

RS232C Serial Commad List

Model: Interactive Plasma Display TH-65PB2/TH-50PB2

2013/8/28
Panasonic Corporation

Category	Function	Control commands	Query commands		Parameters	Parameters Explanation		
			Transmission	Reply				
Basic Controls	Power ON	PON	QPW	QPW:**	0/1	Off/On		
	Power OFF	POF						
	Input select	IMS:**	QMI	QMI:**	SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1/WB1	SLOT(A/B)/VIDEO/COMPONENT/HDMI/DVI/HX/NETWORK/WHITEBOARD		
	Input select(toggle)	IMS						
	Volume	AVL:**						
	Volume up	AUU	QAV	QAV:**	00 ~ 63	0 ~ 63		
	Volume down	AUD						
	Audio mute	AMT:**	QAM	QAM:**	0/1	Off/On		
	Audio mute(toggle)	AMT						
	Video mute	VMT:**	QVM	QVM:**	0/1	Off/On		
	Video mute(toggle)	VMT						
	Aspect select	DAM:**	QAS	QAS:**	ZOOM/FULL/JUST/NORM/ZOM2/ZOM3/SJST/SNOM/SFUL/14:9	Zoom/16:9/Just/4:3/Zoom2/Zoom3/Side cut Just/4:3 Side cut/4:3 Full/14:9		
Aspect select(toggle)	DAM							
P i c t u r e	Picture Mode	VPC: MEN***	QPC: MEN	QPC: MEN***	STD/DYN/CNM/MON	Normal/Dynamic/Cinema/Monitor		
	Contrast	VPC: PIC***	QPC: PIC	QPC: PIC***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	brightness	VPC: BLK***	QPC: BLK	QPC: BLK***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	Colour	VPC: COL***	QPC: COL	QPC: COL***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	Hue	VPC: TIN***	QPC: TIN	QPC: TIN***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	Sharpness	VPC: SHP***	QPC: SHP	QPC: SHP***	-15 ~ 000 ~ +15(015)	-15 ~ 15		
	White balance	VPC: TMP***	QPC: TMP	QPC: TMP***	WRM/MID/COL	Warm/Normal/Cool		
	Black extension	VWB: BEX***	QWB: BEX	QWB: BEX***	000 ~ 008	0 ~ 8		
	Input level	VWB: ILV***	QWB: ILV	QWB: ILV***	-32 ~ 000 ~ +32(032)	-32 ~ 32		
	W/B High R	VWB: RDR***	QWB: RDR	QWB: RDR***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	W/B High G	VWB: GDR***	QWB: GDR	QWB: GDR***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	W/B High B	VWB: BDR***	QWB: BDR	QWB: BDR***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	W/B Low R	VWB: RCT***	QWB: RCT	QWB: RCT***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	W/B Low G	VWB: GCT***	QWB: GCT	QWB: GCT***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	W/B Low B	VWB: BCT***	QWB: BCT	QWB: BCT***	-30 ~ 000 ~ +30(030)	-30 ~ 30		
	Gamma	VWB: GMM**	QWB: GMM	QWB: GMM**	SC/20/22/24/26	S-curve/2.0/2.2/2.4/2.6		
	Memory delete	VPF: DEL**	-	-	01 ~ 08	Memory No.1 - Memory No.08		
	Memory load	VPF: LOD**	-	-	01 ~ 08	Memory No.1 - Memory No.08		
