# **VP 729 Command Sets**

## History

No	Issue Date	Version	Description	Firmware
1	2008/3/19	V1.0	First release	
2	2008/6/24	V1.1	<ol> <li>Add only those that we can't simulate their pressing using other commands of the protocol, such as MENU, Up, Down, Left, Right.</li> <li>Query the status of the input (valid or invalid input, and (if valid) can provide. details such as the standard or resolution.</li> <li>Update command with Layer C spec.</li> <li>Modify Command format example</li> <li>Add two commands to get input status.</li> </ol>	
3	2008/9/9	V1.2	<ul> <li>1 Update parameter range</li> <li>2 Add Output Resolution – 1920x1080@60Hz</li> <li>3 Gray unavailable command</li> <li>4 command update for Geometry Diagonal Projection</li> <li>5 Add error code</li> </ul>	
4	2008/11/25	V1.3	<ol> <li>Add command for Input/Output mode custom</li> <li>Add command for PIP Custom</li> <li>Add command for Aspect Ratio Custom</li> <li>Remove USB PIP Source</li> <li>Change Aspect Ratio name: Anamorphic -&gt; Follow Output, Native -&gt; Follow Input</li> </ol>	
5	2009/1/23	V1.4	Change parameter range of Input V-position.	
6	2009/04/06	V1.5	<ol> <li>Add custom1~4 in Output Resolution.</li> <li>Add custom1~4 in Advance Output Mode: Apply.</li> <li>Add Volume up</li> <li>Add Volume down.</li> </ol>	VTB1.05

			5. Add 1280x720@60Hz in Output Resolution.				
			6. Cancel HDMI output device, add HDCP setting				
			7. Add Custom Input1~4 in Advanced Input Mode				
			8. Add Custom Output1~4 in Advanced Output Mode				
			9. Modify Apply to Save in Advanced Input Mode.				
			10. Modify Apply to Save in Advanced Output Mode.				
			Update Main/PIP input status for new 1280x800 input mode				
			2. Add command "Y 0 48 111"/"Y 0 48 -111" for VOLUME UP/DOWN				
7	2009/05/27	V1.6	3. Remove command 133, 134	VTB1.07			
			4. Rename Aspect Ratio Standard -> Best Fit				
8	2009/7/10	V1.7	,				
0	2000/7/44	\/4.0	2. modify Y 1 103 99: other				
9	2009/7/14	V1.8	remove USB audio : HDMI1, HDMI2      Hadata the group of legact H. Basitism legact V. Basitism and legact Frances are	\/TD4_00			
10	2009/7/27	V1.9	Update the range of Input H-Position, Input V-Position and Input Frequency	VTB1.09			
			1. add command set for Overscan				
11	2009/9/2	2009/9/2 V2.0	3. add command set to select on or off for auto image function when source swi		VTB1.11		
			4. add command set for Slideshow				
12	2009/10/21	V2.1	1. modify Y 1 104 98: No Input detected	VTB1.12			
	2000, 10,21		2. modify Y 1 104 99: other				
			1. Add input mode for Main input status (Command = 103) / PIP input status				
			(Command = 104)				
13	2010/2/5	2010/2/5	2010/2/5	2010/2/5	2/5 V2.2	1680x1050@60 (R)	VTB1.14
13	2010/2/3	V Z.Z	1366x768@60	V 1 D 1.14			
			1366x768@60 (R)				
			2. Add Mode3 Command (Command = 147)				
14	2010/3/29	V2.3	Command is modified to match with FW	VTB1.15			

15	2010/12/16	V2.4	1. Add HDMI Switch Behavior Command (Function = 148 / 149)	VTB1.20
16	2011/03/22	V2.5	1. Add HDMI1 Audio Input (Command = 150) Add HDMI2 Audio Input (Command = 151) 2. Add Custom Output Read HDMI EDID Prefer Timing (Command = 152) 3. Add HDMI1 Input HDCP On/Off (Command = 153) Add HDMI2 Input HDCP On/Off (Command = 154) 4. Add Output Mode (Command = 25) 33: 480P@59.94Hz 34: 720P@59.94Hz 35: 1080P@23.98Hz 37: 1080P@29.97Hz 38: 1080P@59.94Hz	VTB1.21
17	2012/03/15	V2.6	1. Fix Example Example function code from 0 change to 1 2. Function 148, 149  "Switch Behavior』 change to "Hot Plug』	VTB 1.24

