Read Input error count			
API :			Example
/Config/Blulink/InputErrorCount			
Parameters			Query/Command :
Name	Values/range	Description	
Format	Default		
			Response :

11.11 Read Output error count			
API :			Example
/Config/Blulink/OutputErrorCount			
Parameters			Query/Command :
Name	Values/range	Description	
Format	Default		
			Response :

11.12 Reset Input error			
API :			Example
/Config/Blulink/InputErrorReset			
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 :			Example
/Config/Blulink/OutputErrorReset			
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		<i>Value – 3 min</i>	
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		<i>Value – 3 sec</i>	
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		<i>Value – Locked</i>	
Parameters		Query/Command :	
Name	Values/range	Description	set
Format	Default		[{"path":"/Front Panel Lockout","value":"Locked","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		<i>Value – Locked</i>	
Parameters		Query/Command :	
Name	Values/range	Description	subscribe
Format	Number		[{"path":"/fwUpdStatus","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 - /		Arguments – name of configuration (i.e. Test)	
Command - ConfigBackup			
Parameters			Query/Command :
Name	Values/range	Description	exec
Arguments	string name of the configuration		{“path”：“/”,“command”：“ConfigBackup”,“arguments”：“Test”}
			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”) <i>Arguments – [“old name”, “new name”]</i>
Path - / Command - ConfigRename			
Parameters			Query/Command :
Name	Values/range	Description	exec
Arguments	string name of the configuration		{“path”：“/”,“command”：“ConfigRename”,“arguments”:[“Entour”,“Rumble”]}
			Response :
			@exec {“arguments”：“Command OK”,“command”：“ConfigRename”,“path”：“/”}

13.6 Reconfigure mono-stereo			
API :			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>
Path - / Command - reconfigure			
Parameters			Query/Command :
Name	Values/range	Description	
Arguments	string name of the configuration	json string representing the configuration	
			Response :

13.7 Change password			
API :		Example – Change password	
Path - /		“	
Command - pwd		<i>Arguments</i> – [“username, “new password”]	
Parameters			Query/Command :
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 :		Example – Change password	
Path - /		“	
Command - login		<i>Arguments</i> – [“username, “password”]	
Parameters			Query/Command :
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 “ <i>Arguments – ['start',fwupdate file URL]</i>
Path - / Command - fwupdate			
Parameters			Query/Command :
Name	Values/range	Description	
Arguments	string		
			Response :

13.11 Cancel firmware update			
API :		Example – Cancel firmware update	
Path - /		“	
Command - fwupdate		<i>Arguments – ['cancel']</i>	
Parameters		Query/Command :	
Name	Values/range	Description	
Arguments	string		
			Response :

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

13.13 Factory reset			
API :		Example – Factory reset	
Path - /		“	
Command - factoryreset		<i>Arguments – [‘on’]</i>	
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		<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>	
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		<i>Arguments –</i>	
Parameters		Query/Command :	
Name	Values/range	Description	exec
Arguments	string		{“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”}}
			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		<i>Arguments –</i>	
Parameters		Query/Command :	
Name	Values/range	Description	exec
Arguments	string		{“path”：“/commonConfig”,“command”：“setip”,“arguments”:{“mac”：“”,“ipv6”：“”,“ipv”：“v4”,“dhcp”：true,“ipv4”：“”,“subnet”：“”,“gateway”：“”,“name”：“eth1”}}
			Response :

15. VoIP settings (VoIP Screen)

15.1 Get account status			
API :		Example – Get status of channel 4	
/Config/VoIP/Channel_#(channel number)_AccountStatus		<i>Channel number – 4</i>	
Parameters		Query/Command :	
Name	Values/range	Description	get
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	[{"path":"/Config/VoIP/Channel_4_AccountStatus","format":"Default"}]
			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		<i>Channel number – 1</i> <i>Value - ravikant</i>	
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_UserName","value":"RaviKant","format":"Default"}]
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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	String	Valid string value	