	Memory function	Memory name change	VPF: NAM ** *..*	QPF: NAM **	QPF: NAM ** *..*	01 - 08 space ! * # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 ; : < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\]^_`a b c d e f g h i j k l m n o p q r s t u v w x y z { } -	Memory No.01 - Memory No.08 Memory name(Max 40 Parameters)	
		Memory save	VPF: SAV ** *..*	-	-	01 - 08 space ! * # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 ; : < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\]^_`a b c d e f g h i j k l m n o p q r s t u v w x y z { } -	Memory No.01 - Memory No.08 Memory name(Max 40 Parameters)	
		Memory state	-	QPF: STA	QPF: STA*****	-/0 (Memory No.1- No.08)	Unused/Use	
	S o u n d	Speaker	AAC: OUT***	QAC: OUT	QAC: OUT***	SPO/EXT	Internal / External	
		Sound Mode	AAC: MEN***	QAC: MEN	QAC: MEN***	STD(AUT)/DYN/CLR	Normal/Dynamic/Clear	
		Bass	AAC: BAS***	QAC: BAS	QAC: BAS***	-15 ~ 000 ~ +15(015)	-15 ~ 15	
		Mid	AAC: MID***	QAC: MID	QAC: MID***	-15 ~ 000 ~ +15(015)	-15 ~ 15	
		Treble	AAC: TRE***	QAC: TRE	QAC: TRE***	-15 ~ 000 ~ +15(015)	-15 ~ 15	
		Balance	AAC: BAL***	QAC: BAL	QAC: BAL***	-30 ~ 000 ~ +30(030)	-30 ~ 30	
		Surround	AAC: SUR***	QAC: SUR	QAC: SUR***	MON/OFF	On/Off	
		Audio Out (PIP)	ASO:**	-	-	M/S	Main/Sub	
		SDI Sound Output	Left Channel	ASD: LCH**	QSD: LCH	QSD: LCH**	01~16	Channel 1 - Channel 16
			Right Channel	ASD: RCH**	QSD: RCH	QSD: RCH**	01~16	Channel 1 - Channel 16
			Sound Out	ASD: OUT**	QSD: OUT	QSD: OUT**	0/1	Off/On
			Level Meter	ASD: LMT**	QSD: LMT	QSD: LMT**	0/1/2	Off/1-8ch/9-16ch
P o s / / -	H-Pos	DGE: HPO****	QGE: HPO	QGE: HPO****	-124 ~ 0000 ~ +124(0124)	-124 ~ 124		
	H-Size	DGE: HSZ****	QGE: HSZ	QGE: HSZ****	-124 ~ 0000 ~ +124(0124)	-124 ~ 124		
	V-Pos	DGE: VPO****	QGE: VPO	QGE: VPO****	-124 ~ 0000 ~ +124(0124)	-124 ~ 124		
	V-Size	DGE: VSZ****	QGE: VSZ	QGE: VSZ****	-062 ~ 0000 ~ +062(0062)	-62 ~ 62		
	Dot Clock	DGE: DCL****	QGE: DCL	QGE: DCL****	-032 ~ 0000 ~ +032(0032)	-32 ~ 32		
	Clock Phase	DGE: CLK****	QGE: CLK	QGE: CLK****	-016 ~ 0000 ~ +016(0016)	-16 ~ 16		
	Clamp Position	DGE: CLP****	QGE: CLP	QGE: CLP****	0000 ~ +127(0127)	0 ~ 127		

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			Transmission	Reply			
Size	1:1 Pixel Mode	DGE:DBD*	QGE:DBD	QGE:DBD*	0/1	Off/On	
	Over Scan	DGE:OVS*	QGE:OVS	QGE:OVS*	0/1	Off/On	
	Adjusting POS./SIZE(H-Pos/H-Size/V-Pos/V-Size)	DGE:PSZ*****	QGE:PSZ	QGE:PSZ*****	-124 - 0000 - +124(0124),-124 - 0000 - +124(0124),-124 ~ 0000 - +124(0124),-062 - 0000 - +062(0062)	H-Pos(-124 - 0000 - +124(0124)),H-Size(-124 - 0000 - +124(0124)),V-Pos(-124 - 0000 - +124(0124)),V-Size(-062 - 0000 - +062(0062))	
