



LEYEii User Manual

SHENZHEN PORTKEYS ELECTRONIC
TECHNOLOGY CO.,LTD



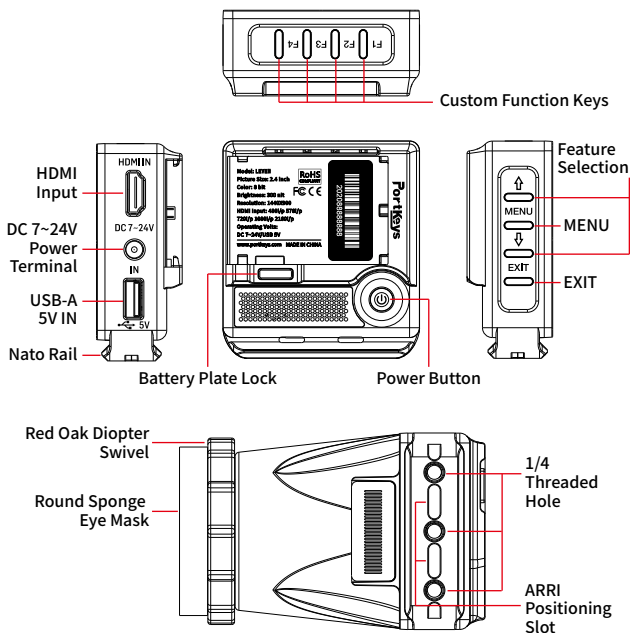
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Guangdong China

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Customer Service: services@portkeys.com

Website: www.portkeys.com

Product Appearance Size



⚠ Operating temperature range: 0 °C ~ 40 °C

Standard Accessories

LEYEii X1

DC to D-TAP Power Cord X1

Round Sponge

Eye Mask X1

HDMI Adapters X1

Parameter

Size:	2.4"
Dimension:	108.8x78x70mm
Viewing Angle:	160°H/160°V
Brightness:	300nit
Resolution:	1440x900
Contrast Ratio:	1000:1
Weight:	232.3g
Color:	8bit
Material:	Aluminum Alloy+ABS Engineering Plastics+Red Oak
Video Signal Input:	4K HDMI, HDMI
Operating Power:	DC 7~24V/USB 5V
USB-A	Upgrade Firmware /Load LUT
Menu Language:	简体中文/English

Supported input resolution and frame rate HDMI signal

4096×2160p@24Hz

3840×2160p@23.97Hz,24Hz,25Hz,29.97Hz,30Hz

1920×1080p@23.97Hz,24Hz,25Hz,29.97Hz,30Hz,50Hz,59.94Hz,60Hz

1920×1080psf@23.97Hz,24Hz,25Hz,29.97Hz,30Hz

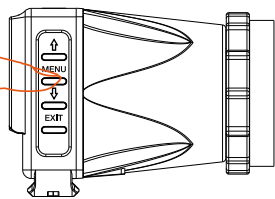
1920×1080i@50Hz,59.94Hz,60Hz

1280×720p@50Hz,59.94Hz,60Hz

720×576p&720×576i@50Hz

720×480p&720×480i@50Hz,59.94Hz,60Hz

[MAIN]



MAIN

- Guides >
- Video Config >
- System Config >
- LUT Config >
- Function Setup >
- Firmware >
- Exit ↵

Guides

Guides ◀ Off/80%/90%/1:1/16:9/9:16/15:9/4:3/1.5:1/1.85:1/2:1/2.35:1/2.39:1/Custom ▶

- H(Custom) ◀ 1%~100% ▶
- V(Custom) ◀ 1%~100% ▶
- Guide Masks ◀ On/Off ▶
- Crosshair ◀ On/Off ▶
- Grids ◀ 1/2/3/4/5/6/7/8/9/10/Off ▶
- Back ↵

Function Select “” can be adjusted ←→ Adjust function parameters (Please be referred with the first page)

Video Config

- Brightness ◀ 0~100 ▶
- Contrast ◀ 0~100 ▶
- Chroma ◀ 0~100 ▶
- Sharpness ◀ 0/10/20/30/40/50/60/70/80/90/100 ▶
- Tint ◀ 0~100 ▶
- Color Temperature ◀ 5600K/6500K/7500K/9300K/Manual ▶
- Backlight ◀ 0~100 ▶
- Anamorphic ◀ 1X/1.33X/1.42X/1.5X/1.66X/1.85X/2X/2.35X/User ▶
- Back ↵

Color Temperature Manual

- Red ◀ 0~255 ▶
- Green ◀ 0~255 ▶
- Blue ◀ 0~255 ▶
- Back ↵

Color Temperature adjusts to Manual Setting(Confirm by MENU)

