



crystalio[®]_{II}

Crystalio II RS232 Control

Date: FEB 14, 2007

Serial Port Setup

Speed = 38400
Data Bits = 8
Parity Bit = None
Stop Bit = 1

Command Syntax

Get value: Command <CR>
Set value: Command Parameter <CR>

- Command is any of the commands listed below.
- <CR> is carriage return.
- Parameter is the command parameter.

There are two types of command parameter,

1. Select one from multiple options: Command <Option1|Option2|Option3|...>
e.g. NoiseReducerVXP Low
2. Select a value from a range: Command [Number1,Number2]
e.g. Brightness 10

All commands and parameters are case-insensitive.
// is description of the command; not part of the command syntax

Examples

To set the current input as HDMI1:
InputSelect HDMI1<CR>

To get the current input:
InputSelect<CR>

The system will reply the current input as shown below:
HDMI1<CR>

Command List

1 3DCombFilter <OFF|ON>
2 AdvancedOption <Hide|Show>
3 AspectRatio
<4:3|16:9|43LB|169LB1.85|169LB2.35|169LB2.40|Full|1:1|NLS|Customize>
// "43LB" = 4:3 LetterBox
// "169LB1.85" = 16:9 LetterBox / 1.85:1
// "169LB2.35" = 16:9 LetterBox / 2.35:1
// "169LB2.40" = 16:9 LetterBox / 2.40:1
// "Full" = Full Screen
// "1:1" = 1:1 Pixel Mapping
// "NLS" = Natural NLS
4 AspectRatioCus [100,300]
5 AudioDelay [-150,200]
6 BackLight <OFF|Active|ON>
7 BGain [-99,99]
8 BlackEnhancer <OFF|Low|High>
9 BOffset [-99,99]
10 Brightness [-99,99]
11 ChromaCoring [0,100]
12 ChromaFilter <OFF|Notch 1|Notch 2|Notch 3>
13 ChromaGain [0,100]
14 Color [-99,99]
15 Contrast [-99,99]
16 CropBottom [0,180]
17 CropLeft [0,180]
18 CropRight [0,180]
19 CropTop [0,180]
20 CUECorrection <OFF|ON>
21 DCDI <Disable|Enable>
22 DeinterlaceFaroudja <Auto|Video|NTSC30|22Even|22Odd>
// "22Even" = 2:2 Even
// "22Odd" = 2:2 Odd
23 DeinterlaceVXP <Auto|Video|Film Bias>
24 DotCrawFilter <OFF|Adaptive|Low|Medium|High>
25 FilmBias <1|2|3|4|5|6|7|8|9>
// "1" = 1 video bias
// "9" = 9 film bias
26 FilmDetect <Normal|Small>
// "Normal" = Normal Window
// "Small" = Small Window
27 FullFactoryReset <Cancel|Proceed>
28 GammaType <OFF|Standard|LowIRE|HighIRE|SShape|User>
// "LowIRE" = Low IRE
// "HighIRE" = High IRE
// "SShape" = S-Shape
29 GammaTypeB <OFF|Standard|LowIRE|HighIRE|SShape|User>
// "LowIRE" = Low IRE
// "HighIRE" = High IRE
// "SShape" = S-Shape

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30 GammaTypeG <OFF|Standard|LowIRE|HighIRE|SShape|User>
    // "LowIRE" = Low IRE
    // "HighIRE" = High IRE
    // "SShape" = S-Shape
31 GammaTypeR <OFF|Standard|LowIRE|HighIRE|SShape|User>
    // "LowIRE" = Low IRE
    // "HighIRE" = High IRE
    // "SShape" = S-Shape
32 GammaValue [-50,30]
33 GammaValueB [-50,30]
34 GammaValueG [-50,30]
35 GammaValueR [-50,30]
36 GGain [-99,99]
37 GOffset [-99,99]
38 Hue [-360,360]
39 InputAudio
<Analog1|Analog2|Analog3|Digital1|Digital2|Digital3|Digital4|HDMI1|HDMI3|HDMI4|
MediaPlayer>
    // "Analog1" = Analog Audio 1
    // "Analog2" = Analog Audio 2
    // "Analog3" = Analog Audio 3
    // "Digital1" = Digital Audio 1
    // "Digital2" = Digital Audio 2
    // "Digital3" = Digital Audio 3
    // "Digital4" = Digital Audio 4
    // "MediaPlayer" = Media Player
40 InputBmSDI1 <8-Bit|10-Bit>
41 InputBmSDI2 <8-Bit|10-Bit>
42 InputCsCOMP1 <YPbPr|RGsB>
    // "RGsB" = RGsB (Sync on Green)
43 InputCsCOMP2 <RGBHV|YPbPr|RGBs|RGsB>
    // "RGBs" = RGBs (Composite Sync)
    // "RGsB" = RGsB (Sync on Green)
44 InputCsCOMP3 <YPbPr|RGBs>
    // "RGBs" = RGBs (Composite Sync)
45 InputCsCOMP4 <YPbPr|RGBs>
    // "RGBs" = RGBs (Composite Sync)
46 InputCsHDMI1 <Auto|RGB|422|444>
    // "Auto" = Auto Detect
    // "422" = YCbCr 4:2:2
    // "444" = YCbCr 4:4:4
47 InputCsHDMI2 <Auto|RGB|422|444>
    // "Auto" = Auto Detect
    // "422" = YCbCr 4:2:2
    // "444" = YCbCr 4:4:4
48 InputCsHDMI3 <Auto|RGB|422|444>
    // "Auto" = Auto Detect
    // "422" = YCbCr 4:2:2
    // "444" = YCbCr 4:4:4
49 InputCsHDMI4 <Auto|RGB|422|444>

