JSD-80 RS-232 Automation Control
Rev 1.0b

1.0   Description:

It is the purpose of this document to outline the automation control of the JSD-80. Primary control of the JSD-80 automation is handled via ASCII text based commands sent via RS-232. All commands must be post-fixed with a hard CR [0Dh].

1.1   Communication Settings:

The communication settings to communicate with the serial interface are as follows:

38400 BPS
8 Data Bits
NO Parity
1 Stop Bit

1.2   Command Interface:

A communication terminal program such as hyper terminal can be used for initial testing of the JSD-80 automation commands. After connecting the cabling and configuring a communication session you should see the following prompt:

00>

This prompt means the unit is currently ready to accept automation commands from a host controller. This prompt must be present before sending subsequent commands, otherwise an overflow error could occur.

1.3   Automation Commands:

The following is a list of the automation commands currently supported by the
JSD-80:

Command	Description	Example
button	Selects the format corresponding to the specified button or read which button is currently selected… Simulates pushing one of the buttons (one through eight) on the JSD front panel. If instead of a button number a question mark follows the command (after the space), the currently selected button number is returned as a 24 bit hexadecimal number. If the button number is followed by a space and an 'x' (lower case X) the preset level is excluded and the level remains unchanged.	00> button 1 00> button 8 00> button ? 000008 00> button 2 x
level	Sets the main fader level to the value specified in hexadecimal (00 to 64, corresponding to 0.0 to 10.0 - see table below). If the level command is followed by a space and then a question mark, it returns the current level as a 24 bit hexadecimal number.	00>level 46 00>level ? 000046
picver	Returns the current version of automation control software. The format returned is the revision date of the software returned as YYMMDD.	00>picver 050411
clru3 1c	mute system output	00>clru3 1c
setu3 1c	unmute system output	00>setu3 1c
date	Current date set in system	00>date
time	Current time set in system	00>time

JSD-80 RS-232 FADER COMMANDS

FADER	hex value	FADER	hex value	FADER	hex value	FADER	hex value	FADER	hex value
0.0	00	2.0	14	4.0	28	6.0	3C	8.0	50
0.1	01	2.1	15	4.1	29	6.1	3D	8.1	51
0.2	02	2.2	16	4.2	2A	6.2	3E	8.2	52
0.3	03	2.3	17	4.3	2B	6.3	3F	8.3	53
0.4	04	2.4	18	4.4	2C	6.4	40	8.4	54
0.5	05	2.5	19	4.5	2D	6.5	41	8.5	55
0.6	06	2.6	1A	4.6	2E	6.6	42	8.6	56
0.7	07	2.7	1B	4.7	2F	6.7	43	8.7	57
0.8	08	2.8	1C	4.8	30	6.8	44	8.8	58
0.9	09	2.9	1D	4.9	31	6.9	45	8.9	59
1.0	0A	3.0	1E	5.0	32	7.0	46	9.0	5A
1.1	0B	3.1	1F	5.1	33	7.1	47	9.1	5B
1.2	0C	3.2	20	5.2	34	7.2	48	9.2	5C
1.3	0D	3.3	21	5.3	35	7.3	49	9.3	5D
1.4	0E	3.4	22	5.4	36	7.4	4A	9.4	5E
1.5	0F	3.5	23	5.5	37	7.5	4B	9.5	5F
1.6	10	3.6	24	5.6	38	7.6	4C	9.6	60
1.7	11	3.7	25	5.7	39	7.7	4D	9.7	61
1.8	12	3.8	26	5.8	3A	7.8	4E	9.8	62
1.9	13	3.9	27	5.9	3B	7.9	4F	9.9	63
								10.0	64