

Cary Audio Design

Cinema 11v HD Video Processor

RS-232 Protocol and Control Details

Com Port Setup:

Use standard communications settings. The default that most devices use/accept is:

Baud Rate : 9600 bps
Data Bits : 8
Parity : None
Stop Bits : 1 bit
Handshaking : None

Com Port Pin Configuration:

Use standard pin configuration. A configuration that allows direct connection to a PC via 9-pin straight through serial cable is best. Use of only 3 pins (Transmit, Receive, Ground) is best.

9 pin female D connector

Pin 2 = Transmit
Pin 3 = Receive
Pin 5 = Ground

Command Packets :

The Command Packets are provided for the Host Controller request to the Cinema 11v to perform a specific action.

Start character : '@'
COMMAND : see Data Packet 'COMMAND List'.
PARAMETERS : see Data Packet 'PARAMETERS List'.
End character (CR) : 0Dh

| | | | |
|--------------|---------|------------|------------|
| Start '@' | COMMAND | PARAMETERS | End 0Dh |
|--------------|---------|------------|------------|

Status Request Packets:

The Status Request packets are provided for the Host Controller to request the Cinema 11v to report specific operating statuses.

Start character : '@'
Query COMMAND : see Data Packet 'Query COMMAND Request List'.
Query PARAMETERS : see Data Packet 'Query PARAMETERS Request List'.
End character (CR) : 0Dh

| | | | |
|--------------|---------------|------------------|------------|
| Start '@' | Query COMMAND | Query PARAMETERS | End 0Dh |
|--------------|---------------|------------------|------------|

Cary Audio Design

Cinema 11v Surround Sound Processor

RS-232 Protocol and Control Details

Response data packets from the Cinema 11v to the HOST:

The Cinema 11v provides an Answer Parameters to the HOST when the Cinema 11v has received a correct command request packet.

Start character : '@'
Return COMMAND : see Data Packet 'Return COMMAND list'.
Return Parameters : see Data Packet 'Return Parameters List'.
End character (CR) : 0Dh

| | | | |
|--------------|----------------|-------------------|------------|
| Start '@' | Return COMMAND | Return Parameters | End 0Dh |
|--------------|----------------|-------------------|------------|

RS232-Interface Usage Details:

The RS-232 interface has a first-in-first-out (FIFO) buffer which will allow each command to be received in direct succession. Commands are executed in the order in which they are received with approximately a 1/2 second delay between each command. If a longer string of commands is necessary, a minimum of 1/2 second delay should be added before sending additional commands.

The Cinema 11v will send a NAK Response packet if the Cinema 11v has received an incorrect HOST command packet.

Start character : '@' NAK : ERR End character (CR) : 0Dh

| | | |
|--------------|-----|------------|
| Start '@' | NAK | End 0Dh |
|--------------|-----|------------|

Cinema 11v RS-232 commands

Specific Commands

| Command | Parameters | Description |
|----------------|-------------------|--|
| VP | x | Power on/off where x = 0,1 (off, on) |
| VI | x | Input selection where x =0,1,2,3, ... 17 (0=Auto,1=HDMI 1, 2=HDMI 2, 3=HDMI 3, 4=HDMI 4, 5=HDMI 6, 6=HDMI 6, 7=COMPONENT 1, 8=COMPONENT 2, 9=RGB, 10=INPUT 1, 11=INPUT 2, 12=INPUT 3, 13=INPUT 4, 14=INPUT 5, 15=INPUT 6,16=INPUT 7,17=INPUT 8) |
| VIRS | xnnnnnnnn | Input Sources Rename where x =0,1,2,3, ... 17 (0=Auto,1=HDMI 1, 2=HDMI 2, 3=HDMI 3, 4=HDMI 4, 5=HDMI 6, 6=HDMI 6, 7=COMPONENT 1, 8=COMPONENT 2, 9=RGB, 10=INPUT 1, 11=INPUT 2, 12=INPUT 3, 13=INPUT 4, 14=INPUT 5, 15=INPUT 6,16=INPUT 7,17=INPUT 8) where nnnnnnnn = any alphanumeric characters (up to 8) except ';' which is a command separator |
| VIA1 | x | HDMI 1 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA2 | x | HDMI 2 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA3 | x | HDMI 3 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA4 | x | HDMI 4 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA5 | x | HDMI 5 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA6 | x | HDMI 6 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA7 | x | COMPONENT 1 Input Assign x=Audio |

| | | |
|-------|----|--|
| | | where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA8 | x | COMPONENT 2 Input Assign x=Audio where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA9 | x | RGB Input Assign x=Audio where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA10 | yx | INPUT 1 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA11 | yx | INPUT 2 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA12 | yx | INPUT 3 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA13 | yx | INPUT 4 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA14 | yx | INPUT 4 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA15 | yx | INPUT 6 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA16 | yx | INPUT 7 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA17 | yx | INPUT 8 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) |

where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

| | | |
|--------|-----|---|
| VPC1BR | sxx | Picture Control brightness setting for HDMI 1 input where sxx = -50 to +50 |
| VPC1CO | sxx | Picture Control contrast setting for HDMI 1 input where sxx = -50 to +50 |
| VPC1SA | sxx | Picture Control saturation setting for HDMI 1 input where sxx = -50 to +50 |
| VPC1SH | sxx | Picture Control sharpness setting for HDMI 1 input where sxx = -12 to +12 |
| VPC1HU | sxx | Picture Control hue setting for HDMI 1 input where sxx = -50 to +50 |
| VPC1RG | sxx | Picture Control red gain setting for HDMI 1 input where sxx = -50 to +50 |
| VPC1GG | sxx | Picture Control 1gg=green gain setting for HDMI 1 input where sxx = -50 to +50 |
| VPC1BG | sxx | Picture Control blue gain setting for HDMI 1 input where sxx = -50 to +50 |
| VPC2BR | sxx | Picture Control brightness setting for HDMI 2 input where sxx = -50 to +50 |
| VPC2CO | sxx | Picture Control contrast setting for HDMI 2 input where sxx = -50 to +50 |
| VPC2SA | sxx | Picture Control saturation setting for HDMI 2 input where sxx = -50 to +50 |
| VPC2SH | sxx | Picture Control sharpness setting for HDMI 2 input where sxx = -12 to +12 |
| VPC2HU | sxx | Picture Control hue setting for HDMI 2 input where sxx = -50 to +50 |
| VPC2RG | sxx | Picture Control red gain setting for HDMI 2 input where sxx = -50 to +50 |
| VPC2GG | sxx | Picture Control green gain setting for HDMI 2 input where sxx = -50 to +50 |
| VPC2BG | sxx | Picture Control blue gain setting for HDMI 2 input where sxx = -50 to +50 |
| VPC3BR | sxx | Picture Control brightness setting for HDMI 3 input where sxx = -50 to +50 |
| VPC3CO | sxx | Picture Control contrast setting for HDMI 3 input where sxx = -50 to +50 |