#### \*Notice:

- 1. The RS-232 command is for VP-728 and VP-729 only.
- 2. The blue highlight \_\_\_\_ means the latest update
- 3. The yellow highlight means the deleted item.

## 1 Serial Configuration:

Baud rate : 9600(Bits per second)Data bits : 8bits

Data bits: 8bitsParity: NoneStop bits: 1bit

### 2 Command Format:

#### 2.1 Communication confirm

Send	CR
Reply	CRLF>

#### 2.2 Set Command

Send	Y∆Control_Type∆Function∆ParamCR
Reply	Z∆Control_Type∆Function∆ParamCRLF>

#### 2.3 Get Command

Send	Y∆Control_Type∆FunctionCR
Reply	Z∆Control_Type∆Function∆ParamCRLF>

### 2.4 Example: set Input 1 Source Type to Component

Send	Y△0△ <mark>1</mark> △0CR
Reply	Z <sup>0</sup> 0 <sup>1</sup> 0CRLF>

#### 2.5 Example: get current Input 1 Source Type

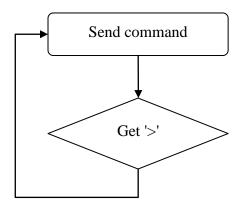
Send	Y△1△	<mark>1</mark> CR
Reply	Z△1△	1 <sup>o</sup> 0CRLF >

2.6 Δ: ASCII Code 0x20

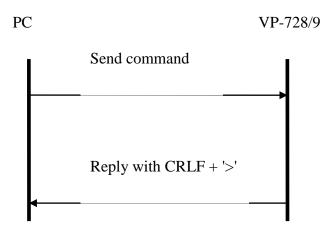
2.7 CR: Ascii Code 0x0D

2.8 CRLF: Ascii Code 0x0D+0x0A

## 2.9 Communication flow



## 2.10 Communication limitation



## 3 Command List:

Contro	І Туре	Function	Parameter	Description
Set	Get	Function	Parameter	Description
			0: Input 1	
			1: Input 2	
			2: Input 3	
			3: Input 4	
0	1	0	4: VGA 1	Input Source
			5: VGA 2	
			6: HDMI 1	
			7: HDMI 2	
			8: USB	
			0: Component	
0	1	1	1: YC	Input 1 Source Type
			2: Video	
			0: Component	
0	1	2	1: YC	Input 2 Source Type
			2: Video	
			0: Component	
0	1	3	1: YC	Input 3 Source Type
			2: Video	
			0: Component	
0	1	4	1: YC	Input 4 Source Type
			2: Video	
			0: Auto	
0	1	5	1: RGB	Input Color Format
			2: YUV	

Contro	ol Type	Function	Devementer	Decemention
Set	Get	Function	Parameter	Description
0	1	6	0: Auto 1: NTSC 2: PAL 3: PAL-M 4: PAL-N 5: NTSC 4.43 6: SECAM 7: PAL-60	Input Video Standard
0	1	7	1 ~ N	Input H-Position, N: changed with different input mode
0	1	8	2 ~ N	Input H-Position, N: changed with different input mode
0	1	9	0 ~ N	Input H-Position, N: changed with different input mode
0	1	10	0 ~ 31	Input Phase
0	-	11	n/a	Input Auto Image
0	1	12	0~100	Picture Brightness
0	1	13	0~100	Picture Contrast
0	1	14	0~100	Picture Color
0	1	15	0~360	Picture Hue
0	1	16	0~100	Picture Sharpness
0	1	17	0: Gamma 1 1: Gamma 2 2: Gamma 3 3: Gamma 4	Picture Output Gamma

