HD Leeza RS-232C Remote Control Operation

HD LEEZA - Video Processor – Model KD-HD1080P

You can remotely control HD Leeza functions through the rear – panel RS-232C connector, using a Hyper Terminal or other compatible interface. Set your RS-232C connection to 19200 baud, 8 data bits, no parity. When creating command strings, make sure to insert sufficient time delays before each command. Test all of your command strings to determine the proper time delay between commands.

Contact **tech@keydigital.com** for further details of the RS-232C discrete commands codes.

LIST OF RS-232C COMMAND CODES

h – Help
Displays the help screen

s – Status
Displays HD Leeza status

i – Input channel selection
Usage: i{0,…..9} <no enter>

r - Output resolution and refresh rate selection
Usage: r<space>{0,….19}<space>{0,…4}<enter>

The first number selects

0. 640x480p
1. 720x480p
2. 852x480p
3. 1024x512p
4. 800x600p
5. 1440x960p
6. 1920x540p
7. 852x576p
8. 1280x720p DVI
9. 1024x768p
10. 1280X768p
11. 1366X768p
12. 1280x960p
13. 1024x1024p
14. 1280x1024p
15. 1365x1024p

16. 1400x1050p
17. 1920x1080p A
18. 1920X1200p
19. 1440x788p
20. 1920x1080p B
21. 1280x720p HDMI

The second number selects

0. 48 Hz
1. 50 Hz
2. 60 Hz
3. 72 Hz (not applicable to 1920x1080p, 1920x1200p)
4. 75 Hz (not applicable to 1920x1080p, 1920x1200p)

a - Input aspect ratio selection

Usage: a {0…5}<no enter>

a0 IAR=1.33
a1 IAR= 1.66
a2 IAR= 1.78
a3 IAR= 1.85
a4 IAR= 2.00
a5 IAR= 2.35

o - Output aspect ratio selection

Usage: o {0…5}< no enter>

o0 OAR=1.33
o1 OAR= 1.66
o2 OAR= 1.78
o3 OAR= 1.85
o4 OIAR= 2.00
o5 OAR= 2.35

U-Overall saturation selection

Usage: u <space> {34 – 35} <enter>
Example1: U 57 sets overall saturation at 57

u - Blue saturation selection

Usage: u <space> {0…1} <space> {0…10} <enter>
Example 1: u 0 6 sets blue saturation at +6
Example 2: u 1 3 sets blue saturation at -3

e - *Red saturation selection*

Usage: e <space> {0…1} <space> {0…10} <enter>
Example1: e 0 10 sets red saturation at +10
Example 2: e 1 2 sets red saturation at -2

S - Separate sync for SDI
Usage: S <space> {1…2} <enter>
S 1 selects separate sync for SDI input
S 2 selects embedded sync for SDI input
In both cases the input switches to SDI

W - RGB/DVI display selection
Usage: W <space. {1…2} <Enter>
W1 is default. Sets output for DVI display
W2 sets output for RGB display

J - Enable OSD
Usage: J <no enter}

j - Disable OSD
Usage: j <no enter>

k - Toggle OSD
Usage: j <no enter>

B - VGA Bypass on
Usage: B <no enter>

v - VGA Bypass off
Usage: v <no enter>

b - Toggle VGA bypass
Usage: b <no enter>

p - Ext 12 V power on
Usage: P <no enter>

[- Ext 12 V power off
Usage: v <no enter>

p - Ext 12 V power toggle
Usage: p <no enter>

 # - Toggle daytime/ nighttime setting
Usage: # < no enter>

R - Set R, G, B brightness
Usage: R <space> {R, G, B, Y} <space> {35- 65} <enter>
The first character selects

1. **R -** Red

2. **G -** Green
3. **B -** Blue
4. **Y -** Every R, G, B

Example1: R R 40 sets red brightness at 40
Example2: R Y 55 sets red, green, blue, brightness at 55

c - Set R, G, B Contrast
Usage: c <space> { R, G, B, Y} <space> { 34-65}< enter>
The first character selects

1. **R -** Red
2. **G -** Green
3. **B -** Blue
4. **Y -** Every R, G, B

Example1: c G 40 sets green contrast at 60
Example2: c Y 47 sets red, green, blue contrast at 47

g – Increment overall KD-PE setting
Usage: g<no enter>

K – Increment overall KD-PE setting
Usage: K<space>{R,G,B,Y}<space>{0~10}<enter>
The first character selects

1. **R -** Red
2. **G -** Green
3. **B -** Blue
4. **Y -** Every R, G, B

Z – Select zoom state
Usage: Z<space>{0~4}<enter>

Z 0<enter> No zoom
Z 1<enter> Linear zoom
Z 2<enter> Horizontal zoom
Z 3<enter> Vertical zoom
Z 4<enter> DSX zoom

z – Cycle through zoom states
Usage: z<no enter>

X – List all individual picture adjust settings
Usage: X<no enter>

x – Memorize picture adjust values for selected input
Usage: x<no enter>

t – Enable test pattern
Usage: t{0…6}<no enter>

t0 – cross
t1 – cross hatch
t2 – gray scale
t3 – color bar
t4 – horizontal ramp
t5 – wide horizontal ramp
t6 – wide vertical ramp

T – Disable test pattern
Usage: T<no enter>

] – PIP Operation
Usage:]<space>i<space>{0…9}<enter>

Usage:]<space>s<space>{0,1,2}<enter>

Usage:]<space>o<no enter> [turn pip on & off]

Usage:]<space>n<no enter> [turn pip on]

Usage:]<space>f<no enter> [turn pip off]

Usage:]<space>w<no enter> [main & pip input swap]

Usage:]<space>t<no enter> [shows what is current PIP input, PIP on/off status]