

# Control Commands

Model No. PT-VMZ50  
PT-VMW50  
PT-BMX50  
PT-VMZ40



- Please refer to the Operating Instructions for the serial command format, limitations, connection and other details.
- シリアルコマンドのフォーマット、制限事項、接続方法およびその他詳細につきましては、各モデルの取扱説明書をご覧ください。
- 有关串行控制命令的格式、限制事项、连接方法以及其他详情、请参阅各机型的使用说明书。

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL	QUERY		VMZ50 SERIES				
				COMMANDS	COMMANDS	CALL BACK	VMZ50	VMW50	BMX50	VMZ40	
BASIC OPERATION REMOTE CONTROL	POWER	ON OFF (STANDBY)		PON POF	QPW	001 000	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	VOLUME	UP		AUU			✓	✓	✓	✓	
		DOWN		AUD			✓	✓	✓	✓	
	INPUT SELECT	COMPUTER1			IIS: RG1	QIN	RG1	✓	✓	✓	✓
		COMPUTER2			IIS: RG2		RG2	✓	✓	✓	✓
		VIDEO			IIS: VID		VID	✓	✓	✓	✓
		HDMI1			IIS: HD1		HD1	✓	✓	✓	✓
		HDMI2			IIS: HD2		HD2	✓	✓	✓	✓
		NETWORK/USB			IIS: NWP		NWP	✓	✓	✓	✓
		MEMORY VIEWER			IIS: MV1		MV1	✓	✓	✓	✓
		DIGITAL LINK			IIS: DL1		DL1	✓	✓	✓	✓
	INPUT SELECT (DIGITAL LINK)	COMPUTER1			IIS: DL1: PC1		DL1: PC1	✓	✓	✓	✓
		COMPUTER2			IIS: DL1: PC2		DL1: PC2	✓	✓	✓	✓
		VIDEO			IIS: DL1: VID		DL1: VID	✓	✓	✓	✓
		HDMI1			IIS: DL1: HD1		DL1: HD1	✓	✓	✓	✓
		HDMI2			IIS: DL1: HD2		DL1: HD2	✓	✓	✓	✓
		S-VIDEO			IIS: DL1: SVD		DL1: SVD	✓	✓	✓	✓
	FREEZE	OFF			OFZ: 0	QFZ	0	✓	✓	✓	✓
		ON			OFZ: 1		1	✓	✓	✓	✓
	FREEZE (Toggle)	OFF			OFZ	QFZ	0	✓	✓	✓	✓
		ON					1	✓	✓	✓	✓
	MENU KEY				OMN			✓	✓	✓	✓
	RETURN KEY				OBK			✓	✓	✓	✓
	ENTER KEY				OEN			✓	✓	✓	✓
	UP KEY				OCU			✓	✓	✓	✓
	DOWN KEY				OCD			✓	✓	✓	✓
	LEFT KEY				OCL			✓	✓	✓	✓
	RIGHT KEY				OCR			✓	✓	✓	✓
	DEFAULT KEY				OST			✓	✓	✓	✓
	AUTO SETUP KEY				OAS			✓	✓	✓	✓
	AUTO SETUP	ON			OAS	QAS	0	✓	✓	✓	✓
		OFF					1	✓	✓	✓	✓
	SHUTTER	OFF			OSH: 0	QSH	0	✓	✓	✓	✓
		ON			OSH: 1		1	✓	✓	✓	✓
	SHUTTER(Toggle)	OFF			OSH	QSH	0	✓	✓	✓	✓
		ON					1	✓	✓	✓	✓
	DIGITAL ZOOM UP				DZU			✓	✓	✓	✓
	DIGITAL ZOOM DOWN				DZD			✓	✓	✓	✓
	FUNCTION KEY				FC1			✓	✓	✓	✓
	ECO				OEC			✓	✓	✓	✓
	NUMERIC KEY	1			ONK: 1			✓	✓	✓	✓
		2			ONK: 2			✓	✓	✓	✓
		3			ONK: 3			✓	✓	✓	✓
		4			ONK: 4			✓	✓	✓	✓
		5			ONK: 5			✓	✓	✓	✓
6				ONK: 6			✓	✓	✓	✓	
STATUS KEY				STS			✓	✓	✓	✓	
P-TIMER				PTM			✓	✓	✓	✓	
SCREEN ADJUSTMENT				OSA			✓	✓	✓	✓	
	AUDIO MUTE	OFF ON		AMF: 0 AMF: 1	QMT	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
SELF DIAGNOSIS				QVX: ERRS1	ERRS1=*****.....	✓	✓	✓	✓		
PICTURE	PICTURE MODE	DYNAMIC		VPM: DYN	QPM	DYN	✓	✓	✓	✓	
		NATURAL		VPM: NAT		NAT	✓	✓	✓	✓	
		STANDARD		VPM: STD		STD	✓	✓	✓	✓	
		BLACK BOARD		VPM: BBD		BBD	✓	✓	✓	✓	
		WHITE BOARD		VPM: WBD		WBD	✓	✓	✓	✓	
		CINEMA		VPM: CIN		CIN	✓	✓	✓	✓	
	CONTRAST	-32			VCN: - 32	QVR	- 32	✓	✓	✓	✓