| | | |
|--------|-----|---|
| VPC3SA | sxx | Picture Control saturation setting for HDMI 3 input where sxx = -50 to +50 |
| VPC3SH | sxx | Picture Control sharpness setting for HDMI 3 input where sxx = -12 to +12 |
| VPC3HU | sxx | Picture Control hue setting for HDMI 3 input where sxx = -50 to +50 |
| VPC3RG | sxx | Picture Control red gain setting for HDMI 3 input where sxx = -50 to +50 |
| VPC3GG | sxx | Picture Control green gain setting for HDMI 3 input where sxx = -50 to +50 |
| VPC3BG | sxx | Picture Control blue gain setting for HDMI 3 input where sxx = -50 to +50 |
| VPC4BR | sxx | Picture Control 4br=brightness setting for HDMI 4 input where xxx = -50 to +50 |
| VPC4CO | sxx | Picture Control contrast setting for HDMI 4 input where sxx = -50 to +50 |
| VPC4SA | sxx | Picture Control saturation setting for HDMI 4 input where sxx = -50 to +50 |
| VPC4SH | sxx | Picture Control sharpness setting for HDMI 4 input where sxx = -12 to +12 |
| VPC4HU | sxx | Picture Control hue setting for HDMI 4 input where sxx = -50 to +50 |
| VPC4RG | sxx | Picture Control red gain setting for HDMI 4 input where sxx = -50 to +50 |
| VPC4GG | sxx | Picture Control green gain setting for HDMI 4 input where sxx = -50 to +50 |
| VPC4BG | sxx | Picture Control blue gain setting for HDMI 4 input where sxx = -50 to +50 |
| VPC5BR | sxx | Picture Control brightness setting for HDMI 5 input where sxx = -50 to +50 |
| VPC5CO | sxx | Picture Control contrast setting for HDMI 5 input where sxx = -50 to +50 |
| VPC5SA | sxx | Picture Control saturation setting for HDMI 5 input where sxx = -50 to +50 |
| VPC5SH | sxx | Picture Control sharpness setting for HDMI 5 input where sxx = -12 to +12 |
| VPC5HU | sxx | Picture Control hue setting for HDMI 5 input where sxx = -50 to +50 |

| | | |
|--------|-----|--|
| VPC5RG | sxx | Picture Control red gain setting for HDMI 5 input where sxx = -50 to +50 |
| VPC5GG | sxx | Picture Control green gain setting for HDMI 5 input where sxx = -50 to +50 |
| VPC5BG | sxx | Picture Control blue gain setting for HDMI 5 input where sxx = -50 to +50 |
| VPC6BR | sxx | Picture Control brightness setting for HDMI 6 input where sxx = -50 to +50 |
| VPC6CO | sxx | Picture Control contrast setting for HDMI 6 input where sxx = -50 to +50 |
| VPC6SA | sxx | Picture Control saturation setting for HDMI 6 input where sxx = -50 to +50 |
| VPC6SH | sxx | Picture Control sharpness setting for HDMI 6 input where sxx = -12 to +12 |
| VPC6HU | sxx | Picture Control hue setting for HDMI 6 input where sxx = -50 to +50 |
| VPC6RG | sxx | Picture Control red gain setting for HDMI 6 input where sxx = -50 to +50 |
| VPC6GG | sxx | Picture Control green gain setting for HDMI 6 input where sxx = -50 to +50 |
| VPC6BG | sxx | Picture Control blue gain setting for HDMI 6 input where sxx = -50 to +50 |
| VPC7BR | sxx | Picture Control brightness setting for COMPONENT 1 input where sxx = -50 to +50 |
| VPC7CO | sxx | Picture Control contrast setting for COMPONENT 1 input where sxx = -50 to +50 |
| VPC7SA | sxx | Picture Control saturation setting for COMPONENT 1 input where sxx = -50 to +50 |
| VPC7SH | sxx | Picture Control sharpness setting for COMPONENT 1 input where sxx = -12 to +12 |
| VPC7HU | sxx | Picture Control hue setting for COMPONENT 1 input where sxx = -50 to +50 |
| VPC7RG | sxx | Picture Control red gain setting for COMPONENT 1 input where sxx = -50 to +50 |
| VPC7GG | sxx | Picture Control green gain setting for COMPONENT 1 input where sxx = -50 to +50 |
| VPC7BG | sxx | Picture Control blue gain setting for COMPONENT 1 input where sxx = -50 to +50 |

