

RS232 Vue Command List

FUNCTIONS	DESCRIPTION	EXTERNAL END REQUESTING CODE	ANDROID END REPLYING CODE (HEXADECIMAL BYTES)	NOTE
Check Device Status	Idle		55 55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 02 C0 02 00 01 00 69	Idle, Able to Receive
	Busy	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 01 C0 00 00 65	55 55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 02 C0 02 00 02 00 6A	Busy, Unable to Receive
	Abnormal		55 55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 02 C0 02 00 03 00 6B	Device Abnormal
Turn On/Off	OFF (Sleep)	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C0 01 00 5F C7	55 55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 04 C0 01 00 5F C8	
	ON	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C0 01 00 5E C6	55 55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 04 C0 01 00 5E C7	
Set Volume	0	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 00 6A	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	10	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 0A 74	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	20	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 14 7E	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	30	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 1E 88	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	40	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 28 92	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	50	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 32 9C	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	60	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 3C A6	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	70	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 46 B0	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	80	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 50 BA	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	90	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 5A C4	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
	100	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 03 C2 01 00 64 CE	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 04 C2 02 00 01 00 6D	
Check Volume	Check Current Volume	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 01 C2 00 00 67	55 55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 02 C2 01 00 64 CD	

FUNCTIONS	DESCRIPTION	EXTERNAL END REQUESTING CODE	ANDROID END REPLYING CODE (HEXADECIMAL BYTES)	NOTE
Set Brightness	0	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 00 86	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	10	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 0A 90	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	20	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 14 9A	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	30	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 1E A4	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	40	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 28 AE	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	50	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 32 B8	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	60	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 3C C2	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	70	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 46 CC	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	80	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 50 D6	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
	90	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 5A E0	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89	
100	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1F C2 01 00 64 EA	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 20 C2 02 00 01 00 89		
Check Brightness	Check Current	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1D C2 00 00 83	8535 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 06 C1 01 00 05 71	
Set Video Source	0 (HDMI1)	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 13 C2 01 00 00 7A	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 14 C2 02 00 01 00 7D	
	1 (HDMI2)	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 13 C2 01 00 01 7B	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 14 C2 02 00 01 00 7D	
	2 (HDMI3)	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 13 C2 01 00 02 7C	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 14 C2 02 00 01 00 7D	
Check Video	Check Current	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 11 C2 00 00 77	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 12 C2 01 00 02 7B	
Set Contrast	0	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 17 C2 01 00 00 7E	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 18 C2 02 00 01 00 81	
	25	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 17 C2 01 00 19 97	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 18 C2 02 00 01 00 81	
	50	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 17 C2 01 00 32 B0	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 18 C2 02 00 01 00 81	
	75	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 17 C2 01 00 4B C9	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 18 C2 02 00 01 00 81	
	100	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 17 C2 01 00 64 E2	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 18 C2 02 00 01 00 81	
Check Contrast	Check Current	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 15 C2 00 00 7B	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 0E C1 01 00 25 99	
Set OSD	Aspect Ratio 4:3	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 0F C2 01 00 01 77	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 10 C2 02 00 01 00 79	
	Aspect Ratio 16:9	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 0F C2 01 00 02 78	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 10 C2 02 00 01 00 79	
	Full Screen	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 0F C2 01 00 03 79	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 10 C2 02 00 01 00 79	

