RS232 User Manual

Planar PS Series 4K Displays

PS5074K | PS5074K-N
PS5074KT | PS5074KT-N
PS5574K | PS5574K-N
PS5574KT | PS5574KT-N
PS6574K | PS6574K-N
PS6574KT | PS6574KT-N

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Part Number: 020-1389-00B

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RS232 Codes

RS232 control is not necessary for operation but is a convenient way to control displays from a computer at a distance. Most things you can do with the remote, you can do with RS232 commands. Plus, you can send inquiries to the displays and find out the current settings and values.

1. RS232 Command Format

Commands sent from the initiator to the follower must have the following format:

(www:xyz) [CR]

Where:

- '(' and ')' indicate the start and end of the command data. If these characters are present, the command processor shall assume that "valid" command data is present in the command string. If these characters are not present in the command, the command processor shall assume the data is not valid command data and ignore it.
- "www" indicates the command code. This field is case insensitive (i.e. "PWR", "pwr" and "PwR" should all be treated as "PWR").
- ":x" is the destination parameter. This is an optional parameter that indicates which memory the command is referencing. This parameter is reserved and shall not be used at this time.
- "y" is the operand, which can have one of the following values:
    - '?' = "Get" operand
    - '=' = "Set" operand
    - '+' = "Increment" operand
    - '-' = "Decrement" operand
- "z" is the value to set for this parameter. It can have one of two formats:
    - Integer value: Any positive or negative number (example: 100)
    - String value: Any string surrounded by double quotes (example: "This is a string")
- "[CR]" is the ASCII carriage return key (0x0D).

Responses sent from the follower to the initiator shall have the following format:

(u;www:x=z) [CR] [LF]

Where:

- '(' and ')' indicate the start and end of the command data. If these characters are present, the command processor shall assume that "valid" command data is present in the command string. If these characters are not present in the command, the command processor shall assume the data is not valid command data and ignore it.
- "u;" indicates the response code. This is only used by followers responding to a valid command received. For any response code other than 0, the follower shall echo back the command received rather than filling in the fields listed below. The following response codes can be used:
    - 0 = Command successfully processed
    - 1 = Unknown command code
    - 2 = Invalid operator
    - 3 = Destination parameter not supported
    - 4 = Setting not available
    - 5 = Setting value not available
    - 6 = Setting value not supported
    - 7 = String too long
    - 8 = Command not supported in standby mode
    - 9 = Invalid parameter
    - 10 = Error processing command
    - 11 = Password not entered
- "www" indicates the command code sent by the follower. This field is case insensitive (i.e. "PWR", "pwr" and "PwR" should all be treated as "PWR").
- ":x" is the destination parameter. This is an optional parameter that indicates which memory the response is referencing. This parameter is reserved and shall not be used at this time.
- "z" is the new value (for set/increment/decrement commands) or the current value (for get commands) for this parameter. It can have one of two formats:
- Integer value: Any positive or negative number (example: 100)
- String value: Any string surrounded by double quotes (example: "This is a string")
- "[CR]" is the ASCII carriage return key (0x0D).
- "[LF]" is the ASCII line feed character (0x0A).

2. Connection Setting

The RS232 connection must use the following settings:

Baud Rate	Data Bit	Parity Bit	Stop Bit	HW (RTS/CTS) or SW (XON/XOFF)
19200	8	None	1	None

The display's RS232 connector is wired in the straight through configuration, with the pinout as follows:

- Pin 2: Tx out
- Pin 3: Rx in
- Pin 5: Ground
- Shell: Ground
- All other pins: No connect

Note: RS232 commands over LAN can be achieved by opening a TCP connection on Port 23 to the display.

Note: RS232 and LAN functionality will not work in standby mode if Power Saving Config is set to Standby Mode. Use another Power Saving Config selection if RS232 or LAN support is needed. Consult the Planar PS Series 4K Displays User Manual for more information.

Note: When the Power Saving Config setting is set to Networked Standby, the display's LAN connection will only recognize the Wake-on-LAN magic packet. Other serial commands are not recognized in standby. If full LAN serial command support is required in standby, use the Wake on All or Always On settings. Consult the Planar PS Series 4K Displays User Manual for more information.

3. Command Tables

Note: Certain commands are only available in later versions of firmware. Please upgrade to the latest firmware version if unsupported commands are encountered.

