

## STL / Reflector EEPROM Setup Record

Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
STL	Output Audio Level	500	B500	1	3 (+3 dB)	dB volume, from -127 (muted) to +12 (maximum)
STL	Input Gain	501	B501	1	2 (0 dB)	A/D amplifier gain in 1.5dB steps starting from -3dB (value 0) to 19.5dB (value 15)
STL	Microphone Gain	502	B502	1	0 (21 dB)	Microphone gain, in 1.5 dB steps, from 21dB (value 0) to 43.5dB (value 15)
STL	Fading Effect	507	B507	1	0	0 = disabled, 1 = enabled
STL	MPEG Bitrate Mode	508	B508	1	0 (VBR)	0 = VBR, 2 = CBR
STL	MPEG Bit Reservoir	537	B537	1	0	0 = use 1 = keep empty
STL	MPEG CBR Bitrate	509	B509	1	16	1 = 8 kbps 2 = 16 kbps 3 = 24 kbps 4 = 32 kbps 5 = 40 kbps 6 = 48 kbps 7 = 56 kbps 8 = 64 kbps 10 = 80 kbps 12 = 96 kbps 14 = 112 kbps 16 = 128 kbps 18 = 144 kbps 20 = 160 kbps 24 = 192 kbps 28 = 224 kbps 32 = 256 kbps 40 = 320 kbps
STL	Input Source	510	B510	1	1	Input Source: 1 = Analog Line Stereo 129 = Analog Line Mono 2 = Microphone Input 4 = SPDIF optical 5 = SPDIF coaxial 7 = Analog Line, external ADC

## EEProm Setup Record for ABCL STL and Reflector applications – V1.05

Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
						9 = AES/EBU
STL	Audio Format	511	B511	1	2	0 = G.711 uLaw mono 1 = G.711 aLaw mono 2 = PCM 16bit mono MSB 4 = PCM 16bit stereo MSB 6 = MPEG mono 7 = MPEG stereo
STL	Sample Rate	512	B512	1	4	0 = 8 kHz 1 = 12 kHz 2 = 16 kHz 3 = 22.05 kHz 4 = 24 kHz 5 = 32 kHz 6 = 44.1 kHz 7 = 48 kHz
STL	Encoding Quality	513	B513	1	0	MPEG encoding quality, 0 (lowest) to 7(highest)
STL	Relay 5 to 8 Mode (device dependent)	From 514 to 517	B514 to B517	4	2	0 = ON while remote Input [5 to 8] ON 1 = ON while connection ON 2 = always OFF 3 = ON while incoming stream ON 4 = ON while incoming stream OFF 5 = ON while connection OFF 6 = ON while IN audio OFF 7 = PULSE ON with IN audio change 8 = ON while IN audio ON 9 = ON while OUT audio ON 10 = ON while OUT audio OFF
STL	Fault Relay (device dependent)	518	B518	1	2	2 = always OFF 4 = ON while incoming stream OFF 5 = ON while connection OFF 6 = ON while IN audio OFF 10 = ON while OUT audio OFF
STL	Output Audio Level Offset	519	B519	1	0	Volume Offset 88 = -12dB 91 = -9dB 94 = -6dB 97 = -3dB 100 = 0dB 103 = +3dB

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Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
						106 = +6dB 0 (Auto)
STL	Streaming Mode	520	B520	1	0	0=send always 1=send on input1 2=send on input2 3=send on level 4=respond 5=never (works similar like "send always")
STL	Input Trigger Level	521	W521	2	1000	Triggering input audio level if "send on level" is selected. Value 0 (lowest) to 32767 (highest).
STL	Input Inactivity Timeout	523	W523	2	1000	"Send on level" streaming stops after this number of milliseconds of no input audio signal..
STL	Output Trigger Level	527	W527	2	1000	Triggering output audio level, when relay setting "ON while OUT audio ON/OFF" is selected. Accepted range: 0-32767.
STL	Output Inactivity Timeout	538	W538	2	1000	Inactivity timeout for audio output. Used from the following features: - for "ON while OUT audio ON/OFF", to prevent fast switching of the relay contact.
STL	RTP delay	525	W525	2	600	Set the required RTP delay in milliseconds.
STL	Contact Sync	928	B928	1	0	0=disabled, 1=enabled
STL	Keep-alive period	529	B529	1	0 (passive)	Keep-alive period (mseconds/10, or 255 for disabled)
STL	Location Type	536	B536	1	0	0=Studio Encoder, 1=Transmitter Decoder, 2=Studio Encoder/Decoder, 3=Transmitter Encoder/Decoder
STL	Output Stream IP/URL	From 600 to 855	S600 to S824	32 x 8 total 256	empty	Output stream IP/URL
STL	Output Stream Method	From 856 to 863	B856 to B863	1	0	Output stream method, 0-RTP, 1-multicast, 2-BRTP (only B856)
STL	Output Stream Port	From 864 to 878	W864 to W878	2	3030	Output stream Port
STL	Incoming Stream Method	922	B922	1	0	Incoming stream method, 0-RTP, 1-multicast, 2-BRTP
STL	Incoming Stream IP/URL	890	S890	32	"0.0.0.0"	Incoming stream listening IP/URL

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Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
STL	Incoming Stream Port	534	W534	2	3030	Incoming stream listening port
STL	Relay 1 to 4 Mode	From 530 to 533	B530 to B533	1	2	0 = ON while remote Input [1 to 4] ON 1 = ON while connection ON 2 = always OFF 3 = ON while incoming stream ON 4 = ON while incoming stream OFF 5 = ON while connection OFF 6 = ON while IN audio OFF 7 = PULSE ON with IN audio change 8 = ON while IN audio ON 9 = ON while OUT audio ON 10 = ON while OUT audio OFF
STL	SNMP Destination IP(s)	540	S540	60	empty	SNMP colon separated destination IP(s)
STL	SMTP Server IP/DNS	1000	S1000	50	empty	SMTP Server IP/DNS
STL	Local e-mail (FROM:)	1050	S1050	50	empty	Local e-mail, FROM e-mail address
STL	Destination e-mail(s) (TO:)	1100	S1100	100	empty	Destination e-mail address
Reflector	Configurator Server 1	1200	S1200	32	see note	First destination server, as "us-reflector.streamguys.com"
Reflector	Configurator Server 2	1232	S1232	32	see note	Second destination server, as "eu-reflector.streamguys.com"
Reflector	Configurator Server 3	1264	S1264	32	empty	
STL	UDP/TCP Control Port for COM1	503	W503	2	0	UDP/TCP Control Port for serial gateway on COM1
STL	UDP/TCP Control Port for COM2	505	W505	2	0	UDP/TCP Control Port for serial gateway on COM2