| | | |
|---------|-----|--|
| VPC8BR | sxx | Picture Control brightness setting for COMPONENT 2 input where sxx = -50 to +50 |
| VPC8CO | sxx | Picture Control contrast setting for COMPONENT 2 input where sxx = -50 to +50 |
| VPC8SA | sxx | Picture Control saturation setting for COMPONENT 2 input where sxx = -50 to +50 |
| VPC8SH | sxx | Picture Control sharpness setting for COMPONENT 2 input where sxx = -12 to +12 |
| VPC8HU | sxx | Picture Control hue setting for COMPONENT 2 input where sxx = -50 to +50 |
| VPC8RG | sxx | Picture Control red gain setting for COMPONENT 2 input where sxx = -50 to +50 |
| VPC8GG | sxx | Picture Control green gain setting for COMPONENT 2 input where sxx = -50 to +50 |
| VPC8BG | sxx | Picture Control blue gain setting for COMPONENT 2 input where sxx = -50 to +50 |
| VPC9BR | sxx | Picture Control brightness setting for RGB input where sxx = -50 to +50 |
| VPC9CO | sxx | Picture Control contrast setting for RGB input where sxx = -50 to +50 |
| VPC9SA | sxx | Picture Control saturation setting for RGB input where sxx = -50 to +50 |
| VPC9SH | sxx | Picture Control sharpness setting for RGB input where sxx = -12 to +12 |
| VPC8HU | sxx | Picture Control hue setting for RGB input where sxx = -50 to +50 |
| VPC9RG | sxx | Picture Control red gain setting for RGB input where sxx = -50 to +50 |
| VPC9GG | sxx | Picture Control green gain setting for RGB input where sxx = -50 to +50 |
| VPC9BG | sxx | Picture Control blue gain setting for RGB input where sxx = -50 to +50 |
| VPC10BR | sxx | Picture Control brightness setting for INPUT 1 input where sxx = -50 to +50 |
| VPC10CO | sxx | Picture Control contrast setting for INPUT 1 input where sxx = -50 to +50 |
| VPC10SA | sxx | Picture Control saturation setting for INPUT 1 input where sxx = -50 to +50 |

| | | |
|---------|-----|--|
| VPC10SH | sxx | Picture Control sharpness setting for INPUT 1 input where sxx = -12 to +12 |
| VPC10HU | sxx | Picture Control hue setting for INPUT 1 input where sxx = -50 to +50 |
| VPC10RG | sxx | Picture Control red gain setting for INPUT 1 input where sxx = -50 to +50 |
| VPC10GG | sxx | Picture Control green gain setting for INPUT 1 input where sxx = -50 to +50 |
| VPC10BG | sxx | Picture Control blue gain setting for INPUT 1 input where sxx = -50 to +50 |
| VPC11BR | sxx | Picture Control brightness setting for INPUT 2 input where sxx = -50 to +50 |
| VPC11CO | sxx | Picture Control contrast setting for INPUT 2 input where sxx = -50 to +50 |
| VPC11SA | sxx | Picture Control saturation setting for INPUT 2 input where sxx = -50 to +50 |
| VPC11SH | sxx | Picture Control sharpness setting for INPUT 2 input where sxx = -12 to +12 |
| VPC11HU | sxx | Picture Control hue setting for INPUT 2 input where sxx = -50 to +50 |
| VPC11RG | sxx | Picture Control red gain setting for INPUT 2 input where sxx = -50 to +50 |
| VPC11GG | sxx | Picture Control green gain setting for INPUT 2 input where sxx = -50 to +50 |
| VPC11BG | sxx | Picture Control blue gain setting for INPUT 2 input where sxx = -50 to +50 |
| VPC12BR | sxx | Picture Control brightness setting for INPUT 3 input where sxx = -50 to +50 |
| VPC12CO | sxx | Picture Control contrast setting for INPUT 3 input where sxx = -50 to +50 |
| VPC12SA | sxx | Picture Control saturation setting for INPUT 3 input where sxx = -50 to +50 |
| VPC12SH | sxx | Picture Control sharpness setting for INPUT 3 input where sxx = -12 to +12 |
| VPC12HU | sxx | Picture Control hue setting for INPUT 3 input where sxx = -50 to +50 |
| VPC12RG | sxx | Picture Control red gain setting for INPUT 3 input where sxx = -50 to +50 |

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|---------|-----|--|
| VPC12GG | sxx | Picture Control green gain setting for INPUT 3 input where sxx = -50 to +50 |
| VPC12BG | sxx | Picture Control blue gain setting for INPUT 3 input where sxx = -50 to +50 |
| VPC13BR | sxx | Picture Control brightness setting for INPUT 4 input where xxx = -50 to +50 |
| VPC13CO | sxx | Picture Control contrast setting for INPUT 4 input where sxx = -50 to +50 |
| VPC13SA | sxx | Picture Control saturation setting for INPUT 4 input where sxx = -50 to +50 |
| VPC13SH | sxx | Picture Control sharpness setting for INPUT 4 input where sxx = -12 to +12 |
| VPC13HU | sxx | Picture Control hue setting for INPUT 4 input where sxx = -50 to +50 |
| VPC13RG | sxx | Picture Control red gain setting for INPUT 4 input where sxx = -50 to +50 |
| VPC13GG | sxx | Picture Control green gain setting for INPUT 4 input where sxx = -50 to +50 |
| VPC13BG | sxx | Picture Control blue gain setting for INPUT 4 input where sxx = -50 to +50 |
| VPC14BR | sxx | Picture Control brightness setting for INPUT 5 input where sxx = -50 to +50 |
| VPC14CO | sxx | Picture Control contrast setting for INPUT 5 input where sxx = -50 to +50 |
| VPC14SA | sxx | Picture Control saturation setting for INPUT 5 input where sxx = -50 to +50 |
| VPC14SH | sxx | Picture Control sharpness setting for INPUT 5 input where sxx = -12 to +12 |
| VPC14HU | sxx | Picture Control hue setting for INPUT 5 input where sxx = -50 to +50 |
| VPC14RG | sxx | Picture Control red gain setting for INPUT 5 input where sxx = -50 to +50 |
| VPC14GG | sxx | Picture Control green gain setting for INPUT 5 input where sxx = -50 to +50 |
| VPC14RG | sxx | Picture Control blue gain setting for INPUT 5 input where sxx = -50 to +50 |
| VPC15BR | sxx | Picture Control brightness setting for INPUT 6 input where sxx = -50 to +50 |