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// "Auto" = Auto Detect
// "422" = YCbCr 4:2:2
// "444" = YCbCr 4:4:4
50 InputDynamicVP <OFF|ON>
51 InputHide
<HDMI1|HDMI2|HDMI3|HDMI4|SDI1|SDI2|Component1|Component2|Component3|
Component4|S-Video1|S-Video2|Video1|Video2|Video3|Video4|Media Player> <0|1>
52 InputPassthru
<HDMI1|HDMI2|HDMI3|HDMI4|SDI1|SDI2|Component1|Component2> <0|1>
53 InputSelect
<HDMI1|HDMI2|HDMI3|HDMI4|SDI1|SDI2|Component1|Component2|Component3|
Component4|S-Video1|S-Video2|Video1|Video2|Video3|Video4|MediaPlayer>
// "MediaPlayer" = Media Player
54 LEDLight <OFF|Active>
55 LumaCoring [0,100]
56 LumaGain [0,100]
57 NoiseReducerAnalog <OFF|Low|Medium|High|Super>
58 NoiseReducerFaroudja <OFF|Low|Medium|High|Super>
59 NoiseReducerVXP <OFF|Low|Medium|High|Super>
60 OSDAnimation <OFF|ON>
61 OSDSize <Auto|Small|Medium|Large>
62 OSDTimeout <Short|Long|Never>
63 OSDTransparency <50%|40%|30%|20%|10%|OFF>
// "50%" = 50 %
// "40%" = 40 %
// "30%" = 30 %
// "20%" = 20 %
// "10%" = 10 %
64 OutputBlackEnhancer <OFF|Low|High>
65 OutputBorderH [0,999]
66 OutputBorderV [0,999]
67 OutputCsAnalog <RGBHV|YPbPr|RGBs>
// "RGBs" = RGBs (Composite Sync)
68 OutputCsHDMI1 <RGB|422|444>
// "422" = YCbCr 4:2:2
// "444" = YCbCr 4:4:4
69 OutputCsHDMI2 <RGB|422|444>
// "422" = YCbCr 4:2:2
// "444" = YCbCr 4:4:4
70 OutputCsPtAnalog <SameAsInput|RGBHV|YPbPr|RGBs>
// "SameAsInput" = Same as input
// "RGBs" = RGBs (Composite Sync)
71 OutputCsPtHDMI1 <SameAsInput|RGB|422|444>
// "SameAsInput" = Same as input
// "422" = YCbCr 4:2:2
// "444" = YCbCr 4:4:4
72 OutputCsPtHDMI2 <SameAsInput|RGB|422|444>
// "SameAsInput" = Same as input
// "422" = YCbCr 4:2:2
// "444" = YCbCr 4:4:4

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73 OutputDynamicVP <OFF|ON>
74 OutputGammaType <OFF|Standard|LowIRE|HighIRE|SShape|User>
  // "LowIRE" = Low IRE
  // "HighIRE" = High IRE
  // "SShape" = S-Shape
75 OutputGammaTypeB <OFF|Standard|LowIRE|HighIRE|SShape|User>
  // "LowIRE" = Low IRE
  // "HighIRE" = High IRE
  // "SShape" = S-Shape
76 OutputGammaTypeG <OFF|Standard|LowIRE|HighIRE|SShape|User>
  // "LowIRE" = Low IRE
  // "HighIRE" = High IRE
  // "SShape" = S-Shape
77 OutputGammaTypeR <OFF|Standard|LowIRE|HighIRE|SShape|User>
  // "LowIRE" = Low IRE
  // "HighIRE" = High IRE
  // "SShape" = S-Shape
78 OutputGammaValue [-50,30]
79 OutputGammaValueB [-50,30]
80 OutputGammaValueG [-50,30]
81 OutputGammaValueR [-50,30]
82 OutputHSyncAnalog <Positive|Negative>
83 OutputHSyncHDMI1 <Positive|Negative>
84 OutputHSyncHDMI2 <Positive|Negative>
85 OutputHSyncPtAnalog <Positive|Negative|SameAsInput>
  // "SameAsInput" = Same as input
86 OutputHSyncPtHDMI1 <Positive|Negative|SameAsInput>
  // "SameAsInput" = Same as input
87 OutputHSyncPtHDMI2 <Positive|Negative|SameAsInput>
  // "SameAsInput" = Same as input
88 OutputLvHDMI1 <VideoLevel|PCLevel|HDMIStandard>
  // "VideoLevel" = Video Level (16-235)
  // "PCLevel" = PC Level (0-255)
  // "HDMIStandard" = HDMI Standard
89 OutputLvHDMI2 <VideoLevel|PCLevel|HDMIStandard>
  // "VideoLevel" = Video Level (16-235)
  // "PCLevel" = PC Level (0-255)
  // "HDMIStandard" = HDMI Standard
90 OutputLvPtHDMI1 <SameAsInput|VideoLevel|PCLevel|HDMIStandard>
  // "SameAsInput" = Same as input
  // "VideoLevel" = Video Level (16-235)
  // "PCLevel" = PC Level (0-255)
  // "HDMIStandard" = HDMI Standard
91 OutputLvPtHDMI2 <SameAsInput|VideoLevel|PCLevel|HDMIStandard>
  // "SameAsInput" = Same as input
  // "VideoLevel" = Video Level (16-235)
  // "PCLevel" = PC Level (0-255)
  // "HDMIStandard" = HDMI Standard
92 OutputRes
<480p|576p|720p|1080i|1080p|1080PsF|640x480|800x600|848x480|852x480|856x4

