



Application Note

LH5510HSHB-B1
 LH7510USHB-B1
 S2820HSB-B1
 S3820HSB-B1

RS232 SERIAL INTERFACE COMMUNICATION PROTOCOL

UART Protocol[Baud rate : 19200 bps(AD2662) / Data bits : 8 bits / Parity : None / Stop bit : 1] for LH7510USHB - Baud rate : 9600 bps									return to PC									
Function	CMD[0]	CMD[1]	CMD[2]	CMD[3]	CMD[4]	CMD[5]	CMD[6]	CMD[7]	Status	ACK[0]	ACK[1]	ACK[2]	ACK[3]	ACK[4]	ACK[5]	ACK[6]	ACK[7]	Remark
Power Off	04	12	80	8A					Success	03	0C	F1						
Power On	04	12	81	89					Success	03	0C	F1						
Read AD Board setting	04	12	82	88					Result	08	aa	bb	cc	dd	ee	ff	CRC	aa : Power Status(0->off, 1->on) bb : Brightness Value(0~100) cc : Contrast Value(0~100) dd : Volume Value(0~100) ee : Source(1~7) 1=VGA, 2=DVI, 3=HDMI, 4=AV, 5=SVIDEO, 6=YBPBR, 7=DP ff : Source Enable Status bit 0 : VGAenable : 1, disable : 0 bit 1 : DVlenable : 1, disable : 0 bit 2 : HDMLenable : 1, disable : 0 bit 3 : AVenable : 1, disable : 0 bit 4 : SVIDEOenable : 1, disable : 0 bit 5 : YBPBRenable : 1, disable : 0 bit 6 : DPenable : 1, disable : 0
Write P.Q. Value to Buffer(1)	08	11	01	00	00	00	Value	CRC	Success	03	0C	F1						Step 1
Write Brightness Value to AD Board(2)	04	12	83	87					Success	03	0C	F1						Step 2
Write Contrast Value to AD Board(2)	04	12	84	86					Success	03	0C	F1						Step 2
Write Volume Value to AD Board(2)	04	12	85	85					Success	03	0C	F1						Step 2
Source Change(2)	04	12	86	84					Success	03	0C	F1						1=VGA, 2=DVI, 3=HDMI, 4=AV, 5=SVIDEO, 6=YBPBR, 7=DP Step 2

NOTE: The commands provided in this document are a standard set.

Functionality is guaranteed only of the commands/functions which are also available in the OSD Menu of the display.

Functionality of commands listed in this document but not available in the OSD Menu cannot be guaranteed.