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|---------|-----|--|
| VPC15CO | sxx | Picture Control contrast setting for INPUT 6 input where sxx = -50 to +50 |
| VPC15SA | sxx | Picture Control saturation setting for INPUT 6 input where sxx = -50 to +50 |
| VPC15SH | sxx | Picture Control sharpness setting for INPUT 6 input where sxx = -12 to +12 |
| VPC15HU | sxx | Picture Control hue setting for INPUT 6 input where sxx = -50 to +50 |
| VPC15RG | sxx | Picture Control red gain setting for INPUT 6 input where sxx = -50 to +50 |
| VPC15GG | sxx | Picture Control green gain setting for INPUT 6 input where sxx = -50 to +50 |
| VPC15BG | sxx | Picture Control blue gain setting for INPUT 6 input where sxx = -50 to +50 |
| VPC16BR | sxx | Picture Control brightness setting for INPUT 7 input where sxx = -50 to +50 |
| VPC16CO | sxx | Picture Control contrast setting for INPUT 7 input where sxx = -50 to +50 |
| VPC16SA | sxx | Picture Control saturation setting for INPUT 7 input where sxx = -50 to +50 |
| VPC16SH | sxx | Picture Control sharpness setting for INPUT 7 input where sxx = -12 to +12 |
| VPC16HU | sxx | Picture Control hue setting for INPUT 7 input where sxx = -50 to +50 |
| VPC16RG | sxx | Picture Control red gain setting for INPUT 7 input where sxx = -50 to +50 |
| VPC16GG | sxx | Picture Control green gain setting for INPUT 7 input where sxx = -50 to +50 |
| VPC16BG | sxx | Picture Control blue gain setting for INPUT 7 input where sxx = -50 to +50 |
| VPC17BR | sxx | Picture Control brightness setting for INPUT 8 input where sxx = -50 to +50 |
| VPC17CO | sxx | Picture Control contrast setting for INPUT 8 input where sxx = -50 to +50 |
| VPC17SA | sxx | Picture Control saturation setting for INPUT 8 input where sxx = -50 to +50 |
| VPC17SH | sxx | Picture Control sharpness setting for INPUT 8 input where sxx = -12 to +12 |

| | | |
|---------|-----|--|
| VPC17HU | sxx | Picture Control hue setting for INPUT 8 input where sxx = -50 to +50 |
| VPC17RG | sxx | Picture Control red gain setting for INPUT 8 input where sxx = -50 to +50 |
| VPC17GG | sxx | Picture Control green gain setting for INPUT 8 input where sxx = -50 to +50 |
| VPC17BG | sxx | Picture Control blue gain setting for INPUT 8 input where sxx = -50 to +50 |
| VO1RE | x | Set Resolution for HDMI 1 output where x=0,1,2,3,...8 (0=Auto, 1=480/576p, 2=720p, 3=1080i, 4=1080p, 5=1080p/24, 6=640x480, 7=800x600, 8=1024x768, 9=1280x1024) |
| VO1ARDI | x | Set Display of Aspect Ratio for HDMI 1 output where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User) |
| VO1ARSC | x | Set Screen of Aspect Ratio for HDMI 1 output where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User) |
| VO1ARSH | sxx | Set Hor. Shift for HDMI 1 output where sxx = -50 to +50 |
| VO1ARSV | sxx | Set Ver. Shift for HDMI 1 output where sxx = -50 to +50 |
| VO1CS | x | Set Color Space of HDMI 1 output where x=0,1,2,3 (0=Auto, 1=YCbCr 4:2:2, 2=YCbCr 4:4:4, 3=RGB (PC) 0-255) |
| VO2RE | x | Set Resolution for HDMI 2 output where x=0,1,2,3,...7 (0=Auto, 1=480/576i, 2=480/576p, 3=720p, 4=1080i, 5=1080p, 6=1080p/24, 7=640x480) |
| VO2ARDI | x | Set Display of Aspect Ratio for HDMI 1 output where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User) |
| VO2ARSH | sxx | Set Hor. Shift for HDMI 2 output where sxx = -50 to +50 |
| VO2ARSV | sxx | Set Ver. Shift for HDMI 2 output where sxx = -50 to +50 |
| VO2CS | x | Set Color Space of HDMI 2 output where x=0,1,2,3 (0=Auto, 1=YCbCr 4:2:2, 2=YCbCr 4:4:4, 3=RGB (PC) 0-255) |
| VTP | x | Test Patterns selection where x=0,1,2,3,...10 (0=Off, 1=Color Bars 2=Multiburst (V), 3=Multiburst (H), 4=Cross Hatch 1, 5=B/W long checked 1, 6=B/W long checked 2, 7=B/W long checked 3, 8=B/W long checked 4, 9=3D checked) |
| VASVBR | x | Set VFD bright where x=0,1,2,3 (0=High 1=Mid, 2=Low, 3=Off) |

| | | |
|---------|------------|---|
| VASECN | nnnnnnnnnn | Edit Custom Name where nnnnnnnnnn = any alphanumeric characters (up to 20) except ';' which is a command separator |
| VASIRC | xy | Set IR Controls where x=0,1,2 (0=Front, 1=Rear 2=Both) where y=0,1 (0=Normal 1=Invert) |
| VASZM | x | Zoom selection where x=0 to 9 level |
| VASTR | x | Set Trigger output where x=0,1,2, (0=Trigger 1 out, 1=Trigger 2 out, 2=Trigger 1 & 2 out) |
| VAS3D | x | 3D COMB Filter selection where x=0,1 (0=Off, 1=On) |
| VASEDID | x | Audio EDID Channel selection where x=0,1 (0=HDMI 1 output port, 1=HDMI 2 output port) |