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80|960x540|1024x576|1024x768|1024x1024|1280x720|1280x768|1280x1024|1360x
768|1360x1024|1366x768|1368x768|1400x788|1400x1050|1440x864|1440x960|144
0x1152|1920x1080|1920x1200>
// "1024x1024" = 1024x1024 ALIS
93 OutputSelect <HDMI1|HDMI2|Analog>
94 OutputVSyncAnalog <Positive|Negative>
95 OutputVSyncHDMI1 <Positive|Negative>
96 OutputVSyncHDMI2 <Positive|Negative>
97 OutputVSyncPtAnalog <Positive|Negative|SameAsInput>
// "SameAsInput" = Same as input
98 OutputVSyncPtHDMI1 <Positive|Negative|SameAsInput>
// "SameAsInput" = Same as input
99 OutputVSyncPtHDMI2 <Positive|Negative|SameAsInput>
// "SameAsInput" = Same as input
100 Overscan [-90,90]
101 PBPMainFrame <OFF|ON>
102 PBPMainPicPosV [-50,50]
103 PBPMainPicTransparency [0,100]
104 PBPSpitter [10,90]
105 PBPSubFrame <OFF|ON>
106 PBPSubPicCropBottom [0,180]
107 PBPSubPicCropLeft [0,180]
108 PBPSubPicCropMode <Independent|Additional>
109 PBPSubPicCropRight [0,180]
110 PBPSubPicCropTop [0,180]
111 PBPSubPicOverscan [-90,90]
112 PBPSubPicOverscanMode <Independent|Additional>
113 PBPSubPicPosV [-50,50]
114 PBPSubPicTransparency [0,100]
115 PIPMainFrame <OFF|ON>
116 PIPMainPicPosH [-50,50]
117 PIPMainPicPosV [-50,50]
118 PIPMainPicSize [5,100]
119 PIPMainPicTransparency [0,100]
120 PIPPBPMode <OFF|PIP|PBP>
121 PIPPBPSubAudioOut <HDMI1|HDMI2|Optical|Coaxial|Analog>
// "Optical" = Digital Audio 1 (Optical)
// "Coaxial" = Digital Audio 2 (Coaxial)
// "Analog" = Analog Audio
122 PIPPBPSubSource
<HDMI1|HDMI2|HDMI3|HDMI4|SDI1|SDI2|Component1|Component2|Component3|
Component4|S-Video1|S-Video2|Video1|Video2|Video3|Video4|MediaPlayer>
// "MediaPlayer" = Media Player
123 PIPSubFrame <OFF|ON>
124 PIPSubPicCropBottom [0,180]
125 PIPSubPicCropLeft [0,180]
126 PIPSubPicCropMode <Independent|Additional>
127 PIPSubPicCropRight [0,180]
128 PIPSubPicCropTop [0,180]
129 PIPSubPicOverscan [-90,90]

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130 PIPSubPicOverscanMode <Independent|Additional>
131 PIPSubPicPosH [-90,90]
132 PIPSubPicPosV [-90,90]
133 PIPSubPicSize [5,100]
134 PIPSubPicTransparency [0,100]
135 PositionH [-99,99]
136 PositionV [-99,99]
137 Power <0|1>
138 RecallImageProfile <0|1|2|3|4|5|6|7|8|9>
139 RecallInputProfile <0|1|2|3|4|5|6|7|8|9>
140 RecallOutputProfile <0|1|2|3|4|5|6|7|8|9>
141 ResetDefault <Cancel|Proceed>
142 RGain [-99,99]
143 ROffset [-99,99]
144 SDIPolarity <Positive|Negative>
145 Sharpness [0,99]
146 SmoothScaling [-3,4]
147 StatusMessage <OFF|ON>
148 StoreImageProfile <0|1|2|3|4|5|6|7|8|9>
149 StoreInputProfile <0|1|2|3|4|5|6|7|8|9>
150 StoreOutputProfile <0|1|2|3|4|5|6|7|8|9>
151 VoltagePump <OFF|Low|High>
152 VoltagePumpPt <OFF|Low|High>
153 YCDelay [-20,20]