	Auto Setup	DGE:ASU*	-	-	1/0	executes/interrupts	
	Component/RGB-in select	SSU:CMF***	QSU:CMF	QSU:CMF***	YBR/RGB	Component/RGB	
	DVI YUV/RGB select	SSU:DYR***	QSU:DYR	QSU:DYR***	YUV/RGB	YUV/RGB	
	Input label (Current input)	SSU:ILA***	QSU:ILA	QSU:ILA***	NRM / DV1 / DV2 / DV3 / DV4 / BD1 / BD2 / BD3 / BD4 / CTV / VCR / STB / SKP	Default input name / DVD1 / DVD2 / DVD3 / DVD4 / Blu-ray1 / Blu-ray2 / Blu-ray3 / Blu-ray4 / CTV / VCR / STB / SKIP	
	Input label (Specified input)	SSU:ILA***+++	QSU:ILA	QSU:ILA***+++	*** : Specified input SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1/WB1 +++ : Input label NRM / DV1 / DV2 / DV3 / DV4 / BD1 / BD2 / BD3 / BD4 / CTV / VCR / STB / SKP	SLOT(A/B)/VIDEO/COMPONENT/HDMI/DVI/HX/NETWORK/WHITEBOARD Default input name / DVD1 / DVD2 / DVD3 / DVD4 / Blu-ray1 / Blu-ray2 / Blu-ray3 / Blu-ray4 / CTV / VCR / STB / (Skip)	
	Power save	SSU:PSV*	QSU:PSV	QSU:PSV*	0/1/2	Off/On/Sensor	
	PC Power management	SSU:DPM*	QSU:DPM	QSU:DPM*	0/1	Off/On	
	DVI-D Power management	SSU:DPD*	QSU:DPD	QSU:DPD*	0/1	Off/On	
	No signal power off	SSU:AOF*	QSU:AOF	QSU:AOF*	0/1	Off/On	
	No activity power off	SSU:NAO*	QSU:NAO	QSU:NAO*	0/1	Off/On	
	ECO Mode settings	SSU:ECS*	QSU:ECS	QSU:ECS*	0/1	Custom/On	
	Menu Display Duration	SSU:MDT***	QSU:MDT	QSU:MDT***	005/010/015/020/025/030	5s/10s/15s/20s/25s/30s	
	OSD Brightness	SSU:OBR*	QSU:OBR	QSU:OBR*	1/2/3/4/5	1(Low)/2/3/4/5(High)	
	OSD Language	SSU:LNG***	QSU:LNG	QSU:LNG***	ENG/DEU/FRA/ITL/CHA/USA/ESP/JPN/RUS	English(UK)/German/French/Italian/Chinese/English(US)/Spanish/Japanese/Russian	
	Touch-Pen Settings	Touch-Pen Mode(Current input)	SSU:TPM*	QSU:TPM	QSU:TPM*	0/1	Off/On
		Touch-Pen Mode(Specified input)	SSU:TPM***	QSU:TPM***	QSU:TPM***	SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1	SLOT(A/B)/VIDEO/COMPONENT/HDMI/DVI/HX/NETWORK
		Touch-pen Operation	SSU:TOM*	QSU:TOM	QSU:TOM*	0/1	Off/On
		WHITEBOARD function	SSU:WBF*	QSU:WBF	QSU:WBF*	0/1	Off/On
Quick WHITEBOARD launch		SSU:WQL*	QSU:WQL	QSU:WQL*	0/1	Off/On	
Standby pen charging mode		SSU:TPC*	QSU:TPC	QSU:TPC*	0/1/2	Off/On/4hrs/On	
MULTI PIP Settings	MULTI PIP	DWA:***	QDW	QDW:***	OFF/PIP 1/2/3/4	Off/Pic in Pic or Pic in WHITEBOARD Lower right/Lower left/Upper left/Upper right ※Mode:PIP Only	
	PIP Mode	DWA:MOD***	QDW:MOD	QDW:MOD***	PIP/PIW	Pic in Pic/Pic in WHITEBOARD	
	Sub Input position(Toggle change)	DWA:PIN	-	-	-	-	
	Sub Input position(Direct change)	DWA:PIN*	-	-	0/1/2/3	Lower right/Lower left/Upper left/Upper right	