Cinema 11v RS-232 Query commands

Specific Commands

| Command | Parameters | Description |
|---------|------------|---|
| VP? | | Query Power on/off return: VPx where x = 0,1 (off, on) |
| VI? | | Query Input sources return: VIx where x =1,2,3, ... 17 (1=HDMI 1, 2=HDMI 2, 3=HDMI 3, 4=HDMI 4, 5=HDMI 5, 6=HDMI 6, 7=COMPONENT 1, 8=COMPONENT 2, 9=RGB, 10=INPUT 1, 11=INPUT 2, 12=INPUT 3, 13=INPUT 4, 14=INPUT 5, 15=INPUT 6,16=INPUT 7,17=INPUT 8) |
| VIA1? | | Query HDMI 1 Input Audio Assign return: VIA1x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA2? | | Query HDMI 2 Input Audio Assign return: VIA2x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA3? | | Query HDMI 3 Input Audio Assign return: VIA3x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA4? | | Query HDMI 4 Input Audio Assign return: VIA4x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA5? | | Query HDMI 5 Input Audio Assign return: VIA5x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA6? | | Query HDMI 6 Input Audio Assign return: VIA6x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO) |
| VIA7? | | Query COMPONENT 1 Input Audio Assign return: VIA7x where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA8? | | Query COMPONENT 2 Input Audio Assign return: VIA8x where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |
| VIA9? | | Query RGB Input Audio Assign return: VIA9x where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO) |

VIA10? Query INPUT 1 Input Video and Audio Assign return: VIA10yx
where y =0,1 (0=video 1=s-video)
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VIA11? Query INPUT 2 Input Video and Audio Assign return: VIA11yx
where y =0,1 (0=video 1=s-video)
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VIA12? Query INPUT 3 Input Video and Audio Assign return: VIA12yx
where y =0,1 (0=video 1=s-video)
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VIA13? Query INPUT 4 Input Video and Audio Assign return: VIA13yx
where y =0,1 (0=video 1=s-video)
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VIA14? Query INPUT 4 Input Video and Audio Assign return: VIA14yx
where y =0,1 (0=video 1=s-video)
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VIA15? Query INPUT 6 Input Video and Audio Assign return: VIA15yx
where y =0,1 (0=video 1=s-video)
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VIA16? Query INPUT 7 Input Video and Audio Assign return: VIA16yx
where y =0,1 (0=video 1=s-video)
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VIA17? Query INPUT 8 Input Video and Audio Assign return: VIA17yx
where y =0,1 (0=video 1=s-video)
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VPC1BR? Query Picture Control brightness setting for HDMI 1 input return: VPC1BRsxx
where sxx = -50 to +50

VPC1CO? Query Picture Control contrast setting for HDMI 1 input return: VPC1COsxx
where sxx = -50 to +50

VPC1SA? Query Picture Control saturation setting for HDMI 1 input return: VPC1SAsxx
where sxx = -50 to +50

| | | |
|---------|-----------------------|---|
| VPC1SH? | Query Picture Control | sharpness setting for HDMI 1 input return: VPC1SHsxx where sxx = -12 to +12 |
| VPC1HU? | Query Picture Control | hue setting for HDMI 1 input return: VPC1HU sxx where sxx = -50 to +50 |
| VPC1RG? | Query Picture Control | red gain setting for HDMI 1 input return: VPC1RGsxx where sxx = -50 to +50 |
| VPC1GG? | Query Picture Control | green gain setting for HDMI 1 input return: VPC1GGsxx where sxx = -50 to +50 |
| VPC1BG? | Query Picture Control | blue gain setting for HDMI 1 input return: VPC1BGsxx where sxx = -50 to +50 |
| VPC2BR? | Query Picture Control | brightness setting for HDMI 2 input return: VPC2BRsxx where sxx = -50 to +50 |
| VPC2CO? | Query Picture Control | contrast setting for HDMI 2 input return: VPC2COsxx where sxx = -50 to +50 |
| VPC2SA? | Query Picture Control | saturation setting for HDMI 2 input return: VPC2SAsxx where sxx = -50 to +50 |
| VPC2SH? | Query Picture Control | sharpness setting for HDMI 2 input return: VPC2SHsxx where sxx = -12 to +12 |
| VPC2HU? | Query Picture Control | hue setting for HDMI 2 input return: VPC2HU sxx where sxx = -50 to +50 |
| VPC2RG? | Query Picture Control | red gain setting for HDMI 2 input return: VPC2RGsxx where sxx = -50 to +50 |
| VPC2GG? | Query Picture Control | green gain setting for HDMI 2 input return: VPC2GGsxx where sxx = -50 to +50 |
| VPC2BG? | Query Picture Control | blue gain setting for HDMI 2 input return: VPC2BGsxx where sxx = -50 to +50 |
| VPC3BR? | Query Picture Control | brightness setting for HDMI 3 input return: VPC3BRsxx where sxx = -50 to +50 |
| VPC3CO? | Query Picture Control | contrast setting for HDMI 3 input return: VPC3COsxx where sxx = -50 to +50 |
| VPC3SA? | Query Picture Control | saturation setting for HDMI 3 input return: VPC3SAsxx where sxx = -50 to +50 |
| VPC3SH? | Query Picture Control | sharpness setting for HDMI 3 input return: VPC3SHsxx where sxx = -12 to +12 |
| VPC3HU? | Query Picture Control | hue setting for HDMI 3 input return: VPC3HU sxx where sxx = -50 to +50 |
| VPC3RG? | Query Picture Control | red gain setting for HDMI 3 input return: VPC3RGsxx where sxx = -50 to +50 |