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Power Control	On (soft power)	PWR	1	(PWR?)	(PWR=1)	(PWR+)	(PWR-)
	Off (soft power)		0		(PWR=0)		
Input Source	VGA	INS	0	(INS?)	(INS=0)	(INS+)	(INS-)
	HDMI 1		1		(INS=1)		
	HDMI 2		2		(INS=2)		
	DP 1		3		(INS=3)		
	Android		4		(INS=4)		
	Web Browser		5		(INS=5)		
	Android App		7		(INS=7)		
Backlight Level		BKL	15~100	(BKL?)	(BKL=100)	(BKL+)	(BKL-)
Brightness		BRT	0~100	(BRT?)	(BRT=50)	(BRT+)	(BRT-)
Backlight	On (Backlight)	BLE	1	(BLE?)	(BLE=1)	(BLE+)	(BLE-)
	Off (Backlight)		0		(BLE=0)		
Contrast		CON	0~100	(CON?)	(CON=50)	(CON+)	(CON-)
Sharpness		SHP	0~100	(SHP?)	(SHP=10)	(SHP+)	(SHP-)
Hue		TNT	0~100	(TNT?)	(TNT=50)	(TNT+)	(TNT-)
Saturation		CLR	0~100	(CLR?)	(CLR=50)	(CLR+)	(CLR-)
Scheme	Standard	MMP	1	(MMP?)	(MMP=1)	(MMP+)	(MMP-)
	Soft		2		(MMP=2)		
	User		3		(MMP=3)		
	Vivid		7		(MMP=7)		
	Natural		8		(MMP=8)		
	Sports		9		(MMP=9)		

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Color Temperature	9300K	CTS	0	(CTS?)	(CTS=0)	(CTS+)	(CTS-)
	6500K		1		(CTS=1)		
	5000K		2		(CTS=2)		
	User		3		(CTS=3)		
	7500K		4		(CTS=4)		
	3200K		5		(CTS=5)		
Gamma	Off	GMS	0	(GMS?)	(GMS=0)	(GMS+)	(GMS-)
	1.85		1		(GMS=1)		
	1.9		2		(GMS=2)		
	1.95		3		(GMS=3)		
	2.0		4		(GMS=4)		
	2.05		5		(GMS=5)		
	2.1		6		(GMS=6)		
	2.15		7		(GMS=7)		
	2.2		8		(GMS=8)		
	2.25		9		(GMS=9)		
	2.3		10		(GMS=10)		
	2.35		11		(GMS=11)		
	2.4		12		(GMS=12)		
	2.45		13		(GMS=13)		
	2.5		14		(GMS=14)		
	2.55		15		(GMS=15)		
	2.6		16		(GMS=16)		

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Red Gain	Red Gain	DRG	0~256	(DRG?)	(DRG=100)	(DRG+)	(DRG-)
Green Gain	Green Gain	DGG	0~256	(DGG?)	(DGG=100)	(DGG+)	(DGG-)
Blue Gain	Blue Gain	DBG	0~256	(DBG?)	(DBG=100)	(DBG+)	(DBG-)
Red Offset	Red Offset	DRO	0~256	(DRO?)	(DRO=100)	(DRO+)	(DRO-)
Green Offset	Green Offset	DGO	0~256	(DGO?)	(DGO=100)	(DGO+)	(DGO-)
Blue Offset	Blue Offset	DBO	0~256	(DBO?)	(DBO=100)	(DBO+)	(DBO-)
Phase	Phase	PHS	50	(PHS?)	(PHS=50)	(PHS+)	(PHS-)
Clock	Clock	TRK	0~100	(TRK?)	(TRK=50)	(TRK+)	(TRK-)
Horizontal Position	Horz Position	IPL	0~100	(IPL?)	(IPL=50)	(IPL+)	(IPL-)
Vertical Position	Vert Position	IPU	0~100	(IPU?)	(IPU=50)	(IPU+)	(IPU-)
Auto Adjust	Auto Adjust	ACB	1	N/A	(ACB=1)	(ACB+)	(ACB-)
Current Time Year	Year	CTY		(CTY?)	(CTY=2019)	(CTY+)	(CTY-)
Current Time Month	Month	CTM	1~12	(CTM?)	(CTM=12)	(CTM+)	(CTM-)
Current Time Day	Day	CTD	1~31	(CTD?)	(CTD=31)	(CTD+)	(CTD-)
Current Time Hour	Hour	CTH	0~23	(CTH?)	(CTH=23)	(CTH+)	(CTH-)
Current Time Minute	Minute	CTN	0~59	(CTN?)	(CTN=59)	(CTN+)	(CTN-)
Timer Mode	Everyday Mode	TMS	0	(TMS?)	(TMS=0)	(TMS+)	(TMS-)
	Workday Mode		1		(TMS=1)		
	User Mode		2		(TMS=2)		
Alarm Enable	Sunday	AEN	1	(AEN?)	(AEN=1)	(AEN+)	(AEN+)
	Monday		2		(AEN=2)		
	Tuesday		4		(AEN=4)		
	Wednesday		8		(AEN=8)		