		+32			VCN: 032		032	✓	✓	✓	✓
	BRIGHTNESS	-32			VBR: - 32	QVB	- 32	✓	✓	✓	✓
		+32			VBR: 032		032	✓	✓	✓	✓
	COLOR	-32			VCO: - 32	QVC	- 32	✓	✓	✓	✓
		+32			VCO: 032		032	✓	✓	✓	✓
	TINT	-32			VTN: - 32	QVT	- 32	✓	✓	✓	✓
		+32			VTN: 032		032	✓	✓	✓	✓
	SHARPNESS	0			VSR: 000	QVS	000	✓	✓	✓	✓
		15			VSR: 015		015	✓	✓	✓	✓
	COLOR TEMPERATURE	LOW			OTE: 0	QTE	0	✓	✓	✓	✓
		DEFAULT(MIDDLE)			OTE: 1		1	✓	✓	✓	✓
		HIGH			OTE: 2		2	✓	✓	✓	✓
	GAMMA(PRESET)	-8			VXX: GAM1=- 00008	QVX: GAM1	GAM1=- 00008	✓	✓	✓	✓
		+7			VXX: GAM1=+00007		GAM1=+00007	✓	✓	✓	✓
	DAYLIGHT VIEW	OFF			VXX: DLVI0=+00000	QVX: DLVI0	DLVI0=+00000	✓	✓	✓	✓
		AUTO			VXX: DLVI0=+00001		DLVI0=+00001	✓	✓	✓	✓
		1			VXX: DLVI0=+00002		DLVI0=+00002	✓	✓	✓	✓
		2			VXX: DLVI0=+00003		DLVI0=+00003	✓	✓	✓	✓
	DIGITAL CINEMA REALITY	OFF			OPD: 0	QPD	0	✓	✓	✓	✓
		ON			OPD: 1		1	✓	✓	✓	✓
	NOISE REDUCTION	OFF			VNR: 0	QNR	0	✓	✓	✓	✓
		ON			VNR: 1		1	✓	✓	✓	✓
	DYNAMIC CONTRAST/IRIS	OFF			OAI: 0	QAI	0	✓	✓	✓	✓
		1			OAI: 1		1	✓	✓	✓	✓
		2			OAI: 2		2	✓	✓	✓	✓
		3			OAI: 3		3	✓	✓	✓	✓
		USER			OAI: 4		4	✓	✓	✓	✓
	DYNAMIC CONTRAST (LIGHTS OUT TIMER)	DISABLE			VXX: DYCS2=OFF	QVX: DYCS2	OFF	✓	✓	✓	✓
		0.0s			VXX: DYCS2=0. 0		0. 0	✓	✓	✓	✓
		10.0s			VXX: DYCS2=10. 0		10. 0	✓	✓	✓	✓
	DYNAMIC CONTRAST (LIGHTS OUT SIGNAL LEVEL)	0			VXX: DYCI3=+00000	QVX: DYCI3	00000	✓	✓	✓	✓
		5			VXX: DYCI3=+00005		00005	✓	✓	✓	✓
	TV-SYSTEM	AUTO			VSG: AUT	QSG	AUT	✓	✓	✓	✓
		NTSC			VSG: NTS		NTS	✓	✓	✓	✓
		NTSC4.43			VSG: N44		N44	✓	✓	✓	✓
		PAL			VSG: PAL		PAL	✓	✓	✓	✓
		PAL-M			VSG: PAM		PAM	✓	✓	✓	✓
		PAL-N			VSG: PAN		PAN	✓	✓	✓	✓
PAL60				VSG: P60	P60		✓	✓	✓	✓	
SECAM				VSG: SEC	SEC		✓	✓	✓	✓	
RGB/YPbPr	RGB			ORF: 0	QRF	0	✓	✓	✓	✓	
	YPbPr			ORF: 1		1	✓	✓	✓	✓	
	AUTO			ORF: 2		2	✓	✓	✓	✓	
CONTRAST-R	-32			VC1: - 032	QC1	- 32	✓	✓	✓	✓	
	+32			VC1: 0032		032	✓	✓	✓	✓	
CONTRAST-G	-32			VC2: - 032	QC2	- 32	✓	✓	✓	✓	
	+32			VC2: 0032		032	✓	✓	✓	✓	
CONTRAST-B	-32			VC3: - 032	QC3	- 32	✓	✓	✓	✓	
	+32			VC3: 0032		032	✓	✓	✓	✓	
BRIGHTNESS-R	-32			VB1: - 032	QB1	- 32	✓	✓	✓	✓	
	+32			VB1: 0032		032	✓	✓	✓	✓	
BRIGHTNESS-G	-32			VB2: - 032	QB2	- 32	✓	✓	✓	✓	
	+32			VB2: 0032		032	✓	✓	✓	✓	
BRIGHTNESS-B	-32			VB3: - 032	QB3	- 32	✓	✓	✓	✓	
	+32			VB3: 0032		032	✓	✓	✓	✓	
RGB-SYSTEM	1280x768/60GTF			VXX: RGSS1=1280: 768: 60: GTF	QVX: RGSS1	RGSS1=1280: 768: 60: GTF	✓	✓	✓	✓	
	1366x768/60GTF			VXX: RGSS1=1366: 768: 60: GTF		RGSS1=1366: 768: 60: GTF	✓	✓	✓	✓	
	1400x1050/60GTF			VXX: RGSS1=1400: 1050: 60: GTF		RGSS1=1400: 1050: 60: GTF	✓	✓	✓	✓	
	1680x1050/60GTF			VXX: RGSS1=1680: 1050: 60: GTF		RGSS1=1680: 1050: 60: GTF	✓	✓	✓	✓	