| | | |
|---------|-----------------------|---|
| VPC3GG? | Query Picture Control | green gain setting for HDMI 3 input return: VPC3GGsxx where sxx = -50 to +50 |
| VPC3BG? | Query Picture Control | blue gain setting for HDMI 3 input return: VPC3BGsxx where sxx = -50 to +50 |
| VPC4BR? | Query Picture Control | brightness setting for HDMI 4 input return: VPC4BRsxx where sxx = -50 to +50 |
| VPC4CO? | Query Picture Control | contrast setting for HDMI 4 input return: VPC4COsxx where sxx = -50 to +50 |
| VPC4SA? | Query Picture Control | saturation setting for HDMI 4 input return: VPC4SAsxx where sxx = -50 to +50 |
| VPC4SH? | Query Picture Control | sharpness setting for HDMI 4 input return: VPC4SHsxx where sxx = -12 to +12 |
| VPC4HU? | Query Picture Control | hue setting for HDMI 4 input return: VPC4HU sxx where sxx = -50 to +50 |
| VPC4RG? | Query Picture Control | red gain setting for HDMI 4 input return: VPC4RGsxx where sxx = -50 to +50 |
| VPC4GG? | Query Picture Control | green gain setting for HDMI 4 input return: VPC4GGsxx where sxx = -50 to +50 |
| VPC4BG? | Query Picture Control | blue gain setting for HDMI 4 input return: VPC4BRsxx where sxx = -50 to +50 |
| VPC5BR? | Query Picture Control | brightness setting for HDMI 5 input return: VPC5BRsxx where sxx = -50 to +50 |
| VPC5CO? | Query Picture Control | contrast setting for HDMI 5 input return: VPC5COsxx where sxx = -50 to +50 |
| VPC5SA? | Query Picture Control | saturation setting for HDMI 5 input return: VPC5SAsxx where sxx = -50 to +50 |
| VPC5SH? | Query Picture Control | sharpness setting for HDMI 5 input return: VPC5SHsxx where sxx = -12 to +12 |
| VPC5HU? | Query Picture Control | hue setting for HDMI 5 input return: VPC5HU sxx where sxx = -50 to +50 |
| VPC5RG? | Query Picture Control | red gain setting for HDMI 5 input return: VPC5RGsxx where sxx = -50 to +50 |
| VPC5GG? | Query Picture Control | green gain setting for HDMI 5 input return: VPC5GGsxx where sxx = -50 to +50 |
| VPC5BG? | Query Picture Control | blue gain setting for HDMI 5 input return: VPC5BGsxx where sxx = -50 to +50 |
| VPC6BR? | Query Picture Control | brightness setting for HDMI 6 input return: VPC6BRsxx where sxx = -50 to +50 |

VPC6CO? Query Picture Control contrast setting for HDMI 6 input return: VPC6COsxx
where sxx = -50 to +50

VPC6SA? Query Picture Control saturation setting for HDMI 6 input return:VPC6SAsxx
where sxx = -50 to +50

VPC6SH? Query Picture Control sharpness setting for HDMI 6 input return: VPC6SHsxx
where sxx = -12 to +12

VPC6HU? Query Picture Control hue setting for HDMI 6 input return: VPC6HUsxx
where sxx = -50 to +50

VPC6RG? Query Picture Control red gain setting for HDMI 6 input return: VPC6RGsxx
where sxx = -50 to +50

VPC6GG? Query Picture Control green gain setting for HDMI 6 input return: VPC6GGsxx
where sxx = -50 to +50

VPC6BG? Query Picture Control blue gain setting for HDMI 6 inputreturn: VPC6BGsxx
where sxx = -50 to +50

VPC7BR? Query Picture Control brightness setting for COMPONENT 1 input return:
VPC7BRsxx
where sxx = -50 to +50

VPC7CO? Query Picture Control contrast setting for COMPONENT 1 input return: VPC7COsxx
where sxx = -50 to +50

VPC7SA? Query Picture Control saturation setting for COMPONENT 1 input return:VPC7SAsxx
where sxx = -50 to +50

VPC7SH? Query Picture Control sharpness setting for COMPONENT 1 input return:
VPC7SHsxx
where sxx = -12 to +12

VPC7HU? Query Picture Control hue setting for COMPONENT 1 input return: VPC7HUsxx
where sxx = -50 to +50

VPC7RG? Query Picture Control red gain setting for COMPONENT 1 input return: VPC7RGsxx
where sxx = -50 to +50

VPC7GG? Query Picture Control green gain setting for COMPONENT 1 input return:
VPC7GGsxx
where sxx = -50 to +50

VPC7BG? Query Picture Control blue gain setting for COMPONENT 1 inputreturn: VPC7BGsxx
where sxx = -50 to +50

VPC8BR? Query Picture Control brightness setting for COMPONENT 2 input return:VPC8BRsxx
where sxx = -50 to +50

VPC8CO? Query Picture Control contrast setting for COMPONENT 2 input return: VPC8COsxx
where sxx = -50 to +50

VPC8SA? Query Picture Control saturation setting for COMPONENT 2 input return :

VPC8SAsxx

where sxx = -50 to +50

VPC8SH? Query Picture Control sharpness setting for COMPONENT 2 input return:

VPC8SHsxx

where sxx = -12 to +12

VPC8HU? Query Picture Control hue setting for COMPONENT 2 input return:VPC8HUsxx

where sxx = -50 to +50

VPC8RG? Query Picture Control red gain setting for COMPONENT 2 input return: VPC8RGsxx

where sxx = -50 to +50

VPC8GG? Query Picture Control green gain setting for COMPONENT 2 input return:

VPC8GGsxx

where sxx = -50 to +50

VPC8BG? Query Picture Control blue gain setting for COMPONENT 2 input return: VPC8BGsxx

where sxx = -50 to +50

VPC9BR? Query Picture Control brightness setting for RGB input return:VPC9BRsxx

where sxx = -50 to +50

VPC9CO? Query Picture Control contrast setting for RGB input return: VPC9COsxx

where sxx = -50 to +50

VPC9SA? Query Picture Control saturation setting for RGB input return:VPC9SAsxx

where sxx = -50 to +50

VPC9SH? Query Picture Control sharpness setting for RGB input return: VPC9SHsxx

where sxx = -12 to +12

VPC9HU? Query Picture Control hue setting for RGB input return: VPC9HUsxx

where sxx = -50 to +50

VPC9RG? Query Picture Control red gain setting for RGB input return: VPC9RGsxx

where sxx = -50 to +50

VPC9GG? Query Picture Control green gain setting for RGB input return: VPC9GGsxx

where sxx = -50 to +50

VPC9BG? Query Picture Control blue gain setting for RGB input return: VPC9BGsxx

where sxx = -50 to +50

VPC10BR? Query Picture Control brightness setting for INPUT 1 input return: VPC10BRsxx

where sxx = -50 to +50

VPC10CO? Query Picture Control contrast setting for INPUT 1 input return: VPC10COsxx

where sxx = -50 to +50

VPC10SA? Query Picture Control saturation setting for INPUT 1 input return: VPC10SAsxx

where sxx = -50 to +50

VPC10SH? Query Picture Control sharpness setting for INPUT 1 input return: VPC10SHsxx

where sxx = -12 to +12

VPC10HU? Query Picture Control hue setting for INPUT 1 input return: VPC10HUxxx
where sxx = -50 to +50