Contro	I Туре	Function	Developed	Description
Set	Get		Parameter	Description
			4: Gamma 5	
			0: Auto	
0	1	18	1: Video	Picture Film Mode
			2: Film	
			0: Off	
0	1	10	1: Low	Dicture Temperal ND
U	I	19	2: Medium	Picture Temporal NR
			3: High	
			0: Off	
0	1	20	1: Low	Picture Mosquito NR
U			2: Medium	Ficture Mosquito MK
			3: High	
			0: Off	
0	1	21	1: On	Picture Block NR
			0: Off	
0	1	22	1: Low	Picture Detail Enhancement
			2: Medium	
			3: High	
			0: Off	
0	1	23	1: Low	Picture Luma Transition Enhance
			2: High	

Contro	I Туре	Function	Doromotor	Description
Set	Get	runction	Parameter	Description
			0: Off	
0	1	24	1: Low	Picture Chroma Transition Enhance
			2: High	
			0 : Native HDMI	
			1:640x480@60Hz	
			2:640x480@75Hz	
			3:800x600@50Hz	
			4:800x600@60Hz	
			5:800x600@75Hz	
			6 : 1024x768@50Hz	
			7 : 1024x768@60Hz	
			8 : 1024x768@75Hz	
	1 25		9 : 1280x768@50Hz	
0		25	10: 1280x768@60Hz	Output Resolution
O		23	11: 1280x720@60Hz	Output ixesolution
			12: 1280x800@60Hz	
			13: 1280x1024@50Hz	
			14: 1280x1024@60Hz	
			15: 1280x1024@75Hz	
			16: 1366x768@50Hz	
			17: 1366x768@60Hz	
			18: 1400x1050@50Hz	
			19: 1400x1050@60Hz	
			20: 1600x1200@50Hz	
			21: 1600x1200@60Hz	

Contro	Control Type		Danamatan	Decemention	
Set	Get	Function	Parameter	Description	
			22: 1680x1050@60Hz		
			23: 1920x1080@60Hz		
			24: 1920x1200@60Hz		
			25: 480p@60Hz		
			26: 576p@60Hz		
			27: 720p@50Hz		
			28: 720p@60Hz		
			29: 1080i@50Hz		
			30: 1080i@60Hz		
			31: 1080p@50Hz		
			32: 1080p@60Hz		
			33: 480P@59.94Hz		
			34: 720P@59.94Hz		
			35: 1080i@59.94Hz		
			36: 1080P@23.98Hz		
			37: 1080P@29.97Hz		
			38: 1080P@59.94Hz		
			96: Custom1		
			97: Custom2		
			98: Custom3		
			99: Custom4		
			0: Auto		
0	1	26	1: HDMI	Output HDMI Type	
			2: DVI		

Contro	Control Type		Dave-meter.	Description	
Set	Get	Function	Parameter	Description	
0	1	27 28	0: Best Fit 1: Letterbox 2: Follow Output 3: Virtual Wide 4: Follow Input 5: Custom -16 ~ 16	Aspect Ratio  H-Pan	
0	1	29	-16 ~ 16	V-Pan	
0	1	30	-8 ~ 8	H-Zoom	
0	1	31	-8 ~ 8	V-Zoom	
0	1	32	0: 100% 1: 150% 2: 200% 3: 225% 4: 250% 5: 275% 6: 300% 7: 325% 8: 350% 9: 375% 10: 400% 11: Custom	Zoom	
0	1	33	0 ~ 32	Custom Zoom	
0	1	34	0 ~ 31	Zoom H-Pan	
0	1	35	0 ~ 31	Zoom V-Pan	