Anamorphic Setting

- Aspect ◀ 1X/1.33X/1.42X/1.5X/1.66X/1.85X/2X/2.35X/User ▶
- User ◀ 1.00X~3.00X ▶
- Back ↵

Aspect adjusts to User (Confirm by MENU)

System Config

- OSD-Language ◀ 简体中文/English ▶
- OSD-Duration ◀ 5Sec/10Sec/15Sec/20Sec/25Sec/30Sec/Off ▶
- OSD-Transparency ◀ Low/Middle/High/Off ▶
- Menu Setup ◀ User1/User2/User3/User4/User5 ▶
- System Reset Are you sure? Press MENU, Then Yes/No
- Waveform Source ◀ Load LUT/Original ▶
- Battery Voltage Dis.. ◀ On/Off ▶
- Back ↵

LUT Config

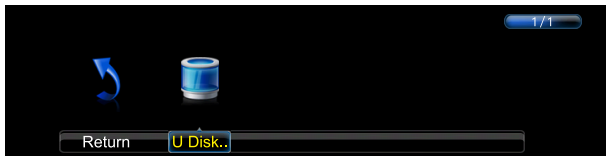
LUT ◀ On(Null)/Off ▶

- Stored from USB >
- USB Looks >
- Back ↵

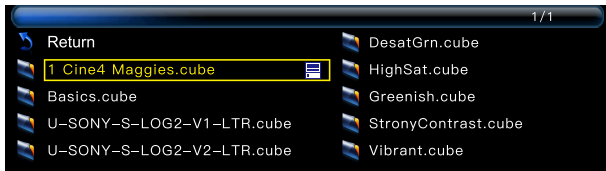
USB Looks

USB 2.0

↓ (Press menu key and middle key of direction key)



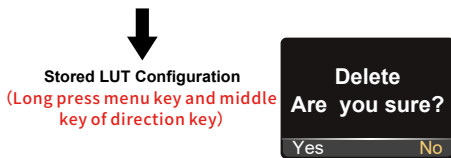
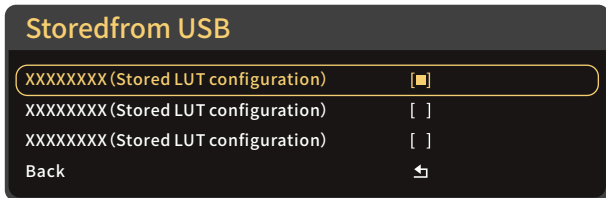
↓ (Press menu key and middle key of direction key)



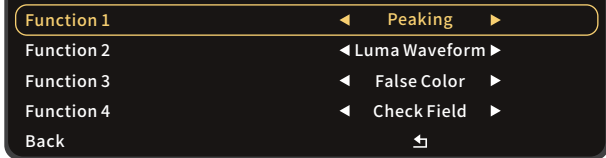
Apply 3D LUT mode and it will be* saved automatically to "user storage" (Click MENU as Confirm)

*LUT file could be stored repeatedly, to delete, please enter the user storage interface and delete it by the above steps. LUT file format Cube, support 16/17/32/33/64/65 precision (LUT_3D_SIZE).

LUT File Deletion (Needs to be performed in the state of access signal)

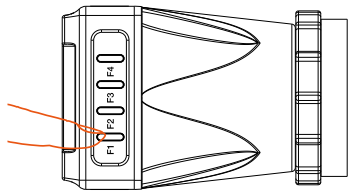


Function Setup

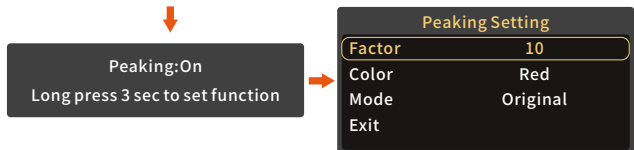


- Function 1
 - *Check Field*
 - *H/V Delay*
 - *Guides*
 - *Cross Hair
 - *Grids*
 - *Peaking
 - *False Color
 - *Zebra
 - *UnderScan
 - *Histogram
 - *Luma Waveform
- *Zooming
- *Audio Meters
- LUT
- Brightness*
- Contrast*
- Chroma*
- Sharpness*
- Tint*
- Anamorphic*
- Backlight*

▲Function 2, function 3 (The function setting is same with function 1)



*Attention: Please set the functions to the customized short key F1-F4. Long press 3 seconds (F1-F4) will be showing the setting menu of this function.
 *Continuously click shortcut function key, which can be switched.
 *The parameters can be adjusted in the ⬆ ⬇ button of the function.



Firmware

Version Information	Firmware Ver LEYE-V1.01.12
Update (USB)	>
Back	↶



(Press menu key and middle key of direction key)
(Please check page 19-22 for firmware update)

Update(USB)

Are you sure?