	1440x900/50GTF			VXX: RGSS1=1440: 900: 50: GTF		RGSS1=1440: 900: 50: GTF	✓	✓	✓	✓	
	1600x900/50GTF			VXX: RGSS1=1600: 900: 50: GTF		RGSS1=1600: 900: 50: GTF	✓	✓	✓	✓	
	1440x900/60GTF			VXX: RGSS1=1440: 900: 60: GTF		RGSS1=1440: 900: 60: GTF	✓	✓	✓	✓	
	1600x900/60GTF			VXX: RGSS1=1600: 900: 60: GTF		RGSS1=1600: 900: 60: GTF	✓	✓	✓	✓	
	1600x900/60GTF			VXX: RGSS1=1600: 900: 60: GTF		RGSS1=1600: 900: 60: GTF	✓	✓	✓	✓	
	1600x900/60GTF			VXX: RGSS1=1600: 900: 60: GTF		RGSS1=1600: 900: 60: GTF	✓	✓	✓	✓	
REAL TIME KEYSTONE	OFF			OAK: 0	QAK	0	✓	✓	✓	✓	
	ON			OAK: 1		1	✓	✓	✓	✓	
KEYSTONE-HORIZONTAL	-60			VXX: GMKI5=- 00060	QVX: GMKI5	GMKI5=- 00060	-70	-70	-70	-70	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		VMZ50 SERIES			
				COMMANDS	COMMANDS	CALL BACK	VMZ50	VMW50	BMX50	VMZ40	
POSITION	KEYSTONE-VERTICAL	+60 <i>min.</i> <i>max.</i>		VXX: GMKI 5=+00060 VXX: GMKI 1=- 00060 VXX: GMKI 1=+00060	QVX: GMKI 1	GMKI 5=+00060 GMKI 1=- 00060 GMKI 1=+00060	70 -50 50	70 -70 70	70 -70 70	70 -50 50	
	KEYSTONE-HORIZONTAL (Related value)	-120 +120		VXX: KSHI 1=- 00120 VXX: KSHI 1=+00120			-140 +140	-140 +140	-140 +140	-140 +140	
	KEYSTONE-VERTICAL (Related Value)	-160 +160		VXX: KSVI 1=- 00160 VXX: KSVI 1=+00160			-100 100	-140 +140	-140 +140	-100 100	
	CURVED CORRECTION-KEYSTONE-HORIZ.	-60 +60		VXX: GMCI 5=- 00060 VXX: GMCI 5=+00060	QVX: GMCI 5	GMCI 5=- 00060 GMCI 5=+00060	-70 70	-70 70	-70 70	-70 70	
	CURVED CORRECTION-KEYSTONE-VERT.	-50 +50		VXX: GMCI 1=- 00050 VXX: GMCI 1=+00050	QVX: GMCI 1	GMCI 1=- 00050 GMCI 1=+00050	-50 50	-70 70	-70 70	-50 50	
	CURVED CORRECTION-HORIZONTAL ARC.	-40 +40		VXX: GMCI 7=- 00040 VXX: GMCI 7=+00040	QVX: GMCI 7	GMCI 7=- 00040 GMCI 7=+00040	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	CURVED CORRECTION-VERTICAL ARC	-40 +40		VXX: GMCI 3=- 00040 VXX: GMCI 3=+00040	QVX: GMCI 3	GMCI 3=- 00040 GMCI 3=+00040	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	GEOMETRY-CURVED-VERTICAL ARC	-50 (-100)* +50 (+100)*		VXX: GMCI 3=- 00050 VXX: GMCI 3=+00050	QVX: GMCI 3	GMCI 3=- 00050 GMCI 3=+00050	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	GEOMETRY-CURVED-HORIZONTAL ARC	-50 (-100)* +50 (+100)*		VXX: GMCI 7=- 00050 VXX: GMCI 7=+00050	QVX: GMCI 7	GMCI 7=- 00050 GMCI 7=+00050	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	GEOMETRY-CORNER CORRECTION-UPPER LEFT(V)	<i>min.</i> <i>max.</i>		VXX: GMFI 1=+00000 VXX: GMFI 1=+00300	QVX: GMFI 1	GMFI 1=+00000 GMFI 1=+00300	0 +300	0 +200	0 +192	0 +300	
	GEOMETRY-CORNER CORRECTION-UPPER RIGHT(V)	<i>min.</i> <i>max.</i>		VXX: GMFI 2=+00000 VXX: GMFI 2=+00300	QVX: GMFI 2	GMFI 2=+00000 GMFI 2=+00300	0 +300	0 +200	0 +192	0 +300	