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Alarm Enable	Thursday	AEN	16	(AEN?)	(AEN=16)	(AEN+)	(AEN+)
	Friday		32		(AEN=32)		
	Saturday		64		(AEN=64)		
Alarm Disable	Sunday	AEF	1	(AEF?)	(AEF=1)	(AEF+)	(AEF+)
	Monday		2		(AEF=2)		
	Tuesday		4		(AEF=4)		
	Wednesday		8		(AEF=8)		
	Thursday		16		(AEF=16)		
	Friday		32		(AEF=32)		
	Saturday		64		(AEF=64)		
Sunday On Hour		SNH	0~23	(SNH?)	(SNH=23)	(SNH+)	(SNH-)
Sunday On Minute		SNM	0~59	(SNM?)	(SNM=59)	(SNM+)	(SNM-)
Sunday Off Hour		SFH	0~23	(SFH?)	(SFH=23)	(SFH+)	(SFH-)
Sunday Off Minute		SFM	0~59	(SFM?)	(SFM=59)	(SFM+)	(SFM-)
Monday On Hour		NNH	0~23	(NNH?)	(NNH=23)	(NNH+)	(NNH-)
Monday On Minute		NNM	0~59	(NNM?)	(NNM=59)	(NNM+)	(NNM-)
Monday Off Hour		NFH	0~23	(NFH?)	(NFH=23)	(NFH+)	(NFH-)
Monday Off Minute		NFM	0~59	(NFM?)	(NFM=59)	(NFM+)	(NFM-)
Tuesday On Hour		ENH	0~23	(ENH?)	(ENH=23)	(ENH+)	(ENH-)
Tuesday On Minute		ENM	0~59	(ENM?)	(ENM=59)	(ENM+)	(ENM-)
Tuesday Off Hour		EFH	0~23	(EFH?)	(EFH=23)	(EFH+)	(EFH-)
Tuesday Off Minute		EFM	0~59	(EFM?)	(EFM=59)	(EFM+)	(EFM-)
Wednesday On Hour		DNH	0~23	(DNH?)	(DNH=23)	(DNH+)	(DNH-)
Wednesday On Minute		DNM	0~59	(DNM?)	(DNM=59)	(DNM+)	(DNM-)
Wednesday Off Hour		DFH	0~23	(DFH?)	(DFH=23)	(DFH+)	(DFH-)
Wednesday Off Minute		DFM	0~59	(DFM?)	(DFM=59)	(DFM+)	(DFM-)

