ELITE PLASMA DISPLAY RS-232C Control

PRO-1010HD & PRO-810HD

March 2005

RS232C Control for Pioneer Plasma Displays

1. Communication conditions

1.1 Communication mode

The default communication mode for many of the newer displays is SR+ mode. In this mode the display will not receive RS232C commands.

Before using RS232C control you must set the communication mode.

The remote control can be used to change the communication mode.

(Note) RS232C control and SR+ function cannot be used simultaneously.

1.2 Communication mode and baud rate selection

1.2.1 Communication mode and baud rate selected by Integrator menu

Push Menu key then push Power key within 3 seconds. The Integrator Menu will appear similar to this picture.

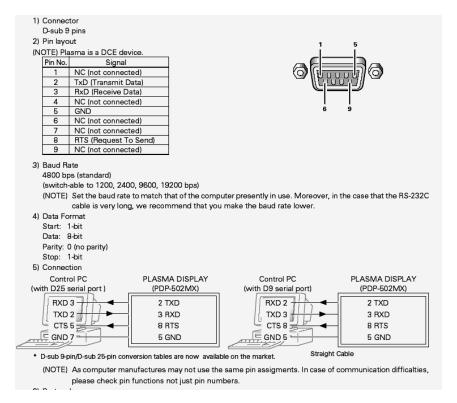


In this menu the user can change the communication mode and baud rate using the Left and Right keys. UART SELECT: 9600bps(SR+)/1200bps/2400bps4800bps/9600bps(232C)/19200bps/38400bps

Push the Menu key to close the Integrator Menu and return to normal operation.

1.3 RS-232C Cable & Communication Settings

All plasma display models EXCEPT the PRO-1410HD use a Straight or Pass-Through Cable



2. Communication procedure

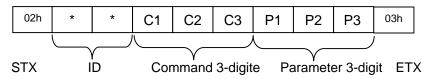
Send control commands from a compute via the RS-232C connection.

The display operates according to the received command and sends a response message to the computer.

Do not send multiple commands at the same time. Wait until the computer receives the OK response before sending the next command.

2.1 Command Format with parameter

These are examples and may not apply specifically to the model that you are controlling: please check the model specific control charts that follow.



STX	Start condition (fixed value 02h)
ID	Fixed value **
Command	3byte (ASCII)
Parameter	3byte (ASCII)
ETX	Stop condition (fixed value 03h)

Parameter

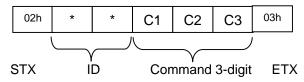
Parameter	Description
000~999	
Upn	Up n step
DWn	Down n step

Command example

Up volume 1 step: 02, **, VOL, UP1, 03

	•									
	02h	*	*	٧	0	L	U	Р	1	03h
Set volume at 10: 02, **, VOL, 010, 03										
	02h	*	*	٧	0	L	0	1	0	03h

2.2 Command Format without parameter



STX	Start condition (fixed value 02h)		
ID	Fixed value **		
Command	3byte (ASCII)		
ETX	Stop condition (fixed value 03h)		

Command example

Power On: 02, **, PON, 03

	02h	*	*	Р	0	Z	03h
S	Select INPUT 2: 02, **, IN2, 03						
	02h	*	*	I	Z	2	03h

2.5 Restriction

- 1. GUI is not displayed about the operation when using RS232C.
- 2. Last memory is not carried out about the operation by RS232C.
- 3. When input selection is performed by RS232C command (IN1...IN5/INA) PIP is canceled and the single screen display of the input that was chosen appears..

3. Commands for PRO-1010/810HD

		Function	Note
Command Parameter			
PON		Power ON	
POF		Power Off	
INP	S01	Input 1	No space required between commands
	S02	Input 2	and parameters.
	S03	Input 3	Example: INPS01 = Input 1
	S04	Input 4	
	S05	Input 5	
VOL	***	Volume***	Example - VOL033
VOL	UP*	Volume Up * (* = 1, 2, 3, etc.)	
VOL	DW*	Volume Down* (* = 1, 2, 3, etc.)	
AMT	S00	Mute Off	
	S01	Mute On	
SZM	S00	Screen Size:DOT BY DOT	For PC
	S01	Screen Size:4:3	
	S02	Screen Size:FULL	
	S03	Screen Size *: ZOOM	
	S04	Screen Size:CINEMA	
↓	S05	Screen Size *: WIDE	
OSD	S00	OSD display OFF	
\downarrow	S01	OSD display ON	
AVS	S01	AV Selection: STANDARD	
AVS	S02	AV Selection: DYNAMIC	
AVS	S03	AV Selection: MOVIE	
AVS	S04	AV Selection: GAME	
AVS	S07	AV Selection: USER	
AVS	S08	AV Selection: ISF-DAY	After calibration only.
AVS S09 AV Selection: ISF-NIGHT		AV Selection: ISF-NIGHT	After calibration only.
SZM		Display Current Screen Size Setting	
GDI		Acquire Current Status Command	Not On-screen, May be useful for feedback
INP		Display Input for Current Main Picture	On-Screen Input, Size, & A/V Mode