	GEOMETRY-CORNER CORRECTION-LOWER LEFT(V)	<i>min.</i> <i>max.</i>		VXX: GMFI 3=- 00300 VXX: GMFI 3=+00000	QVX: GMFI 3	GMFI 3=- 00300 GMFI 3=+00000	-300 0	-200 0	-192 0	-300 0	
	GEOMETRY-CORNER CORRECTION-LOWER RIGHT(V)	<i>min.</i> <i>max.</i>		VXX: GMFI 4=- 00300 VXX: GMFI 4=+00000	QVX: GMFI 4	GMFI 4=- 00300 GMFI 4=+00000	-300 0	-200 0	-192 0	-300 0	
	GEOMETRY-CORNER CORRECTION-UPPER LEFT(H)	<i>min.</i> <i>max.</i>		VXX: GMFI 6=+00000 VXX: GMFI 6=+00480	QVX: GMFI 6	GMFI 6=+00000 GMFI 6=+00480	0 +480	0 +320	0 +256	0 +480	
	GEOMETRY-CORNER CORRECTION-UPPER RIGHT(H)	<i>min.</i> <i>max.</i>		VXX: GMFI 7=- 00480 VXX: GMFI 7=+00000	QVX: GMFI 7	GMFI 7=- 00480 GMFI 7=+00000	-480 0	-320 0	-256 0	-480 0	
	GEOMETRY-CORNER CORRECTION-LOWER LEFT(H)	<i>min.</i> <i>max.</i>		VXX: GMFI 8=+00000 VXX: GMFI 8=+00480	QVX: GMFI 8	GMFI 8=+00000 GMFI 8=+00480	0 +480	0 +320	0 +256	0 +480	
	GEOMETRY-CORNER CORRECTION-LOWER RIGHT(H)	<i>min.</i> <i>max.</i>		VXX: GMFI 9=- 00480 VXX: GMFI 9=+00000	QVX: GMFI 9	GMFI 9=- 00480 GMFI 9=+00000	-480 0	-320 0	-256 0	-480 0	
	SHIFT-HORIZONTAL	-127 +127		VHP: - 127 VHP: 0127	QHP	- 127 0127	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	SHIFT-VERTICAL	-127 +127		VVP: - 127 VVP: 0127	QVP	- 127 0127	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	OVER SCAN	0% 3% 5% 7%		MOV: 0 MOV: 1 MOV: 2 MOV: 3	QOV	0 1 2 3	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	
	DOT CLOCK	-32 +32		VDC: - 32 VDC: 032	QDC	- 32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	CLOCK PHASE	-16 +16		VCP: - 16 VCP: 016	QCP	- 16 016	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	ASPECT	AUTO/VID AUTO/DEFAULT NORMAL(4:3) WIDE(16:9) NATIVE(through) FULL(HV FIT) H-FIT V-FIT		VSE: 0 VSE: 1 VSE: 2 VSE: 5 VSE: 6 VSE: 9 VSE: 10	QSE	0 1 2 5 6 9 10	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	
	FRAME LOCK	OFF ON		VFL: 0 VFL: 1	QFL	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	DISPLAY LANGUAGE	LANGUAGE	English German French Spanish Italian Japanese Chinese Russian Korea Portuguse Swedish Norwegian Danish Polish Czech Hungarian Thai Dutch Finnish Romanian Turkish Arabic Kazakh Vietnamese		OLG: ENG OLG: DEU OLG: FRA OLG: ESP OLG: ITL OLG: JPN OLG: CHI OLG: RUS OLG: KOR OLG: POR OLG: SVE OLG: NOR OLG: DAN OLG: POL OLG: CES OLG: MAG OLG: THA OLG: NLD OLG: FIN OLG: RUM OLG: TUR OLG: ARA OLG: KAZ OLG: VIE	QLG	ENG DEU FRA ESP ITL JPN CHI RUS KOR POR SVE NOR DAN POL CES MAG THA NLD FIN RUM TUR ARA KAZ VIE	✓ ✓	✓ ✓	✓ ✓	✓ ✓