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Thursday On Hour		UNH	0~23	(UNH?)	(UNH=23)	(UNH+)	(UNH-)
Thursday On Minute		UNM	0~59	(UNM?)	(UNM=59)	(UNM+)	(UNM-)
Thursday Off Hour		UFH	0~23	(UFH?)	(UFH=23)	(UFH+)	(UFH-)
Thursday Off Minute		UFM	0~59	(UFM?)	(UFM=59)	(UFM+)	(UFM-)
Friday On Hour		INH	0~23	(INH?)	(INH=23)	(INH+)	(INH-)
Friday On Minute		INM	0~59	(INM?)	(INM=59)	(INM+)	(INM-)
Friday Off Hour		IFH	0~23	(IFH?)	(IFH=23)	(IFH+)	(IFH-)
Friday Off Minute		IFM	0~59	(IFM?)	(IFM=59)	(IFM+)	(IFM-)
Saturday On Hour		TNH	0~23	(TNH?)	(TNH=23)	(TNH+)	(TNH-)
Saturday On Minute		TNM	0~59	(TNM?)	(TNM=59)	(TNM+)	(TNM-)
Saturday Off Hour		TFH	0~23	(TFH?)	(TFH=23)	(TFH+)	(TFH-)
Saturday Off Minute		TFM	0~59	(TFM?)	(TFM=59)	(TFM+)	(TFM-)
Volume		VOL	0~100	(VOL?)	(VOL=50)	(VOL+)	(VOL-)
Bass		BAS	-50~50	(BAS?)	(BAS=50)	(BAS+)	(BAS-)
Treble		TRB	-50~50	(TRB?)	(TRB=50)	(TRB+)	(TRB-)
Balance		BLA	-50~50	(BLA?)	(BLA=50)	(BLA+)	(BLA-)
Audio Source Select	Default	AUS	0	(AUS?)	(AUS=0)	(AUS+)	(AUS-)
	Audio In	AUS	1	(AUS?)	(AUS=1)	(AUS+)	(AUS-)
Internal Speakers	Off	SPK	0	(SPK?)	(SPK=0)	(SPK+)	(SPK-)
	On	SPK	1	(SPK?)	(SPK=1)	(SPK+)	(SPK-)
Mute	On	MUT	0	(MUT?)	(MUT=0)	(MUT+)	(MUT-)
	Off	MUT	1	(MUT?)	(MUT=1)	(MUT+)	(MUT-)
OSD Transparency		TSP	0~10	(TSP?)	(TSP=10)	(TSP+)	(TSP-)
OSD H Position		OSD	0~100	(OSD?)	(OSD=100)	(OSD+)	(OSD-)

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
OSD V Position		OSV	0~100	(OSV?)	(OSV=100)	(OSV+)	(OSV-)
OSD Rotation	Landscape	ROT	0	(ROT?)	(ROT=0)	(ROT+)	(ROT-)
	Portrait		1		(ROT=1)		
OSD Language	English	LAN	0	(LAN?)	(LAN=0)	(LAN+)	(LAN-)
	French		1		(LAN=1)		
	German		2		(LAN=2)		
	Spanish		3		(LAN=3)		
	Chinese (Traditional)		4		(LAN=4)		
	Chinese (Simplified)		5		(LAN=5)		
	Japanese		6		(LAN=6)		
	Italian		7		(LAN=7)		
	Portuguese		8		(LAN=8)		
OSD Timeout	Off	OTM	0	(OTM?)	(OTM=0)	(OTM+)	(OTM-)
	5 seconds		5		(OTM=5)		
	10 seconds		10		(OTM=10)		
	20 seconds		20		(OTM=20)		
	30 seconds		30		(OTM=30)		
	60 seconds		60		(OTM=60)		
Splash Screen	Off	SPE	0	(SPE?)	(SPE=0)	(SPE+)	(SPE-)
	On		1		(SPE=1)		
Message Box	Off	OSM	0	(OSM?)	(OSM=0)	(OSM+)	(OSM-)
	On		1		(OSM=1)		
HDMI 1 EDID	HDMI1.4	EH1	1	(EH1?)	(EH1=1)	(EH1+)	(EH1-)
	HDMI2.0		2		(EH1=2)		
HDMI 2 EDID	HDMI1.4	EH2	1	(EH2?)	(EH2=1)	(EH2+)	(EH2-)
	HDMI2.0		2		(EH2=2)		
DP EDID	4K30Hz	ED1	1	(ED1?)	(ED1=1)	(ED1+)	(ED1-)
	4K60Hz		2		(ED1=2)		

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Aspect Ratio	Full Screen	ASP	1	(ASP?)	(ASP=1)	(ASP+)	(ASP-)
	4:3		2		(ASP=2)		
	Letterbox		8		(ASP=8)		
	Native		9		(ASP=9)		
Overscan		OVS	0~10	(OVS?)	(OVS=10)	(OVS+)	(OVS-)
Baud Rate	9600	DBR	0	(DBR?)	(DBR=0)	(DBR+)	(DBR-)
	19200		1		(DBR=1)		
	38400		2		(DBR=2)		
	115200		3		(DBR=3)		
Power Saving Config	Standby Mode	PSC	0	(PSC?)	(PSC=0)	(PSC+)	(PSC-)
	Wake on All		1		(PSC=1)		
	Always On		2		(PSC=2)		
	Network Standby Mode		3		(PSC=3)		
Auto Scan	Off	ATS	0	(ATS?)	(ATS=0)	(ATS+)	(ATS-)
	On		1		(ATS=1)		
Pixel Orbit	Off	PXO	0	(PXO?)	(PXO=0)	(PXO+)	(PXO-)
	On		1		(PXO=1)		
Power LED	Off	SBL	0	(SBL?)	(SBL=0)	(SBL+)	(SBL-)
	On		1		(SBL=1)		
RGB Color Range	0~255	CLS	2	(CLS?)	(CLS=2)	(CLS+)	(CLS-)
	16~235		3		(CLS=3)		
	Auto		4		(CLS=4)		
Touch Control	Auto	TUC	0	(TUC?)	(TUC=0)	(TUC+)	(TUC-)
	Internal		1		(TUC=1)		
	External		2		(TUC=2)		

