RC-SDA+ Configuration File Formatting Guide

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This document describes the formatting requirements for the RC-SDA+ configuration file. The configuration file defines advanced settings of the RC-SDA+. DIP switch 8 must be ON (UP) to use the parameters in the configuration file. Note that DIP switches 1-7 are ignored in this mode.

File naming: Configuration files are simple text files that must start with CONFIG_SCT and have a standard ".txt" extension. The characters following CONFIG_SCT are not relevant to functionality but help identify files as defined by the installer. Example configuration file: CONFIG_SCT_default.txt

The files must be located in the root folder of a microSD card formatted in FAT or FAT32 (32GB maximum).

File Contents: The text file contains two main sections identified as the "setting" section and the "camera" section. The end of this document includes a complete example file. Comments may be added as long as they are placed between /* and */. Anything between /* and */ will be ignored by the RC-SDA+. The file contents are not case sensitive.

(1) Setting: The "setting" section will configure communication settings of the RC-SDA+.

a. 3-Pin RS232 Terminal Block Listen Mode

Example: {"listen":"enable"}

Command	<Param>	Function
"listen":"<Param>"	enable	Enables 3-pin Terminal Block (TB) RS232 port responses from the 60-pin Multi-Function Connector (MFC) RS232 port
	disable	Disables 3-pin Terminal Block (TB) RS232 port responses from the 60-pin Multi-Function Connector (MFC) RS232 port

b. **D2 Mode**

Example: {"D2":"disable"}

Command	<Param>	Function
"D2":"<Param>"	enable	Enables D2 mode to keep Poly EagleEye Director 2 awake
	disable	Disables D2 mode

c. Audio Source

Example: {"audio":"source","port":"MFC"}

Command	<Param>	Function
"audio":"source","port":"<Param>"	MFC	Selects 60-pin Multi-Function Connector as the audio source
	AudioTB	Selects 3-pin Audio-In Terminal Block as the audio source

d. Audio Output

Example: {"audio":"output","port":"unified"}

Command	<Param>	Function
{"audio":"output","port":"<Param>"	unified	Audio out is routed to the Unified USB port
	audio	Audio out is routed to the Audio USB port

e. DB9 RS232 Mode

Example: {"RS232":"DB9","mode":"POLY"}

Command	<Param>	Function

"RS232":"DB9","mode":"<Param>"	POLY	Sets the DB9 RS232 mode to Poly
	VISCA	Sets the DB9 RS232 mode to VISCA

f. MFC RS232 Mode

Example: {"RS232":"MFC","mode":"POLY"}

Command	<Param>	Function
"RS232":"MFC","mode":"<Param>"	POLY	Sets the 60-pin Multi-Function Connector (MFC) RS232 mode to Poly
	VISCA	Sets the 60-pin Multi-Function Connector (MFC) RS232 mode to VISCA

g. 3-Pin Terminal Block RS232 Mode

Example: {"RS232":"RS232TB","mode":"POLY"}

Command	<Param>	Function
"RS232":"RS232TB","mode":"<Param>"	POLY	Sets the 3-pin 3rd Party Terminal Block RS232 mode to Poly
	VISCA	Sets the 3-pin 3rd Party Terminal Block RS232 mode to VISCA

h. Camera Sleep Mode

Example: {"sleep":"mute"}

Command	<Param>	Function
"sleep":"<Param>"	mute	Sets the camera sleep mode to mute the USB video only
	park	Sets the camera sleep mode to park the camera head

i. Tracking Mode (Requires firmware v2.0 or later)

Example: {"tracking":"enable"}

Command	<Param>	Function
"tracking":"<Param>"	enable	Enables auto tracking mode on bootup if D2 mode is also enabled
	disable	Disables auto tracking mode on bootup if D2 mode is also enabled

(2) Camera: The “camera” section will set the RC-SDA+ to control proper PTZ range values of various VISCA cameras. Note: Poly cameras are not affected by this section.

a. VISCA camera make

Example: {"vendor":"Sony"}

Command	<Param>	Function
"vendor":"<Param>"	Sony	Sets the VISCA camera make to Sony

Note: At this time Sony is the only allowed setting. Other cameras that support the Sony VISCA protocol will work, however you may need to experiment with various model settings to find the correct PTZ range.

b. VISCA camera model

Example: {"model":"BRC_X400"}

Command	<Param>	Function
"model":"<Param>"	EVI_D100	Sets the VISCA camera model to EVI-D100
	EVI_D100P	Sets the VISCA camera model to EVI-D100P
	EVI_D30	Sets the VISCA camera model to EVI-D30
	EVI_D31	Sets the VISCA camera model to EVI-D31
	EVI_HD7V	Sets the VISCA camera model to EVI-HD7V
	EVI_HD3V	Sets the VISCA camera model to EVI-HD3V

	SRG_300H	Sets the VISCA camera model to SRG-300H
	SRG_120DH	Sets the VISCA camera model to SRG-120DH
	BRC_X400	Sets the VISCA camera model to BRC-X400
	BRC_X401	Sets the VISCA camera model to BRC-X401
	SRG_201M2	Sets the VISCA camera model to SRG-201M2
	SRG_X120	Sets the VISCA camera model to SRG-X120
	SRG_HD1M2	Sets the VISCA camera model to SRG-HD1M2

/* RC-SDA+ Configuration file */
/* DIP Switch 8 must be ON for the settings below to be active. DIP switches 1-7 will be ignored in this mode. */

{
"setting":[
{"listen":"enable"}, /*Enables/disables 3-pin Terminal Block(TB) RS232 port responses from the 60-pin Multi-Function Connector (MFC) RS232 port (enable/disable)*/
{"D2":"disable"}, /*Enables/disables D2 mode to keep Poly EagleEye Director 2 awake (enable/disable)*/
{"audio":"source","port":"MFC"}, /*Selects audio source between 60-pin Multi-Function port and 3-pin Audio-In Terminal Block port (MFC/AudioTB)*/
{"audio":"output","port":"unified"}, /*Selects audio out between Unified USB port and Audio-only USB port (unified/audio)*/
{"rs232":"DB9","mode":"POLY"}, /*Sets the DB9 RS232 mode (POLY/VISCA)*/
{"rs232":"MFC","mode":"POLY"}, /*Sets the 60-pin Multi-Function RS232 mode (POLY/VISCA)*/
{"rs232":"RS232TB","mode":"POLY"}, /*Sets the 3-pin 3rd Party Terminal Block RS232 mode (POLY/VISCA)*/
{"sleep":"park"}, /* Selects sleep mode between video mute and camera park (mute/park)*/
{"tracking":"enable"}], /*Enables/disables auto tracking mode on bootup if D2 mode is enabled*/
"camera":[
{"vendor":"Sony"}, /*Camera vendor name*/
{"model":"BRC_X400"} /*Camera model name*/
}