		HDMI IN-SIGNAL LEVEL	0-1023 64-940 AUTO		VXX: HSLI 0=+00000 VXX: HSLI 0=+00001 VXX: HSLI 0=+00002	QVX: HSLI 0	HSLI 0=+00000 HSLI 0=+00001 HSLI 0=+00002	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
		DIGITAL LINK-SIGNAL LEVEL	AUTO 0-1023 64-940		VXX: DKLI 1=+00000 VXX: DKLI 1=+00001 VXX: DKLI 1=+00002	QVX: DKLI 1	DKLI 1=+00000 DKLI 1=+00001 DKLI 1=+00002	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
		INPUT GUIDE	OFF ON (SIMPLE) DETAILED		OID: 0 OID: 1 OID: 2	QDI	0 1 2	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
		OSD POSITION	UPPER LEFT LOWER LEFT CENTER UPPER RIGHT LOWER RIGHT		VXX: OPSI 1=+00001 VXX: OPSI 1=+00003 VXX: OPSI 1=+00005 VXX: OPSI 1=+00007 VXX: OPSI 1=+00009	QVX: OPSI 1	OPSI 1=+00001 OPSI 1=+00003 OPSI 1=+00005 OPSI 1=+00007 OPSI 1=+00009	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
		ON SCREEN	OFF ON		OOS: 0 OOS: 1	QOS	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓
OSD SIZE		NORMAL DOUBLE		VXX: OSZI 1=+00100 VXX: OSZI 1=+00200	QVX: OSZI 1	OSZI 1=+00100 OSZI 1=+00200	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
WARNING MESSAGE		OFF ON		VXX: WMDI 0=+00000 VXX: WMDI 0=+00001	QVX: WMDI 0	WMDI 0=+00000 WMDI 0=+00001	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
CLOSED CAPTION SETTING		OFF CC1 CC2 CC3 CC4		OCC: 0 OCC: 1 OCC: 2 OCC: 3 OCC: 4	QCC	0 1 2 3 4	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	
SCREEN SETTING		16:10 16:9 4:3		VSF: 0 VSF: 1 VSF: 2	QSF	0 1 2	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	
SCREEN POSITION-VERTICAL		LOWER CENTER UPPER		VXX: VSPI 1=+00000 VXX: VSPI 1=+00001 VXX: VSPI 1=+00002	QVX: VSPI 1	VSPI 1=+00000 VSPI 1=+00001 VSPI 1=+00002	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	
SCREEN POSITION-HORIZONTAL		LEFT CENTER RIGHT		VXX: HSPI 1=+00000 VXX: HSPI 1=+00001 VXX: HSPI 1=+00002	QVX: HSPI 1	HSPI 1=+00000 HSPI 1=+00001 HSPI 1=+00002	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	
STARTUP LOGO		OFF USER LOGO DEFAULT LOGO		MLO: 0 MLO: 1 MLO: 2	QLO	0 1 2	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	
AUTO SETUP SETTING		BUTTON AUTO		OSS: 0 OSS: 1	QVX: ASSI 1	ASSI 1=+00002 ASSI 1=+00001	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
SIGNAL SEARCH	OFF ON		OSR: 0 OSR: 1	QSR	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓		
BACK COLOR	BLUE BLACK DEFAULT LOGO USER LOGO		OBC: 0 OBC: 1 OBC: 2 OBC: 3	QBC	0 1 2 3	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓		
P-TIMER-MODE	COUNT DOWN COUNT UP		VXX: PTMI 1=+00000 VXX: PTMI 1=+00001	QVX: PTMI 1	PTMI 1=+00000 PTMI 1=+00001	✓ ✓	✓ ✓	✓ ✓	✓ ✓		