Contro	Control Type		Donomotor	Description	
Set	Get	Function	Parameter	Description	
0	1	36	0: Off	PIP On/Off	
U	1	30	1: On	FIF OII/OII	
			0: Picture-In-Picture		
0	1	37	1: Picture + Picture	PIP Type	
			2: Split		
			0: Input 1		
			1: Input 2		
			2: Input 3		
0	1	38	3: Input 4	PIP Source	
O		30	4: VGA 1	FIF Source	
			5: VGA 2		
			6: HDMI 1		
			7: HDMI 2		
		39	0: 1/25		
			1: 1/16		
0	1		2: 1/9	PIP Size	
			3: 1/4		
			4: Custom		
0	1	40	0 ~ 128	PIP H-Position	
0	1	41	0 ~ 128	PIP V-Position	
0	1	42	0 ~ 255	PIP H-Size	
0	1	43	0 ~ 255	PIP V-Size	
0	4		0: Off	DID Faces	
0	1		1: On	PIP Frame	

Contro	Control Type		Doromotor	Description
Set	Get	Function	Parameter	Description
			0: Red	
0	1	45	1: Green	PIP Frame Color
			2: Blue	
0	1	46	0: Analog	Audio Input Type
0	'	70	1: S/PDIF	radio input Type
0	1	47	-22~0~+22	Audio Input Volume
0	1	48	-100~24	Audio Output Volume
0	-		111	Volume Up
0	-		-111	Volume Down
0	1	49	-36~0~+36	Audio Bass
0	1	50	-36~0~+36	Audio Treble
0	1	51	-10~10	Audio Balance
0	1	52	0: Off	Audio Loudness
U	1		1: On	Addio Loudiless
0	1	53	0: Dynamic	Audio Delay
0	'	33	1: User Define	Addio Delay
	1	54	0~340(step 2)	User Delay
			0: No audio	
			1: Input 1	
			2: Input 2	
0	1	55	3: Input 3	Audio Input For USB
			4: Input 4	
			5: VGA1	
			6: VGA2	

Control Type		Function	Donomoton	Description
Set	Get	Function	Parameter	Description
			0: Keystone	
0	1	56	1: Anyplace	Geometry Application
			2: Rotation	
			0: Front	
0	1	57	1: Ceiling	Coometry Legation
U	1	57	2: Rear	Geometry Location
			3: Rear ceiling	
0	1	58	-40 ~ 40	Geometry Horizontal Keystone
0	1	59	-30~30	Geometry Vertical Keystone
0	1	60	-2000~2000	Geometry Diagonal Projection – Top Left H
0	1	61	-2000~2000	Geometry Diagonal Projection – Top Left V
0	1	62	-2000~2000	Geometry Diagonal Projection – Top Right H
0	1	63	-2000~2000	Geometry Diagonal Projection – Top Right V
0	1	64	-2000~2000	Geometry Diagonal Projection – Bottom Left H
0	1	65	-2000~2000	Geometry Diagonal Projection – Bottom Left V
0	4	cc	2000 2000	Geometry Diagonal Projection – Bottom Right
0	1	66	-2000~2000	Н
0	4	67	0000 0000	Geometry Diagonal Projection – Bottom Right
0	1	67	-2000~2000	V
0	-	68	n/a	Geometry Diagonal Projection – Reset
0	1	69	-20 ~ 20	Geometry Pincushion/Barrel
0	1	70	-180 ~ 180	Geometry Rotation
0	-	71	n/a	Geometry Reset all
0		70	0: Profile 1	One of the second
0	-	72	1: Profile 2	Save Setting

ontrol Type	Function	Doromotor	Description
Get	Function	Parameter	Description
		2: Profile 3	
		3: Profile 4	
		4: Profile 5	
		5: Profile 6	
		6: Profile 7	
		7: Profile 8	
		0: Profile 1	
		1: Profile 2	
		2: Profile 3	
	70	3: Profile 4	Decall Cotting
-	13	4: Profile 5	Recall Setting
		5: Profile 6	
		6: Profile 7	
		7: Profile 8	
4	7.4	0: Off	Frame Lock
1	/4	1: On	Frame Lock
-	75	n/a	Factory Reset
1	76	n/a	Firmware Revision
4	77	0: 1400x1050x60	Mada Cat. Mada 4
1	//	1: 1680x1050x60	Mode Set – Mode 1
4	70	0: 1280x1024x75	Mada Cat. Mada C
1	/8	1: 1280x1024x76	Mode Set – Mode 2
		0: Center	
1	79	1: Top Left	OSD Menu Position
		2: Top Right	
	- 1 1 1 1	- 73  1 74  - 75 1 76 1 77 1 78	Cet