	Sub Input size(Toggle change)	DWA:SIZ	-	-	-	-	
	Sub Input size(Direct change)	DWA:SIZ*	QDW:SIZ	QDW:SIZ*	1/2/3/4	(Aspect4:3 signal 480x360/720x540/960x720/1280x960 (Aspect16:9 signal)480x270/720x405/960x540/1280x720	
Signal	Swap	DWA:SWP	-	-	-	-	
	3D Y/C Filter (NTSC)	SSG:YCS*	QSG:YCS	QSG:YCS*	0/1	Off/On	
	Sync	SSG:SNC***	QSG:SNC	QSG:SNC***	GRN/HAV	VBS/On G(On Y)/Auto	
	Colour system	SSG:COS***	QSG:COS	QSG:COS***	NTS/PAL/SCM/MNT/AUT	NTSC/PAL/SECAM/M.NTSC/Auto	
	Cinema reality	SSG:DCR*	QSG:DCR	QSG:DCR*	0/1	Off/On	
	P-NR (Limited choice)	SSG:VNR*	QSG:VNR	QSG:VNR*	0/1	Off/Min	
	P-NR	SSG:VNREXT***	QSG:VNREXT	QSG:VNREXT***	OFF/MIN/MID/MAX	Off/Min/Mid/Max	
	Block NR	SSG:BNR***	QSG:BNR	QSG:BNR***	OFF/MIN/MID/MAX	Off/Min/Mid/Max	
	Mosquito NR	SSG:MNR***	QSG:MNR	QSG:MNR***	OFF/MIN/MID/MAX	Off/Min/Mid/Max	
	Noise reduction	SSG:NRS***	QSG:NRS	QSG:NRS***	OFF/MIN/MID/MAX/ADV	Off/Min/Mid/Max/Advanced	
	XGA Mode	SSG:XGA*	QSG:XGA	QSG:XGA*	1/2/3/4	1024x768 / 1280x768 / 1366x768 / Auto	
SDI Through	SSG:STH*	QSG:STH	QSG:STH*	0/1	Off/On		
HDMI Range	SSG:HRC***	QSG:HRC	QSG:HRC***	VID/FUL/AUT	Video(16-235)/Full(0-255)/Auto		
Screensaver	Screensaver	OSP:SCR*	QSP:SCR	QSP:SCR*	0/1/2/3/4	Off/Scrolling bar only ON/Negative image ON/Overlay scrolling bar ON/White screen ON	
	Function	SSC:FNC*	QSC:FNC	QSC:FNC*	0/1/2/3	Scrolling bar only/Negative image/Overlay scrolling bar/White screen	
	Mode	SSC:MOD*	QSC:MOD	QSC:MOD*	0/1/2/3/4	Off/Interval/Time Designation/On/Standby after SCR Saver	
	Interval	SSC:INT ****	QSC:INT ****	QSC:INT ****	0000 - 2359 0000 - 2359	Periodic Time : 00:00 - 23:59 Operation Time : 00:00 - 23:59	
	Time Designation	SSC:TIM ****	QSC:TIM ****	QSC:TIM ****	0000 - 2359 0000 - 2359	Start Time : 00:00 - 23:59 Finish Time : 00:00 - 23:59	
	Standby after SCR Saver	SSC:AOF ****	QSC:AOF ****	QSC:AOF ****	0000 - 2359	Screensaver duration : 00:00 - 23:59	
	Side panel	SSC:SPC*	QSC:SPC	QSC:SPC*	0/1/2/3	Off/Low/Mid/High	
Extended life settings	Peak limit	SSC:PLT*	QSC:PLT	QSC:PLT*	0/1	Off/On	
	NANODRIFT Saver	SSC:NDS*	QSC:NDS	QSC:NDS*	0/1/2/3/4	Off/Min/Low mid/High mid/Max	
	NANODRIFT Mode	SSC:NSM*	QSC:NSM	QSC:NSM*	0/1	Smooth/Pixel	

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			Transmission	Reply		
Extended menu Settings	NANODRIFT OFF enable	SSC:NDO*	QSC:NDO	QSC:NDO*	0/1	disable off select/enable off select
	Express settings	SLS:QUI**	-	-	NOW/ALL	Current input/All input
	Reset	SLS:RES***	-	-	NOW/ALL	Current input/All input
	Setting Lock	SLS:LCK*	QLS:LCK	QLS:LCK*	0/1	Unlock/Lock