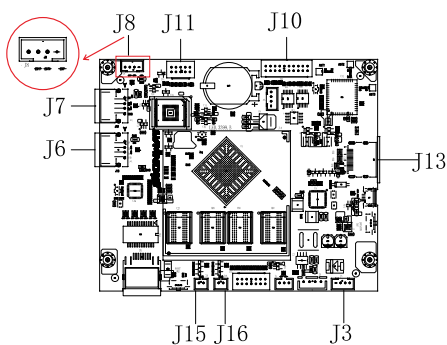
FUNCTIONS	DESCRIPTION	EXTERNAL END REQUESTING CODE	ANDROID END REPLYING CODE (HEXADECIMAL BYTES)	NOTE
Set OSD <i>Continued</i>	Original Size	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 0F C2 01 00 04 7A	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 10 C2 02 00 01 00 79	
Check OSD	Check Current	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 0D C2 00 00 73	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 0E C2 01 00 01 76	
Set Color Mode	Standard 0x01	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1B C2 01 00 01 83	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1C C2 02 00 01 00 85	
	Cold Color 0x02	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1B C2 01 00 02 84	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1C C2 02 00 01 00 85	
	Warm Color 0x03	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1B C2 01 00 03 85	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1C C2 02 00 01 00 85	
	User 0x04	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1B C2 01 00 04 86	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1C C2 02 00 01 00 85	
Check Color	Check Current	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 19 C2 00 00 7F	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 1A C2 01 00 04 85	Reply as User's
Set Red Gain	0	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 23 C2 01 00 1C A6	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 24 C2 02 00 01 00 8D	
	25	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 23 C2 01 00 4E D8	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 24 C2 02 00 01 00 8D	
	50	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 23 C2 01 00 80 0A	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 24 C2 02 00 01 00 8D	
	75	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 23 C2 01 00 B2 3C	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 24 C2 02 00 01 00 8D	
	100	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 23 C2 01 00 E3 6D	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 24 C2 02 00 01 00 8D	
Query the Current Red Gain Value		55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 21 C2 00 00 87	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 22 C2 01 00 72 FB	
Set Green Gain	0	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 27 C2 01 00 1C AA	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 28 C2 02 00 01 00 91	
	25	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 27 C2 01 00 4E DC	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 28 C2 02 00 01 00 91	
	50	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 27 C2 01 00 80 0E	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 28 C2 02 00 01 00 91	
	75	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 27 C2 01 00 B2 40	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 28 C2 02 00 01 00 91	
	100	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 23 C2 01 00 E3 71	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 28 C2 02 00 01 00 91	
Query the Current Green Gain Value		55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 25 C2 00 00 8b	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 26 C2 01 00 74 01	
Set Blue Gain	0	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 2B C2 01 00 1C AE	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 2C C2 02 00 01 00 95	
	25	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 2B C2 01 00 4E E0	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 2C C2 02 00 01 00 95	
	50	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 2B C2 01 00 80 12	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 2C C2 02 00 01 00 95	
	75	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 2B C2 01 00 B2 44	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 2C C2 02 00 01 00 95	
	100	55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 2B C2 01 00 E3 75	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 2C C2 02 00 01 00 95	
Query the Current Blue Gain Value		55 55 55 55 55 55 55 C0 01 01 01 D0 00 D1 29 C2 00 00 8F	55 55 55 55 55 55 55 C0 01 01 00 D1 01 D0 2A C2 01 00 80 11	

Applying Approach

RS232 SERIAL CONSOLE

Operating Instructions

1. Locate port J8 on the Android Module board and connect the moxlex to DB9 cable.
2. Connect the RS232 serial cable and set baud rate to 11520.0.
3. Note pin-out information in diagram.
4. Control CRN PCON500 by sending instruction to the serial port.



UDP NETWORK CONTROL

1. Ensure that the CRN PCON500 is in the same LAN as the external control device (communication port number 8600).
2. External devices send broadcast "Request Device" instructions via udp.
3. If an idle CRN PCON500 is found in the LAN, then the external device can receive the "idle, able to receive instructions" reply code. Then able to get the ip address of the CRN PCON500.
4. External equipment can control the Led All-in-One by sending instructions to the ip address of the CRN PCON500.

Pin Name Dir Description

1	CD	<--	Carrier Detect
2	RXD	<--	Receive Data
3	TXD	-->	Transmit Data
4	DTR	-->	Data Terminal Ready
5	GND	--	System Ground
6	DSR	<--	Data Set Ready
7	RTS	-->	Request to Send
8	CTS	<-	Clear to Send
9	RI	<-	Ring Indicator