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Remote Control	Power	KEY	0	(KEY?)	(KEY=0)	(KEY+)	(KEY-)
	Mute		1		(KEY=1)		
	1		2		(KEY=2)		
	2		3		(KEY=3)		
	3		4		(KEY=4)		
	4		5		(KEY=5)		
	5		6		(KEY=6)		
	6		7		(KEY=7)		
	7		8		(KEY=8)		
	8		9		(KEY=9)		
	9		10		(KEY=10)		
	0		11		(KEY=11)		
	Sleep		12		(KEY=12)		
	Info		13		(KEY=13)		
	Picture Mode		14		(KEY=14)		
	Sound Mode		15		(KEY=15)		
	Input source		16		(KEY=16)		
	Auto		17		(KEY=17)		
	Up		18		(KEY=18)		
	Down		19		(KEY=19)		
	Left		20		(KEY=20)		
	Right		21		(KEY=21)		
	Enter		22		(KEY=22)		
	Exit		23		(KEY=23)		
	Menu		24		(KEY=24)		
	Volume+		25		(KEY=25)		
	Volume-		26		(KEY=26)		

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Remote Control	Aspect Ratio	KEY	27	(KEY?)	(KEY=27)	(KEY+)	(KEY-)
	Freeze		28		(KEY=28)		
	Root		29		(KEY=29)		
Reset All		SYS	1	(SYS?)	(SYS=1)	(SYS+)	(SYS-)
Key Lock	Unlock	KLO	0	(KLO?)	(KLO=0)	(KLO+)	(KLO-)
	Lock		1		(KLO=1)		
Read Serial Number		ISN		(ISN?)	(ISN=)	(ISN+)	(ISN-)
Read Model Name		MDL		(MDL?)	(MDL=)	(MDL+)	(MDL-)
Read Firmware Version		IFV		N/A	(IFV=)	(IFV+)	(IFV-)
Network Enable	Off	NEN	0	(NEN?)	(NEN=0)	(NEN+)	(NEN-)
	On		1		(NEN=1)		
DHCP	Disable	DIP	0	N/A	(DIP=0)	(DIP+)	(DIP-)
	Enable		1		(DIP=1)		
Power Status Alert	Off	PSA	0	(PSA?)	(PSA=0)	(PSA+)	(PSA-)
	On		1		(PSA=1)		
Source Status Alert	Off	SSA	0	(SSA?)	(SS=0)	(SSA+)	(SSA-)
	On		1		(SSA=1)		
Signal Lost Alert	Off	SLA	0	(SLA?)	(SLA=0)	(SLA+)	(SLA-)
	On		1		(SLA=1)		
Static IP Address 1		IP1	0~255	(IP1?)	(IP1=255)	(IP1+)	(IP1-)
Static IP Address 2		IP2	0~255	(IP2?)	(IP2=255)	(IP2+)	(IP2-)
Static IP Address 3		IP3	0~255	(IP3?)	(IP3=255)	(IP3+)	(IP3-)
Static IP Address 4		IP4	0~255	(IP4?)	(IP4=255)	(IP4+)	(IP4-)