Function Button Settings	Function Button Settings	OSP:KFN + ***	QSP:KFN +	QSP:KFN +	1/2 ECO/REF/SDS/SIG/SUT/S1A/S1B/VD1/YP1/HM1/DV1/PC1/NW1/WB1/TPM/LNS/LCS/LML/OSH/MP1/MPS	Function Button No.1-No.2 ECO Mode settings/Scrolling bar/3D Settings/Signal/OnOff Timer Setup/SLOT A/SLOT B/VIDEO/COMPONENT/HDMI/DVI/HX/NETWORK/WHITEBOARD/Touch-pen/Network Setup/Computer Search/Multi-Live/AV Mute/MULTI PIP/MULTI PIP Settings
	Function Button Guide	OSP:KFG*	QSP:KFG	QSP:KFG*	0/1	Off/On
Network Setup	Wired LAN (Network)	SSU:NET ***** ***** ***** *	QSU:NET	QSU:NET ***** ***** ***** *	000-255,000-255,000-255,000-255 000-255,000-255,000-255,000-255 000-255,000-255,000-255,000-255 0/1	IP address Subnet mask Gateway DHCP : Off/On
	Wireless LAN(Select Network)	SSU:LWL***	QSU:LWL	QSU:LWL***	OFF/SDT/MDT/SMP/ES1/ES2/ES3/ES4/UR1/UR2/UR3	Off/S-DIRECT/M-DIRECT/S-MAP/1/2/3/4/USER1/USER2/USER3
	Wireless LAN (Network)	SSU:LT1 ***** ***** ***** *	QSU:LT1	QSU:LT1 ***** ***** ***** *	000-255,000-255,000-255,000-255 000-255,000-255,000-255,000-255 000-255,000-255,000-255,000-255 0/1	IP address Subnet mask Gateway DHCP : Off/On
	Wireless LAN (User name)	SSU:LNC*...*	QSU:LNC	QSU:LNC*...*	space ! " # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 ; : < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\]^_`abcdefghijklmnopqrstuvwxyz{ }-	User name (Max 8 Parameters)
	Name Change	SSU:LDN*...*	QSU:LDN	QSU:LDN*...*	space ! " # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 ; : < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\]^_`abcdefghijklmnopqrstuvwxyz{ }-	DISPLAY NAME(Max 8 Parameters)
	Multi-Live	SSU:LML	QSU:LML	QSU:LML****	04MLT/04IDX/16IDX	4-screen multi style/4-screen index style/16-screen index style
	Live mode Cut In	SSU:LLI*	QSU:LLI	QSU:LLI*	0/1	Off/On
	WEB Control	SSU:LWC*	QSU:LWC	QSU:LWC*	0/1	Off/On
	Reset	SSU:LRT	-	-	-	-
	Status(DISPLAY ID)	-	QSU:LDI	QSU:LDI*...*	space ! " # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 ; : < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\]^_`abcdefghijklmnopqrstuvwxyz{ }-	DISPLAY ID(Max 8 Parameters)
Status(Antenna level)	-	QSU:LAL	QSU:LAL*	1-5	Antenna level	
Port	SSU:LCP****	QSU:LCP	QSU:LCP****	01024-65535 *Except 04352,10000	Port	
On/Off Timer Setup	Power ON Settings	TIM:PON****	QIM:PON	QIM:PON****	0/1, 0000 - 2359	Off/On, 00:00 - 23:59
	Power OFF Settings	TIM:POF****	QIM:POF	QIM:POF****	0/1, 0000 - 2359	Off/On, 00:00 - 23:59
Day/Time Setup	Day	TIM:DAY***	QIM:DAY	QIM:DAY***	MON/TUE/WED/THU/FRI/SAT/SUN	MON/TUE/WED/THU/FRI/SAT/SUN