Contro	Control Type		Davamatan.	Description	
Set	Get	Function	Parameter	Description	
			3: Bottom Left		
			4: Bottom Right		
			0: 5 sec		
			1: 10 sec		
			2: 20 sec		
0	1	80	3: 30 sec	OSD Time Out	
			4: 60 sec		
			5: 90 sec		
			6: Off		
			0: Off		
0	1	81	1: On	Logo	
			2: Custom		
0	4	82	0: Black	Plank Calar	
0	1		1: Blue	Blank Color	
0	-	83	n/a	Capture	
		84	0: Black		
			1: Blue	David and the second	
0	1		2: Custom	Background	
			3: Disable Analog Sync		
		0.5	0: Off		
0	1	85	1: On	Save Lock	
		86	0: Off	Les 41 and	
0	1		1: On	Input Lock	
		0.7	0: Blank & Mute	Black to Continu	
0	1	87	1: Blank	Blank key function	

Contr	Control Type		Parameter	Description	
Set	Get	Function	Parameter	Description	
			2: Mute		
			0: Freeze & Mute		
0	1	88	1: Freeze	Freeze key function	
			2: Mute		
0	1	89	0: Off	Freeze	
	<u>'</u>	00	1: On	1 10020	
0	1	90	0: Off	Blank	
			1: On	Sidi III	
0	1	91	0: Off	Power	
	-		1: On		
0	-	92	n/a	Info	
0	-	93	n/a	Menu	
0	-	94	n/a	Тор	
0	-	95	n/a	Down	
0	-	96	n/a	Left	
0	-	97	n/a	Right	
0	-	98	n/a	Enter	
0	-	99	n/a	Picture	
0	-	100	n/a	Swap	
0	1	101	0: Off		
0	I	101	1: On	Mute	

Contro	Control Type		Devemates			Description
Set	Get	Function	r	Parameter		Description
0	1	102	0: Off			Lock
0	I	102	1: On			LOCK
			0: 640x480	60		
			1: 640x480	67	Mac13	
			2: 640x480	72		
			3: 640x480	75		
			4: 640x480	85		
			5: 720x400	70		
			6: 720x400	85		
			7: 800x600	56		
			8: 800x600	60		
			9: 800x600	72		
			10: 800x600	75		
-	1	103	11: 800x600	85		Main Input status
			12: 832x624	75	Mac16	
			13: 1024x768	60		
			14: 1024x768	70		
			15: 1024x768	75		
			16: 1024x768	75	Mac19	
			17: 1024x768	85		
			18: 1024x800	84	Sun	
			19: 1152x864	75		
			20: 1152x870	75	Mac21	
			21: 1152x900	66	Sun	
			22: 1152x900	76	Sun	

Control	Control Type		Downwoodow	Description
Set	Get	Function	Parameter	Description
			23: 1280x960 60	
			24: 1280x960 85	
			25: 1280x768 60	
			26: 1280x1024 60	
			27: 1280x1024 75	
			28: 1280x1024 76 Sun	
			29: 1280x1024 85	
			30: 1400x1050 60	
			31: 1400x1050 75	
			32: 1600x1200 60	
			33: 1680x1050 60	
			34: 1080i 60	
			35: 1080i 50	
			36: 1080p 60	
			37: 1080p 50	
			38: 720p60 60	
			39: 720p50 50	
			40: 480i	
			41: 480p	
			42: 576i	
			43: 576p	
			44: 1280x800 60(Reduce blank)	
			45: 1920x1200 60	
			46: 1920x1080 60	
			47: 1280x720 60	