P-TIMER-COUNT DOWN TIMER	1 MIN.		VXX: PTMI 2=+00001	QVX: PTMI 2	PTMI 2=+00001	✓	✓	✓	✓		

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		VMZ50 SERIES			
				COMMANDS	COMMANDS	CALL BACK	VMZ50	VMW50	BMX50	VMZ40	
PROJECTOR SETUP	P-TIMER-RESET	180 MIN. RESET		VXX: PTM1 2=+00180 VXX: PTM1 3=+00000		PTM1 2=+00180		✓	✓	✓	✓
	P-TIMER-EXIT	EXIT		VXX: PTM1 4=+00000				✓	✓	✓	✓
	STATUS			STS				✓	✓	✓	✓
	COMPUTER2 INOUT/OUTPUT SELECT	COMPUTER2 IN COMPUTER2 OUT		ORI : 2IN ORI : 2OU	QRI	2IN 2OU		✓	✓	✓	✓
	PROJECTOR ID	0(ALL) 64		RIS: 00 RIS: 64				✓	✓	✓	✓
	PROJECTION METHOD INSTALLATION	FRONT/DESK REAR/DESK FRONT/CEILING REAR/CEILING FRONT/AUTO NORMAL ECO QUIET USER		OIL: 0 OIL: 1 OIL: 2 OIL: 3 OIL: 4 VXX: LPWI 1=+00000 VXX: LPWI 1=+00001 VXX: LPWI 1=+00040 VXX: LPWI 1=+00100	QSP     QVX: LPWI 1	0 1 2 3 4 LPWI 1=+00000 LPWI 1=+00001 LPWI 1=+00040 LPWI 1=+00100		✓	✓	✓	✓
	LIGHT OUTPUT	min. max.		VXX: LOPI 2=+00080 VXX: LOPI 2=+01000	QVX: LOPI 2	LOPI 2=+00080 LOPI 2=+01000		✓	✓	✓	✓
	ECO MANAGEMENT-AUTO POWER SAVE	OFF ON		VXX: ECOI 0=+00000 VXX: ECOI 0=+00001	QVX: ECOI 0	ECOI 0=+00000 ECOI 0=+00001		✓	✓	✓	✓
	ECO MANAGEMENT-AMBIENT LIGHT DETECTION	OFF ON		VXX: ECOI 1=+00000 VXX: ECOI 1=+00001	QVX: ECOI 1	ECOI 1=+00000 ECOI 1=+00001		✓	✓	✓	✓
	ECO MANAGEMENT-SIGNAL DETECTION	OFF ON		VXX: ECOI 2=+00000 VXX: ECOI 2=+00001	QVX: ECOI 2	ECOI 2=+00000 ECOI 2=+00001		✓	✓	✓	✓
	POWER MANAGEMENT	OFF READY SHUTDOWN		VXX: ECOI 5=+00000 VXX: ECOI 5=+00001 VXX: ECOI 5=+00002	QVX: ECOI 5	ECOI 5=+00000 ECOI 5=+00001 ECOI 5=+00002		✓	✓	✓	✓
	POWER MANAGEMENT-TIMER	5 MIN 120 MIN		VXX: ECOI 6=+00005 VXX: ECOI 6=+00120	QVX: ECOI 6	ECOI 6=+00005 ECOI 6=+00120		✓	✓	✓	✓
	STANDBY MODE	NORMAL ECO		VXX: STMI 0=+00000 VXX: STMI 0=+00003	QVX: STMI 0	STMI 0=+00000 STMI 0=+00003		✓	✓	✓	✓
	QUICK STARTUP	OFF ON		VXX: QSUI 1=+00000 VXX: QSUI 1=+00001	QVX: QSUI 1	QSUI 1=+00000 QSUI 1=+00001		✓	✓	✓	✓
	QUICK STARTUP-VALID PERIOD	30MIN. 60MIN. 90MIN.		VXX: QSUI 2=+00030 VXX: QSUI 2=+00060 VXX: QSUI 2=+00090	QVX: QSUI 2	QSUI 2=+00030 QSUI 2=+00060 QSUI 2=+00090		✓	✓	✓	✓
	FUNCTION BUTTON	* PARAMETER		OFC: *****		*****		✓	✓	✓	✓
	INITIAL START UP	STANDBY ON LAST MEMORY		OPY: 0 OPY: 1 OPY: 2	QPY	0 1 2		✓	✓	✓	✓
	EMULATE	DEFAULT D3500 D4000 D/W5k SERIES D/WZ6k SERIES L730 L780 L735 L785 LB/W SERIES F/W SERIES LZ370 VX500 SERIES EZ570 SERIES VW431D SERIES		VXX: EMUI 0=+00001 VXX: EMUI 0=+00002 VXX: EMUI 0=+00003 VXX: EMUI 0=+00004 VXX: EMUI 0=+00005 VXX: EMUI 0=+00006 VXX: EMUI 0=+00007 VXX: EMUI 0=+00008 VXX: EMUI 0=+00009 VXX: EMUI 0=+00010 VXX: EMUI 0=+00011 VXX: EMUI 0=+00012 VXX: EMUI 0=+00013 VXX: EMUI 0=+00014 VXX: EMUI 0=+00015	QVX: EMUI 0	EMUI 0=+00001 EMUI 0=+00002 EMUI 0=+00003 EMUI 0=+00004 EMUI 0=+00005 EMUI 0=+00006 EMUI 0=+00007 EMUI 0=+00008 EMUI 0=+00009 EMUI 0=+00010 EMUI 0=+00011 EMUI 0=+00012 EMUI 0=+00013 EMUI 0=+00014 EMUI 0=+00015		✓	✓	✓	✓