	Time	TIM:NOW0****	QIM:NOW	QIM:NOW0****	0000 - 2359	00:00 - 23:59
Audio input select		SAI:V***A+++	QAI:V***	QAI:V***A+++	***...SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1/WB1 +++...SL1(S1A/S1B)/VD1/HM1/PC1/NW1/NAD	*...Video Input SLOT(A/B)/VIDEO/COMPONENT/HDMI/DVI/PC/NETWORK/WHITEBOARD +++...Audio Input SLOT(A/B)/AUDIO 1(VIDEO or COMPONENT)/HDMI/AUDIO 2(DVI or PC)/NETWORK/No Audio
		SAI:A+++	QAI	QAI:V***A+++	***...SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1/WB1 +++...SL1(S1A/S1B)/VD1/HM1/PC1/NW1/NAD	*...Video Input SLOT(A/B)/VIDEO/COMPONENT/HDMI/DVI/PC/NETWORK/WHITEBOARD +++...Audio Input SLOT(A/B)/AUDIO 1(VIDEO or COMPONENT)/HDMI/AUDIO 2(DVI or PC)/NETWORK/No Audio
Onscreen display	OSP:OSD*	QSP:OSD	QSP:OSD*	0/1	Disable/Enable	
Initial INPUT	OSP:IIN***	QSP:IIN	QSP:IIN***	0FF/SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1/WB1	Off/SLOT(A/B)/VIDEO/COMPONENT/HDMI/DVI/HX/NETWORK/WHITEBOARD	
Initial VOL level	OSP:IVL***	QSP:IVL	QSP:IVL***	0/1, 00 - 63	Off/On,volume: 0 -63	
Maximum VOL level	OSP:MVL***	QSP:MVL	QSP:MVL***	0/1, 00 - 63	Off/On,maximum volume: 0 -63	
INPUT lock	OSP:INL***	QSP:INL	QSP:INL***	0FF/SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1/WB1	Off/SLOT(A/B)/VIDEO/COMPONENT/HDMI/DVI/HX/NETWORK/WHITEBOARD	
Button lock	OSP:BTL***	QSP:BTL	QSP:BTL***	OFF/MEN/ALL	Off/MENU&ENTER/On	
Remocon User level	OSP:RCM*	QSP:RCM	QSP:RCM*	0/1/2/3	Off/User1/User2/User3	
Off-timer function	OSP:OFT*	QSP:OFT	QSP:OFT*	0/1	Disable/Enable	
Initial Power Mode	OSP:IPM***	QSP:IPM	QSP:IPM***	NOR/PON/STB	Normal/On/Standby	
Display Size	DGE:SCN*	QGE:SCN	QGE:SCN*	0/1	Off/On	
Studio W/B	OSP:SWB*	QSP:SWB	QSP:SWB*	0/1	Off/On	
Studio Gain	OSP:SGA*	QSP:SGA	QSP:SGA*	0/1	Off/On	
Slot power	OSP:SLP**	QSP:SLP	QSP:SLP**	ON/AT/OF	On/Auto/Off	
Power On Screen Delay	OSP:POD**	QSP:POD	QSP:POD**	00-30	00(OFF),1-30	
ClockDisplay	OSP:CLK*	QSP:CLK	QSP:CLK*	0/1	Off/On	
All Aspect	OSP:AAS*	QSP:AAS	QSP:AAS*	0/1	Off/On	
Auto Setup	OSP:ASU***	QSP:ASU	QSP:ASU***	AUT/BTN	Auto/Manual	

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t i o n s	Rotate	OSP:ROT*	QSP:ROT	QSP:ROT*	0/1	Off/On	
	Power On Message (No activity power off)	OSP:NAP*	QSP:NAP	QSP:NAP*	0/1	Off/On	
	Power On Message (Power Management)	OSP:PMM*	QSP:PMM	QSP:PMM*	0/1	Off/On	
	Function	TIW:FNC*	QIW:FNC	QIW:FNC*	1/0	Off/On	
	Program Number	TIW:DPS *** *	-	-	MON/TUE/WED/THU/FRI/SAT/SUN 1-7	MONDAY/TUESDAY/WEDNESDAY/THURSDAY/FRIDAY/SATURDAY/SUNDAY PROGRAM1-PROGRAM7	