Contro	Control Type		Donomotor	Description
Set	Get	Function	Parameter	Description
			48: 1080p 24	
			49: 1280x800 60	
			50: 1440x900 60	
			51: 1440x900 60(Reduce blank)	
			52: 1280x768_60 (Reduce blank)	
			53: 1680x1050 60(Reduce blank)	
			54: 1366x768 60	
			55: 1366x768_60 (Reduce blank)	
			94: Custom1	
			95: Custom2	
			96: Custom3	
			97: Custom4	
			98: No Input detected	
			99: other	
			101: NTSC	
			102: PAL	
			103: PAL-M	
			104: PAL-N	
			105: NTSC 4.43	
			106: SECAM	
			107: PAL-60	

Contro	Control Type		Barramatar		Decembring
Set	Get	Function	P	arameter	Description
-	<b>Get</b>	104	0: 640x480 60 1: 640x480 67 2: 640x480 72 3: 640x480 75 4: 640x480 85 5: 720x400 70 6: 720x400 85 7: 800x600 56 8: 800x600 72 10: 800x600 75 11: 800x600 85 12: 832x624 75 13: 1024x768 14: 1024x768 15: 1024x768 16: 1024x768 17: 1024x768 18: 1024x768 18: 1024x800 19: 1152x864 20: 1152x870 21: 1152x900 22: 1152x900	Mac16 60 70 75 75 Mac19 85 84 Sun 75 75 Mac21 66 Sun 76 Sun	PIP Input status
			19: 1152x864 20: 1152x870 21: 1152x900	75 75 Mac21 66 Sun	

Contro	I Туре	Franctica	Donomotor	Description
Set	Get	Function	Parameter	Description
			25: 1280x768 60	
			26: 1280x1024 60	
			27: 1280x1024 75	
			28: 1280x1024 76 Sun	
			29: 1280x1024 85	
			30: 1400x1050 60	
			31: 1400x1050 75	
			32: 1600x1200 60	
			33: 1680x1050 60	
			34: 1080i 60	
			35: 1080i 50	
			36: 1080p 60	
			37: 1080p 50	
			38: 720p60	
			39: 720p50	
			40: 480i	
			41: 480p	
			42: 576i	
			43: 576p	
			44: 1280x800 60(Reduce blank)	
			45: 1920x1200 60	
			46: 1920x1080 60	
			47: 1280x720 60	
			48: 1080p 24	
			49: 1280x800 60	

Contro	I Туре	Function	Parameter	Description
Set	Get	Function	Parameter	Description
			50: 1440x900 60	
			51: 1440x900 60(Reduce blank)	
			52: 1280x768_60 (Reduce blank)	
			53: 1680x1050 60(Reduce blank)	
			54: 1366x768 60	
			55: 1366x768_60 (Reduce blank)	
			94: Custom1	
			95: Custom2	
			96: Custom3	
			97: Custom4	
			98: No Input detected	
			99: other	
			101: NTSC	
			102: PAL	
			103: PAL-M	
			104: PAL-N	
			105: NTSC 4.43	
			106: SECAM	
			107: PAL-60	
0	1	105	512~3071	Advance Input Mode: HT

Contro	I Type	Function	Doromotor	Description
Set	Get	Function	Parameter	Description
0	1	106	32~(HS-48)	Advance Input Mode: HW
0	1	107	80~(HT-HA-12)	Advance Input Mode: HS
0	1	108	640~1920 <= (HT-92)	Advance Input Mode: HA
0	1	109	O: Negative polarity  1: Positive polarity	Advance Input Mode: HP

Contro	I Туре	Function	Parameter	Description
Set	Get	Function	Parameter	Description
0	1	110	384~2047	Advance Input Mode: VT
0	1	111	2~(HS-13)	Advance Input Mode: VW
0	1	112	15~(VT-VA-1)	Advance Input Mode: VS
0	1	113	480~1200 <= (VT-16)	Advance Input Mode: VA