	AUDIO SETTING-VOLUME	0 63		AVL: 000 AVL: 063	QAV	000 063		✓	✓	✓	✓
	AUDIO SETTING-IN STANDBY MODE	OFF ON		VXX: ASBI 0=+00000 VXX: ASBI 0=+00001	QVX: ASBI 0	ASBI 0=+00000 ASBI 0=+00001		✓	✓	✓	✓
	AUDIO SETTING-AUDIO IN SELECT-COMPUTER1	AUDIO IN 1 AUDIO IN 2 AUDIO IN 3		VXX: AI NI 0=+00000 VXX: AI NI 0=+00001 VXX: AI NI 0=+00002	QVX: AI NI 0	AI NI 0=+00000 AI NI 0=+00001 AI NI 0=+00002		✓	✓	✓	✓
	AUDIO SETTING-AUDIO IN SELECT-COMPUTER2	AUDIO IN 1 AUDIO IN 2 AUDIO IN 3		VXX: AI NI 1=+00000 VXX: AI NI 1=+00001 VXX: AI NI 1=+00002	QVX: AI NI 1	AI NI 1=+00000 AI NI 1=+00001 AI NI 1=+00002		✓	✓	✓	✓
	AUDIO SETTING-AUDIO IN SELECT-HDMI1	HDMI1 AUDIO IN AUDIO IN 1 AUDIO IN 2 AUDIO IN 3		VXX: AI NI 3=+00003 VXX: AI NI 3=+00000 VXX: AI NI 3=+00001 VXX: AI NI 3=+00002	QVX: AI NI 3	AI NI 3=+00003 AI NI 3=+00000 AI NI 3=+00001 AI NI 3=+00002		✓	✓	✓	✓
	AUDIO SETTING-AUDIO IN SELECT-VIDEO	AUDIO IN 1 AUDIO IN 2 AUDIO IN 3		VXX: AI NI 4=+00000 VXX: AI NI 4=+00001 VXX: AI NI 4=+00002	QVX: AI NI 4	AI NI 4=+00000 AI NI 4=+00001 AI NI 4=+00002		✓	✓	✓	✓
	AUDIO SETTING-AUDIO IN SELECT-NETWORK	NETWORK/USB AUDIO IN AUDIO IN 1 AUDIO IN 2 AUDIO IN 3		VXX: AI NI 6=+00004 VXX: AI NI 6=+00000 VXX: AI NI 6=+00001 VXX: AI NI 6=+00002	QVX: AI NI 6	AI NI 6=+00004 AI NI 6=+00000 AI NI 6=+00001 AI NI 6=+00002		✓	✓	✓	✓
	AUDIO SETTING-AUDIO IN SELECT-MEMORY VIEWER	AUDIO IN 1 AUDIO IN 2 AUDIO IN 3		VXX: AI NI A=+00000 VXX: AI NI A=+00001 VXX: AI NI A=+00002	QVX: AI NI A	AI NI A=+00000 AI NI A=+00001 AI NI A=+00002		✓	✓	✓	✓
	AUDIO SETTING-AUDIO IN SELECT-HDMI2	HDMI2 AUDIO IN AUDIO IN 1 AUDIO IN 2 AUDIO IN 3		VXX: AI NI 7=+00003 VXX: AI NI 7=+00000 VXX: AI NI 7=+00001 VXX: AI NI 7=+00002	QVX: AI NI 7	AI NI 7=+00003 AI NI 7=+00000 AI NI 7=+00001 AI NI 7=+00002		✓	✓	✓	✓
	AUDIO SETTING-AUDIO IN SELECT-DIGITAL LINK	DIGITAL LINK AUDIO IN AUDIO IN 1 AUDIO IN 2 AUDIO IN 3		VXX: AI NI 8=+00005 VXX: AI NI 8=+00000 VXX: AI NI 8=+00001 VXX: AI NI 8=+00002	QVX: AI NI 8	AI NI 8=+00005 AI NI 8=+00000 AI NI 8=+00001 AI NI 8=+00002		✓	✓	✓	✓
	FILTER COUNTER-TIMER	OFF 1000H 2000H 3000H 4000H 5000H 6000H 7000H 8000H 9000H		VXX: FCTI 1=+00000 VXX: FCTI 1=+01000 VXX: FCTI 1=+02000 VXX: FCTI 1=+03000 VXX: FCTI 1=+04000 VXX: FCTI 1=+05000 VXX: FCTI 1=+06000 VXX: FCTI 1=+07000 VXX: FCTI 1=+08000 VXX: FCTI 1=+09000	QVX: FCTI 1	FCTI 1=+00000 FCTI 1=+01000 FCTI 1=+02000 FCTI 1=+03000 FCTI 1=+04000 FCTI 1=+05000 FCTI 1=+06000 FCTI 1=+07000 FCTI 1=+08000 FCTI 1=+09000		✓	✓	✓	✓