	Program Number	TIW:WPS * * * * * *	QIW:WPS	QIW:WPS * * * * * *	1-7/ 1-7/ 1-7/ 1-7/ 1-7/ 1-7/	PROGRAM1-PROGRAM7/ PROGRAM1-PROGRAM7/ PROGRAM1-PROGRAM7/ PROGRAM1-PROGRAM7/ PROGRAM1-PROGRAM7/ PROGRAM1-PROGRAM7/	
	Program Edit	TIW:PRG * * **** ***	QIW:PRG * **	QIW:PRG * ** **** ***	1-7 01-64 0000-2359/---- S01-S64/U01-U64/---	PROGRAM1-PROGRAM7 01-64 00:00-23:59/---- Standard Command 01-64/User Command 01-64/--- (Not Supported Standard Command 8,9,20,22-38,48-54)	
	User Command Edit	TIW:CMD *** *****	QIW:CMD ***	QIW:CMD *** *****	U01-U64 *****	User Command 01-64(Command number) User Command(Max 15 Parameters)	
	Input Search	Input Search	ISH:FNC***	QSH:FNC	QSH:FNC***	ALL/PRI/OFF	All Inputs/Priority/Off
		Primary Input	ISH:PRI***	QSH:PRI	QSH:PRI***	SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1/NON	SLOT INPUT(A/B)/VIDEO/COMPONENT/HDMI/DVI/PC/NETWORK/(NONE)
	Secondary Input	ISH:SCI***	QSH:SCI	QSH:SCI***	SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1/NON	SLOT INPUT(A/B)/VIDEO/COMPONENT/HDMI/DVI/PC/NETWORK/(NONE)	
Text display	Text Clear	XTD:CLR XTD:NML *** ** * * * **	-	-	001 - 116 01 - 30 0/1/2/3/4/5/6/7/8/9 0/1/2/3/4/5/6/7/8/9 0/1/2/3 space ! " # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\]^_` a b c d e f g h i j k l m n o p q r s t u v w x y z { } -	Text Clear Horizontal display start position Vertical display start position Text color : Black/Red/Green/Yellow/Blue/Magenta/Cyan/White/Half-brightness/Transparency Background color : Black/Red/Green/Yellow/Blue/Magenta/Cyan/White/Half-brightness/Transparency Text size : Usually/ Twice length/ Twice width/ Twice Display Strings : (Max 40 Parameters)	
	Time out setting	XTD:OPT**	QTD:OPT	QTD:OPT**	01 - 99	Time out(Second)	
	Text display(memory load)	XTD:REA*	-	-	1/2/3/4/5	Storage area	
	Text Scrolling display	XTD:SCR *** ** * * * **	-	-	001 - 116 01 - 30 0/1/2/3/4/5/6/7/8/9 0/1/2/3/4/5/6/7/8/9 0/1/2/3 space ! " # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\]^_` a b c d e f g h i j k l m n o p q r s t u v w x y z { } -	Horizontal display start position Vertical display start position Text color : Black/Red/Green/Yellow/Blue/Magenta/Cyan/White/Half-brightness/Transparency Background color : Black/Red/Green/Yellow/Blue/Magenta/Cyan/White/Half-brightness/Transparency Text size : Usually/ Twice length/ Twice width/ Twice Display Strings : (Max 40 Parameters)	