Yes No

Grids Setting

Grids	◀ Off/1/2/3/4/5/6/7/8/9/10 ▶
Color	◀ White/Red/Green/Blue/Black ▶
Exit	↶

Peaking Setting

Factor	◀ 1/2/3/4/5/6/7/8/9/10 ▶
Color	◀ Red/Green/Blue/White ▶
Mode	◀ Original/Black and white/Grayscale(Low)/Grayscale(Middle)/Grayscale(High)/Black ▶
Exit	↶

Guides Setting

Guides	◀ 关/80%/90%/1:1/16:9/9:16/15:9/4:3/1.5:1/1.85:1/2:1/2.35:1/2.39:1/Custom ▶
H (Custom)	◀ 1%~100% ▶
V (Custom)	◀ 1%~100% ▶
Color	◀ White/Red/Green/Blue/Black ▶
Thickness	◀ 0~50 ▶
Guide Masks	◀ On/Off ▶
Exit	↶

False Color Setting

Under Warn.	◀ -10~15 ▶
Over Warn.	◀ 85~110 ▶
Tooltip	◀ On/Off ▶
Exit	↶

CrossHair Setting

Crosshair	◀ On/Off ▶
Color	◀ White/Red/Green/Blue/Black ▶
X Offset	◀ 0%~100% ▶
Y Offset	◀ 0%~100% ▶
Exit	↶

Zebra Setting

Under Warn.	◀ -10~15 ▶
Over Warn.	◀ 85~110 ▶
Tooltip	◀ On/Off ▶
Exit	↶

UnderScan Setting

Factor ◀ 50~100 ▶

Exit ↩

Histogram Setting

Position ◀ R+B/L+B/L+T/R+T ▶

Size ◀ Small/Large ▶

Transparent ◀ On/Off ▶

Exit ↩

Waveform Setting

Waveform ◀ On/Off ▶

Blending ◀ On/Off ▶

Position ◀ R+B/L+B/L+T/R+T ▶

Exit ↩

Audio Meters

Audio Meters ◀ On/Off ▶

Position ◀ Top/Division/Bottom ▶

Blending ◀ On/Off ▶

Exit ↩

Zooming Setting

Position ◀ User/Middle/L+T/R+T/R+B/L+B ▶

X Offset ◀ -480 ~ +480 ▶

Y Offset ◀ -270 ~ +270 ▶

Ratio ◀ User/X1.5/X2/X2.5/X3 ▶

H: ◀ X1.01 ~ X3.00 ▶

V: ◀ X1.01 ~ X3.00 ▶

Exit ↩

⚠ The resolution of the input signal is different and the offset value changes.

Universal Software Upgrade Tutorial

Attention:

- 1、 Place the new firmware in the root directory of the U disk;
- 2、 Keep the device powering on during updating;
- 3、 Supports FAT, FAT32, ExFAT and NTFS U disk. (FAT32 is highly recommended);
- 4、 Use the U disk with the storage below 4G;
- 5、 If the firmware isn't updated successfully, please follow from step ③ and update again;

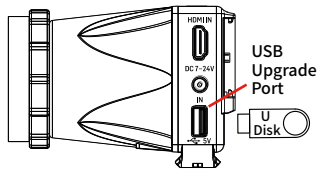
⚠ Update method takes LEYEii as an example, for other models, please download the corresponding model upgrade package in our official website and follow the steps below.

1

Download the firmware zip, unzip it, and then send the upgrade file(LEYE.bin)(LEYE_MIU.bin)to the root directory of the U disk.

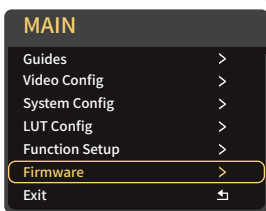
2

Supply power to the monitor,insert the U disk with upgrade file into the USB interface of the body.



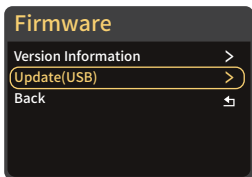
3

Boot up the monitor,click MENU to open main menu, select“Firmware”and click into firmware interface.



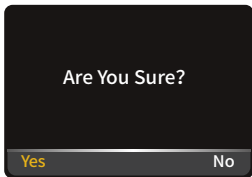
4

Select Firmware Upgrade(USB)



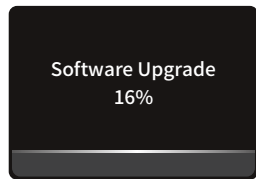
5

Click and confirm upgrade.



6

Upgrading is in progress. After that,the monitor will restart in black screen automatically (Do not power off during this process).



7

After completing the upgrade,boot up the monitor and click Main Menu → Firmware → Virsion Information to confirm whether the software is successfully upgraded.