VPC10RG? Query Picture Control red gain setting for INPUT 1 input return: VPC10RGsxx
where sxx = -50 to +50

VPC10GG? Query Picture Control green gain setting for INPUT 1 input return: VPC10GGsxx
where sxx = -50 to +50

VPC10BG? Query Picture Control blue gain setting for INPUT 1 input return: VPC10BGsxx
where sxx = -50 to +50

VPC11BR? Query Picture Control brightness setting for INPUT 2 input return: VPC11BRsxx
where sxx = -50 to +50

VPC11CO? Query Picture Control contrast setting for INPUT 2 input return: VPC11COsxx
where sxx = -50 to +50

VPC11SA? Query Picture Control saturation setting for INPUT 2 input return: VPC11SAsxx
where sxx = -50 to +50

VPC11SH? Query Picture Control sharpness setting for INPUT 2 input return: VPC11SHsxx
where sxx = -12 to +12

VPC11HU? Query Picture Control hue setting for INPUT 2 input return: VPC11HUxxx
where sxx = -50 to +50

VPC11RG? Query Picture Control red gain setting for INPUT 2 input return: VPC11RGsxx
where sxx = -50 to +50

VPC11GG? Query Picture Control green gain setting for INPUT 2 input return: VPC11GGsxx
where sxx = -50 to +50

VPC11BG? Query Picture Control blue gain setting for INPUT 2 input return: VPC11BGsxx
where sxx = -50 to +50

VPC12BR? Query Picture Control brightness setting for INPUT 3 input return: VPC12BRsxx
where sxx = -50 to +50

VPC12CO? Query Picture Control contrast setting for INPUT 3 input return: VPC12COsxx
where sxx = -50 to +50

VPC12SA? Query Picture Control saturation setting for INPUT 3 input return: VPC12SAsxx
where sxx = -50 to +50

VPC12SH? Query Picture Control sharpness setting for INPUT 3 input return: VPC12SHsxx
where sxx = -12 to +12

VPC12HU? query Picture Control hue setting for INPUT 3 input return: VPC12HUxxx
where sxx = -50 to +50

VPC12RG? Query Picture Control red gain setting for INPUT 3 input return: VPC12RGsxx
where sxx = -50 to +50

VPC12GG? Query Picture Control green gain setting for INPUT 3 input return: VPC12GGsxx
where sxx = -50 to +50

VPC12BG? Query Picture Control blue gain setting for INPUT 3 input return: VPC12BGsxx
where sxx = -50 to +50

VPC13BR? Query Picture Control brightness setting for INPUT 4 input return: VPC13BRsxx
where sxx = -50 to +50

VPC13CO? Query Picture Control contrast setting for INPUT 4 input return: VPC13COsxx
where sxx = -50 to +50

VPC13SA? Query Picture Control saturation setting for INPUT 4 input return: VPC13SAsxx
where sxx = -50 to +50

VPC13SH? Query Picture Control sharpness setting for INPUT 4 input return: VPC13SHsxx
where sxx = -12 to +12

VPC13HU? Query Picture Control hue setting for INPUT 4 input return: VPC13HU sxx
where sxx = -50 to +50

VPC13RG? Query Picture Control red gain setting for INPUT 4 input return: VPC13RGsxx
where sxx = -50 to +50

VPC13GG? Query Picture Control green gain setting for INPUT 4 input return: VPC13GGsxx
where sxx = -50 to +50

VPC13BG? Query Picture Control blue gain setting for INPUT 4 input return: VPC13BGsxx
where sxx = -50 to +50

VPC14BR? Query Picture Control brightness setting for INPUT 5 input return: VPC14BRsxx
where sxx = -50 to +50

VPC14CO? Query Picture Control contrast setting for INPUT 5 input return: VPC14COsxx
where sxx = -50 to +50

VPC14SA? Query Picture Control saturation setting for INPUT 5 input return: VPC14SAsxx
where sxx = -50 to +50

VPC14SH? Query Picture Control sharpness setting for INPUT 5 input return: VPC14SHsxx
where sxx = -12 to +12

VPC14HU? Query Picture Control hue setting for INPUT 5 input return: VPC14HU sxx
where sxx = -50 to +50

VPC14RG? Query Picture Control red gain setting for INPUT 5 input return: VPC14RGsxx
where sxx = -50 to +50

VPC14GG? Query Picture Control green gain setting for INPUT 5 input return: VPC14GGsxx
where sxx = -50 to +50

VPC14BG? Query Picture Control blue gain setting for INPUT 5 input return: VPC14BGsxx
where sxx = -50 to +50

VPC15BR? Query Picture Control brightness setting for INPUT 6 input return: VPC15BRsxx
where sxx = -50 to +50