	Memory save	XTD:WRT * *** ** * * * **	QTD:WRT *	QTD:WRT * *** ** * * * **	1/2/3/4/5 001 - 116 01 - 30 0/1/2/3/4/5/6/7/8/9 0/1/2/3/4/5/6/7/8/9 0/1/2/3 space ! " # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\]^_` a b c d e f g h i j k l m n o p q r s t u v w x y z { } -	Storage area Horizontal display start position Vertical display start position Text color : Black/Red/Green/Yellow/Blue/Magenta/Cyan/White/Half-brightness/Transparency Background color : Black/Red/Green/Yellow/Blue/Magenta/Cyan/White/Half-brightness/Transparency Text size : Usually/ Twice length/ Twice width/ Twice Display Strings : (Max 40 Parameters)	
	Sub Display Input select	ISS:***	QSI	QSI:***	SL1(S1A/S1B)/VD1/YP1/HM1/DV1/PC1/NW1	SLOT(A/B)/VIDEO/COMPONENT/HDMI/DVI/HX/NETWORK	
	Sub Display Input select(Toggle)	ISS	-	-	-	-	
	Label display	DDS	-	-	-	Labels ON / OFF	
	Audio Mute(for tuner)	AOC:*	-	-	-	0/1	Off/On
	Clear OSD	VDO	-	-	-	-	OSD Clear

Category	Function	Control commands	Query commands		Parameters	Parameters Explanation
			Transmission	Reply		
Other	Digital Zoom	DZM: * * * *	QDZ	QDZ: * * * *	0/1 1-4 1-5 1-5	Off/On Expansion rate Display position (length) Display position (side)
	Off Timer	ZOT:*	-	-	0-90	00 - 90 min
	SOS History	-	QSS	QSS: ** ** ** ** ** **	00 - FF 00 - F2 00 - F2 00 - F2 00 - F2 00 - F2	SOS generation frequency SOS information on the first time SOS information on the second times SOS information on the 3, 6, 9 ... times SOS information on the 4, 7, 10 ... times SOS information on the 5, 8, 11 ... times <SOS Factor> 00 : None E1 : Unknown SOS, E2 : 15V SOS, F2 : F15V MON, *2 : 12V SOS, *3 : 3.3V SOS, *4 : POWER SOS, *5 : 5V SOS, *6 : Driver SOS1, *7 : Driver SOS2, *8 : Driver SOS3, *9 : DCC SOS, 0A : DS SOS, 0B : FAN SOS, 0D : A SOS2, 1D : 5V SOS, 2D : A SOS, 4D : AUDIO SOS,
	SOS State	-	QSS:STS	QSS:STS***	NON EXT ERR	No SOS History With SOS History Of SOS
	Signal frequency	-	QFR	QFR: H***.* V***.*	000.0 - 999.9 000.0 - 999.9	H-Freq. (KHz) V-Freq. (Hz)
	Signal name	-	QSF	QSF:M*****	M-1125(1080)/60i *Example	Signal Format
	Model Information	-	QMN	QMN: ** * **	65/50 F 11	65/50 Model : FHD Series
	Version(MONITOR-MCU)	-	QRV	QRV: * **** + + + +	0.0100~ PB2	MONITOR MCU Version Series
	Version(MONITOR-EEPROM)	-	QRV:EEP	QRV:EEP**.*	00.01~	MONITOR EEPROM Version
	Version(PANEL-MCU)	-	QRV:PMC	QRV:PMC**.*	00.01~	PANEL MCU Version
	Version(PANEL-EEPROM)	-	QRV:PEP	QRV:PEP**.*	00.01~	PANEL EEPROM Version
	Version(PANEL-DCC)	-	QRV:PDC	QRV:PDC**.*	00.01~	PANEL DCC Version
	Version(PANEL-PDROM)	-	QRV:PPD	QRV:PPD**.*	00.01~	PANEL PDROM Version
	Serial number	-	QSN	QSN*...*	space ! " # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` a b c d e f g h i j k l m n o p q r s t u v w x y z { } -	Serial number(Max 15 Parameters)