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
Subnet Mask 1		MK1	0~255	(MK1?)	(MK1=255)	(MK1+)	(MK1-)
Subnet Mask 2		MK2	0~255	(MK2?)	(MK2=255)	(MK2+)	(MK2-)
Subnet Mask 3		MK3	0~255	(MK3?)	(MK3=255)	(MK3+)	(MK3-)
Subnet Mask 4		MK4	0~255	(MK4?)	(MK4=255)	(MK4+)	(MK4-)
Gateway 1		GW1	0~255	(GW1?)	(GW1=255)	(GW1+)	(GW1-)
Gateway 2		GW2	0~255	(GW2?)	(GW2=255)	(GW2+)	(GW2-)
Gateway 3		GW3	0~255	(GW3?)	(GW3=255)	(GW3+)	(GW3-)
Gateway 4		GW4	0~255	(GW4?)	(GW4=255)	(GW4+)	(GW4-)
DNS Address 1		DN1	0~255	(DN1?)	(DN1=255)	(DN1+)	(DN1-)
DNS Address 2		DN2	0~255	(DN2?)	(DN2=255)	(DN2+)	(DN2-)
DNS Address 3		DN3	0~255	(DN3?)	(DN3=255)	(DN3+)	(DN3-)
DNS Address 4		DN4	0~255	(DN4?)	(DN4=255)	(DN4+)	(DN4-)
Save Static IP Settings		SIP	1	(SIP?)	(SIP=1)	(SIP+)	(SIP-)
MAC Address 1	Ethernet MAC	MA1	0	(MA1?)	(MA1=0)	(MA1+)	(MA1-)
MAC Address 2	WiFi MAC	MA2	0	(MA2?)	(MA2=0)	(MA2+)	(MA2-)
CEC Enable	Off	CEC	1	(CEC?)	(CEC=0)	(CEC+)	(CEC-)
	On		1		(CEC=1)		
Auto Standby	Off	CAS	1	(CAS?)	(CAS=1)	(CAS+)	(CAS-)
	On		0		(CAS=0)		
Control Over TCP	Off	CTE	0	(CTE?)	(CTE=0)	(CTE+)	(CTE-)
	On		1		(CTE=1)		

Setting	Description	Serial CMD	Serial Value	Read Command String	Write Command String	Increment Command String	Decrement Command String
24-Hour Format	Off	HFT	0	(HFT?)	(HFT=0)	(HFT+)	(HFT+)
	On		1		(HFT=1)		
Noise Reduction	Off	NOR	0	(NOR?)	(NOR=0)	(NOR+)	(NOR)
	Low		1		(NOR=1)		
	Medium		2		(NOR=2)		
	High		3		(NOR=3)		
	Auto		4		(NOR=4)		
Navigation Bar	Off	NVB	0	(NVB?)	(NVB=0)	(NVB+)	(NVB-)
	On		1		(NVB=1)		
Power On Input	VGA	POI	0	(POI?)	(POI=0)	(POI+)	(POI-)
	HDMI2		23		(POI=23)		
	HDMI1		24		(POI=24)		
	DP		25		(POI=25)		
	Android		34		(POI=34)		
	Web Browser		35		(POI=35)		
	Last Input		44		(POI=44)		
Smart Light Control	Off	SLC	0	(SLC?)	(SLC=0)	(SLC+)	(SLC-)
	On		1		(SLC=1)		
SMTP Enable	Off	SME	0	(SME?)	(SME=0)	(SME+)	(SME-)
	On		1		(SME=1)		
Server	Gmail	SSR	0	(SSR?)	(SSR=0)	(SSR+)	(SSR-)
	Other		1		(SSR=1)		
Use Network Time	Off	UNT	0	(UNT?)	(UNT=0)	(UNT+)	(UNT-)
	On		1		(UNT=1)		
WiFi Hotspot Enable	Disable	WHE	0	(WHE?)	(WHE=0)	(WHE+)	(WHE-)
	Enable		1		(WHE=1)		
WLAN Save Static IP Settings		WSS	1	(WSS?)	(WSS=1)	(WSS+)	(WSS-)

4. Example

Power Control

Turn monitor power on [CMD: PWR]

[Command] : (PWR=1) [CR]

[Response] : (0;PWR=1) [CR]

Turn monitor power off [CMD: PWR]

[Command] : (PWR=0) [CR]

[Response] : (0;PWR=0) [CR]

Display Adjustment

Increase brightness from 24 to 25 to monitor [CMD: BRI]

[Command] : (BRT+) [CR]

[Response] : (0;BRT=25) [CR]

Other Control

Invalid command code [CMD: ZZZ]

[Command] : (ZZZ=0) [CR]

[Response] : (1;ZZZ=0) [CR]

Invalid parameter (string instead of int) [CMD: CON]

[Command] : (CON=”Some string”) [CR]

[Response] : (9;CON=”Some string”) [CR]

Accessing Planar's Technical Support Website

Go to www.planar.com/support to locate the following support documents and resources:

- User Guide
- RS232 User Manual
- Touchscreen drivers
- Standard warranties
- Planar support hotline number and email