VPC15CO? Query Picture Control contrast setting for INPUT 6 input return: VPC15COsxx
where sxx = -50 to +50

| | | | |
|----------|-----------------------|--------------------------------------|--|
| VPC15SA? | Query Picture Control | saturation setting for INPUT 6 input | return: VPC15SAsxx where sxx = -50 to +50 |
| VPC15SH? | Query Picture Control | sharpness setting for INPUT 6 input | return: VPC15SHsxx where sxx = -12 to +12 |
| VPC15HU? | Query Picture Control | hue setting for INPUT 6 input | return: VPC15HUxxx where sxx = -50 to +50 |
| VPC15RG? | Query Picture Control | red gain setting for INPUT 6 input | return: VPC15RGsxx where sxx = -50 to +50 |
| VPC15GG? | Query Picture Control | green gain setting for INPUT 6 input | return: VPC15GGsxx where sxx = -50 to +50 |
| VPC15BG? | Query Picture Control | blue gain setting for INPUT 6 input | return: VPC15BGsxx where sxx = -50 to +50 |
| VPC16BR? | Query Picture Control | brightness setting for INPUT 7 input | return: VPC16BRsxx where sxx = -50 to +50 |
| VPC16CO? | Query Picture Control | contrast setting for INPUT 7 input | return: VPC16COsxx where sxx = -50 to +50 |
| VPC16SA? | Query Picture Control | saturation setting for INPUT 7 input | return: VPC16SAsxx where sxx = -50 to +50 |
| VPC16SH? | Query Picture Control | sharpness setting for INPUT 7 input | return: VPC16SHsxx where sxx = -12 to +12 |
| VPC16HU? | Query Picture Control | hue setting for INPUT 7 input | return: VPC16HUxxx where sxx = -50 to +50 |
| VPC16RG? | Query Picture Control | red gain setting for INPUT 7 input | return: VPC16RGsxx where sxx = -50 to +50 |
| VPC16GG? | Query Picture Control | green gain setting for INPUT 7 input | return: VPC16GGsxx where sxx = -50 to +50 |
| VPC16BG? | Query Picture Control | blue gain setting for INPUT 7 input | return: VPC16BGsxx where sxx = -50 to +50 |
| VPC17BR? | Query Picture Control | brightness setting for INPUT 8 input | return: VPC17BRsxx where sxx = -50 to +50 |
| VPC17CO? | Query Picture Control | contrast setting for INPUT 8 input | return: VPC17COsxx where sxx = -50 to +50 |
| VPC17SA? | Query Picture Control | saturation setting for INPUT 8 input | return: VPC17SAsxx where sxx = -50 to +50 |
| VPC17SH? | Query Picture Control | sharpness setting for INPUT 8 input | return: VPC17SHsxx where sxx = -12 to +12 |
| VPC17HU? | Query Picture Control | hue setting for INPUT 8 input | return: VPC17HUxxx where sxx = -50 to +50 |

VPC17RG? Query Picture Control red gain setting for INPUT 8 input return: VPC17RGsxx
where sxx = -50 to +50

VPC17GG? Query Picture Control green gain setting for INPUT 8 input return: VPC17GGsxx
where sxx = -50 to +50

VPC17BG? Query Picture Control blue gain setting for INPUT 8 input return: VPC17BGsxx
where sxx = -50 to +50

VO1RE? Query Resolution for HDMI 1 output return: VO1REx
where x=0,1,2,3,...8 (0=Auto, 1=480/576p, 2=720p, 3=1080i, 4=1080p, 5=1080p/24, 6=640x480, 7=800x600, 8=1024x768, 9=1280x1024)

VO1ARDI? Query Display of Aspect Ratio for HDMI 1 output return: VO1ARDIx
where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User)

VO1ARSC? Query Screen of Aspect Ratio for HDMI 1 output return: VO1ARSCx
where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User)

VO1ARSH? Query Hor. Shift for HDMI 1 output return: VO1ARSHsxx
where sxx = -50 to +50

VO1ARSV? Query Ver. Shift for HDMI 1 output return: VO1ARSVsxx
where sxx = -50 to +50

VO1CS? Query Color Space of HDMI 1 output return: VO1CSx
where x=0,1,2,3 (0=Auto, 1=YCbCr 4:2:2, 2=YCbCr 4:4:4, 3=RGB (PC) 0-255)

VO2RE? Query Resolution for HDMI 2 output return: VO2REx
where x=0,1,2,3,...7 (0=Auto, 1=480/576i, 2=480/576p, 3=720p, 4=1080i, 5=1080p, 6=1080p/24, 7=640x480)

VO2ARDI? Query Display of Aspect Ratio for HDMI 1 output return: VO2ARDIx
where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User)

VO2ARSH? Query Hor. Shift for HDMI 2 output return: VO2ARSHsxx
where sxx = -50 to +50

VO2ARSV? Query Ver. Shift for HDMI 2 output return: VO2ARSVsxx
where sxx = -50 to +50

VO2CS? Query Color Space of HDMI 2 output return: VO2CSx
where x=0,1,2,3 (0=Auto, 1=YCbCr 4:2:2, 2=YCbCr 4:4:4, 3=RGB (PC) 0-255)

VTP? Query Test Patterns selection return: VTPx
where x=0,1,2,3,...10 (0=Off, 2=Multiburst (V), 3=Multiburst (H), 4=Cross Hatch 1, 5=B/W long checked 1, 6=B/W long checked 2, 7=B/W long checked 3, 8= B/W long checked 4, 9=3D checked, 10=Color Bars)

VASVBR? Query VFD bright return: VASVBRx
where x=0,1,2,3 (0=High 1=Mid, 2=Low, 3=Off)

VASIRC? Query IR Controls return: VASIRCxy
where x=0,1,2 (0=Front, 1=Rear 2=Both)

where y=0,1 (0=Normal 1=Invert)

VASZM?

Query Zoom selection return: VASZMx

where x=0 to 9 level

VASTR?

Query Trigger output return: VASTRx

where x=0,1,2, (0=Trigger 1 out, 1=Trigger 2 out, 2=Trigger 1 & 2 out)

VAS3D?

Query 3D COMB Filter selection return: VAS3Dx

where x=0,1 (0=Off, 1=On)

VASEDID?

Query Audio EDID Channel selection return: VASEDIDx

where x=0,1 (0=HDMI 1 output port, 1=HDMI 2 output port)