Contro	l Type	Function	Parameter	Description
Set	Get	Function	Parameter	Description
0	1	114	O: Negative polarity  1: Positive polarity	Advance Input Mode: VP
0	1	115	25 < OCLK < 165	Advance Input Mode: OCLK(Integer)
0	1	116	25 < OCLK < 165	Advance Input Mode: OCLK(Decimal)
0	1	117	0: Off 1: On	Advance Input Mode: Enable

Contro	I Туре	Function	Doromotor	Description
Set	Get	Function	Parameter	Description
0	-	118	n/a	Advance Input Mode: Save
0	1	119	512~3071	Advance Output Mode: HT
0	1	120	32~(HS-48)	Advance Output Mode: HW
0	1	121	80~(HT-HA-12)	Advance Output Mode: HS

Contro	I Type	Function	Parameter	Description
Set	Get	Function	Parameter	Description
0	1	122	640~1920 <= (HT-92)	Advance Output Mode: HA
0	1	123	O: Negative polarity  1: Positive polarity	Advance Output Mode: HP
0	1	124	384~2047	Advance Output Mode: VT
0	1	125	2~(HS-13)	Advance Output Mode: VW

Contro	l Type	Function	Parameter	Description
Set	Get	Function	Parameter	Description
0	1	126	15~(VT-VA-1)	Advance Output Mode: VS
0	1	127	480~1200 <= (VT-16)	Advance Output Mode: VA
0	1	128	O: Negative polarity  1: Positive polarity	Advance Output Mode: VP
0	1	129	25 < OCLK < 165	Advance Output Mode: OCLK(Integer)

Control	Туре	Frantian	Domestics .	Description
Set	Get	Function	Parameter	Description
0	1	130	25 < OCLK < 165	Advance Output Mode: OCLK(Decimal)
0	-	131	n/a	Advance Output Mode: Save
0	-	132	n/a	Advance Output Mode: Set Current
0	-	133	n/a	Volume Up
0	-	134	n/a	Volume Down
0	1	135	0: Follow Output 1: Follow Input	HDCP Setting
0	1	136	0:Custom1 1:Custom2 2:Custom3 3:Custom4	Advance Input Mode: Custom Input

Contro	l Type	Function	Parameter	Description
Set	Get	Function	Parameter	Description
0	1	137	0:Custom1 1:Custom2 2:Custom3 3:Custom4	Advance Output Mode: Custom Output
0	1	138	0: Off 1: On	Overscan
0	1	139	0: Seamless 1: Fast	Switching Mode
0	1	140	0: Manual 1: Auto	Auto Image Mode
0	-	141	n/a	Slideshow Start
0	-	142	n/a	Slideshow Stop
0	-	143	n/a	Slideshow Pause
0	-	144	n/a	Slideshow Next
0	-	145	n/a	Slideshow Previous

Contro	I Type	Function	Parameter	Description
Set	Get	Function	Parameter	Description
0	1	146	0: Min 1: Low 2: Mid 3: Long 4: Max 5: Off	Slideshow
0	1	147	0: 1280x768x60 1: 1366x768x60	Mode Set – Mode 3
0	1	148	0 : Off 1 : On	HDMI1 Hot Plug
0	1	149	0 : Off 1 : On	HDMI2 Hot Plug
0	1	150	0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : VGA 1 5 : VGA 2 6 : HDMI 1	HDMI1 Audio Input
0	1	151	0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : VGA 1	HDMI2Audio Input

Contro	I Type	Function	Parameter	Description
Set	Get	Function	Farameter	Description
			5 : VGA 2 6 : HDMI 2	
0	-	152	-	Custom Output Read HDMI EDID Prefer Timing
0	1	153	0 : Off 1 : On	HDMI1 Input HDCP On/Off
0	1	154	0 : Off 1 : On	HDMI2Input HDCP On/Off

## 4 Error Code

Error code	Description
ERR 1	Unknown command
ERR 2	Unknown function
ERR 3	Unavailable function
ERR 4	Unknown control type
ERR 5	Unavailable get function
ERR 6	Unavailable set function
ERR 7	Unavailable parameter
ERR 8	Too few arguments