	FILTER COUNTER-RESET			VXX: FCTI 2=+00000				✓	✓	✓	✓
	SERIAL NUMBER	SW0101234			QSN	SW0101234		✓	✓	✓	✓
	PROJECTOR RUNTIME	99999H			QVX: RTM1 0	RTM1 0=+99999		✓	✓	✓	✓
	LAMP RUNTIME	9999H			QSL	9999		✓	✓	✓	✓
	LAMP(LIGHT) CONTROL STATUS	LAMP OFF In turning ON LAMP ON LAMP Cooling			QSS	0 1 2 3		✓	✓	✓	✓
	LAMP UNIT SERIAL NUMBER	12345-67890			QVX: LSNS0	LSNS0=12345-67890		✓	✓	✓	✓
	FILTER COUNTER	99999H			QFI: 0	99999		✓	✓	✓	✓
	MAC ADDRESS	AB0102030405			QMA	AB0102030405		✓	✓	✓	✓
	TEMPERATURE (INTAKE)	0030/0080			QTM 0	0030/0080		✓	✓	✓	✓
	TEMPERATURE (EXHAUST AIR)	0030/0080			QTM 1	0030/0080		✓	✓	✓	✓
	TEMPERATURE (FILTER)	0030/0080			QTM 3	0030/0080		✓	✓	✓	✓
TEMPERATURE (LIGHT1 / LIGHT1-)	0030/0080			QTM 11	0030/0080		✓	✓	✓	✓	
TEST PATTERN	Off White Cross Hatch Color Bar V Black Cross on White White Cross on Black Color Bar H		OTS: 00 OTS: 01 OTS: 07 OTS: 08 OTS: 18 OTS: 19 OTS: 51		00 01 07 08 18 19 51		✓	✓	✓	✓	
DIGITAL LINK MODE	AUTO DIGITAL LINK ETHERNET LONG REACH MODE		VXX: DKMI 1=+00001 VXX: DKMI 1=+00002 VXX: DKMI 1=+00003 VXX: DKMI 1=+00004	QVX: DKMI 1	DKMI 1=+00001 DKMI 1=+00002 DKMI 1=+00003 DKMI 1=+00004		✓	✓	✓	✓	
DIGITAL LINK-DUPLEX(Ethernet)	Auto negotiation 100BaseTX-Full 100BaseTX-Half		VXX: DKDI 1=+00000 VXX: DKDI 1=+00001 VXX: DKDI 1=+00002	QVX: DKDI 1	DKDI 1=+00000 DKDI 1=+00001 DKDI 1=+00002		✓	✓	✓	✓	
DIGITAL LINK-DUPLEX(DIGITAL)	Auto negotiation		VXX: DKDI 2=+00000	QVX: DKDI 2	DKDI 2=+00000		✓	✓	✓	✓	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL	QUERY		VMZ50 SERIES			
				COMMANDS	COMMANDS	CALL BACK	VMZ50	VMW50	BMX50	VMZ40
NETWORK	LINK)	100BaseTX-Full		VXX: DKDI 2=+00001		DKDI 2=+00001	✓	✓		
		100BaseTX-Half		VXX: DKDI 2=+00002		DKDI 2=+00002	✓	✓		
	DIGITAL LINK STATUS-LINK	NO LINK			QVX: DKSI 1	DKSI 1=+00000	✓	✓		
		DIGITAL LINK				DKSI 1=+00001	✓	✓		
		LPM				DKSI 1=+00002	✓	✓		
	DIGITAL LINK STATUS-HDCP STATUS	ETHERNET				DKSI 1=+00003	✓	✓		
		NO SIGNAL			QVX: DKSI 2	DKSI 2=+00000	✓	✓		
		OFF				DKSI 2=+00001	✓	✓		
	DIGITAL LINK STATUS-SIGNAL QUALITY (MIN)	ON				DKSI 2=+00002	✓	✓		
		-255			QVX: DKSI 3	DKSI 3=- 00255	✓	✓		
DIGITAL LINK STATUS-SIGNAL QUALITY (MAX)	0				DKSI 3=+00000	✓	✓			
	-255			QVX: DKSI 4	DKSI 4=- 00255	✓	✓			
		0			DKSI 4=+00000	✓	✓			

Note: The commands or parameters with "\*" shows available commands or parameters for the projector which has been activated by the Upgrade Kit.