15.4 Set Password			
API :			Example
/Config/VoIP/Channel_#(channel number)_AuthPassword			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
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" }
Value	0-1	Enable/Disable	@set { "format": "Norm", "path": "/Config/VoIP/Channel_1_StunEnabled", "value": "1" }

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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value			

15.10 Set Registration retry value			
API :			Example
/Config/VoIP/Channel_#(channel number)_RegistrationRetry			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value			

15.11 Set Proxy address			
API :			Example
/Config/VoIP/Channel_#(channel number)_ProxyAddress			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value			

15.12 Set Proxy port			
API :			Example
/Config/VoIP/Channel_#(channel number)_Proxy port			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	0-65535		

15.13 Set Signaling port			
API :			Example
/Config/VoIP/Channel_#(channel number)_SignalingPort			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	0-65535		

15.14 Set SRTP Preference			
API :			Example
/Config/VoIP/Channel_#(channel number)_SRTPPreference			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	{ disabled, optional, required)		

15.15 Set RTP Port			
API :			Example
/Config/VoIP/Channel_#(channel number)_RTPPort			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	0-65535		

15.16 Set RTP Port end			
API :			Example
/Config/VoIP/Channel_#(channel number)_RTPPortEnd			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	0-65535		

15.17 Set Ring type			
API :			Example
/Config/VoIP/Channel_#(channel number)_RingType			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	Classic, silent		

15.18 Set AutoAnswerAfter option			
API :			Example
/Config/VoIP/Channel_#(channel number)_AutoAnswerAfter			
Parameters			Query/Command :
Name	Values/range	Description	Response :
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}		

15.19 Set DTMFMode option			
API :			Example
/Config/VoIP/Channel_#(channel number)_DtmfMode			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	0-3		

15.20 Enable/Disable DTMFToneMute option			
API :			Example
/Config/VoIP/Channel_#(channel number)_DtmfToneMute			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	0-1		

15.21 Enable/Disable DTMFFixedLength option			
API :			Example
/Config/VoIP/Channel_#(channel number)_DTMFFixedLength			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	0-1		

15.22 Set DTMFOntime value (ms)			
API :			Example
/Config/VoIP/Channel_#(channel number)_DTMFOntime			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Norm		
Value	0-1		

15.25 Set DefaultTimer value			
API :			Example
/Config/VoIP/Channel_#(channel number)_DefaultTimer			
Parameters			Query/Command :
Name	Values/range	Description	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
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	Response :
Channel number	1-4	Channel number has to be replaced with actual VoIP channel number	
Format	Default		
Value	20-30	In seconds	

15.29 Enable/Disable AutoAnswer			
API :			Example – Enable autoanswer for VoIP channel 1 <i>Channel number – 1</i> <i>Value - 1</i>
/Config/VoIP/Channel_#(channel number)_AutoAnswer			
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 :
Value	0-1	Enable/Disable	@set { "format":"Norm","path":"/Config/VoIP/Channel_1_AutoAnswer","value":"1" }

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

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		
Value	0-1		
			Response :

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		
Value			
			Response :

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		
Value			Response :

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		
Value	1, 0	1 – button pressed 0 – button released	
			Response :

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		
Value	1, 0	1 – button pressed 0 – button released	
			Response :

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		
Value	1, 0	1 – button pressed 0 – button released	
			Response :

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		
Value	1, 0	1 – button pressed 0 – button released	
			Response :

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		
Value	1, 0	1 – button pressed 0 – button released	
			Response :

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		
Value	1, 0	1 – button pressed 0 – button released	
			Response :

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		
Value	1, 0	1 – button pressed 0 – button released	
			Response :

15.50 Set Transport type (General VoIP settings screen)			
API :			Example - Set Transport type <i>Value - tcp</i>
/Config/VoIP/TransportType			
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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