T5

5" Touch On-Camera Monitor
with Full HD Resolution, HDMI 2.0

User Guide

LILLIPUT®

Important Safety Instructions:

● Please read User Guide before using this product.

● Please keep User Guide for future reference.

● Please read the precaution to prevent possible danger and loss of property.

Precaution:

● Please do not place the display screen towards the ground.

● Please avoid heavy impact or drop onto the ground.

● Please do not use chemical solutions to clean this product. Please wipe with a clean soft cloth to maintain the brightness of the surface.

● Please do not block any vent hole.

● Please follow the instructions and trouble-shootings to adjust the product. Other improper adjustment may result in damage. Any further adjustment must be performed or conducted by a qualified technician.

● Please unplug the power and remove the battery if long-term no-use, or thunder weather.

Contents

1. Main Features

- Support HDMI 2.0 4K 60 HZ input

- Support Touch Function

- Peaking (Red/Green/Blue/White)

- False Color(Off/Default/Spectrum/ARRI/RED)

- Check Field(Off/Red/Green/Blue/Mono)

- LUT : Camera LUT/ Def LUT/ User LUT

- Scan: Aspect/Zoom/Pixel to Pixel

- Aspect(16:9/1.85:1/2.35:1/4:3/3:2/1.33X/1.5X/2X/2XMAG)

- H/V Delay Support (Off/H/V/ H/V)

- Image Flip Support(Off/H/V/ H/V)

- HDR Support(Off/ST2084 300/ST 2084 1000/ST 2084 10000/HLG)

- Audio Out Support(CH1&CH2/CH3&CH4/CH5&CH6/CH7&CH8)

- Aspect Mark(Off/16:9/1.85:1/2.35:1/4:3/3:2/Grid)

- Safety Mark(Off/95%/93%/90%/88%/85%/80%)

- Mark Color: Black/Red/Green/Blue/White

- Marker Mat.(0ff/1/2/3/4/5/6/7)

- HDMI EDID：4K/2K

- Color Bar support range: Off/100%/75%

- User-definable button FN function can be set, default :Peaking

- Color Temperature: 6500K, 7500K, 9300K, User.

2. Production Description

2.1 Back Housing
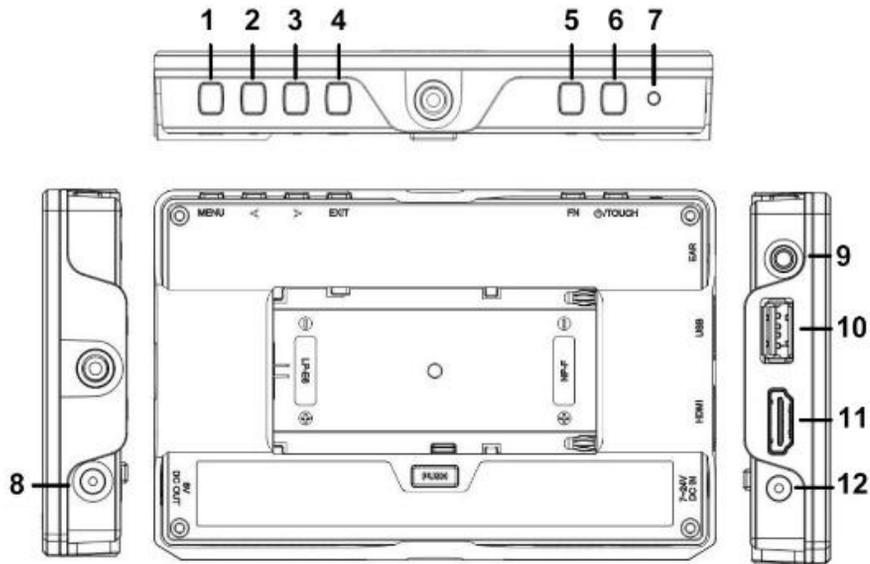
1) Menu button: when use ◄ ► button, it can be used as the option to determine key.

2) "◄ "Left button

When no menu, once press " ◄ " button, it will display shortcut menu: Brightness, Contrast, Color, Tint, Backlight, Volume. After selecting one of the options, press " ◄ " button to decrease the value.

3) " ► "Right button

When no menu, once press " ► " button, it will display shortcut menu: Brightness, Contrast, Color, Tint, Backlight, Volume. After selecting one of the options, press " ► " button to increase the value.

4) Exit Button

5) FN Button: default as peaking

6) ⏻/TOUCH : Power Button

Short press: power button
Long press: touch switch

7) Power Indicator: power on is green

8) Power output: DC 8V/1A

9) Earphone Jack

10)   USB: for LUT load and update

11）HDMI 2.0 Input

12）DC 7-24V Input

2.2 DV Battery Mount Plate
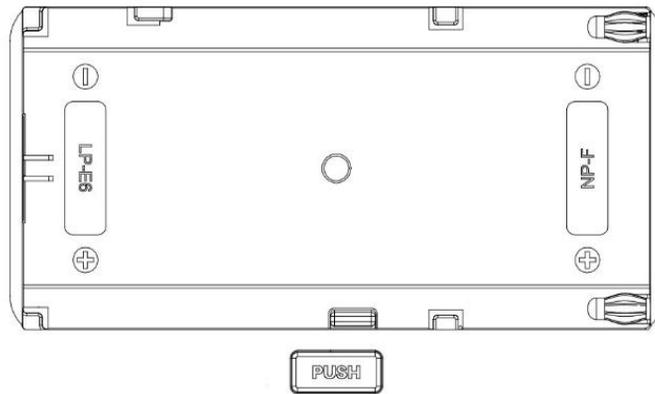

- First put battery into the plate,

   Please slide LP-E6 battery to the left,

   Please slide F970 battery to the right.

- PUSH Botton:

   Press the "PUSH "button to remove the battery.

- Model NP-F series for battery of SONY DV:

   DCR-TRV series, DCR-TRV E series, VX2100E PD P series, GV-A700,

   GV-D800 FD/CCD-SC/TR3/FX1E/HVR-AIC, HDR-FX1000E, HVR-Z1C,

   HVR-V1C, FX7EF330, etc.

   Model LP-E6 for battery of Canon DSLR:

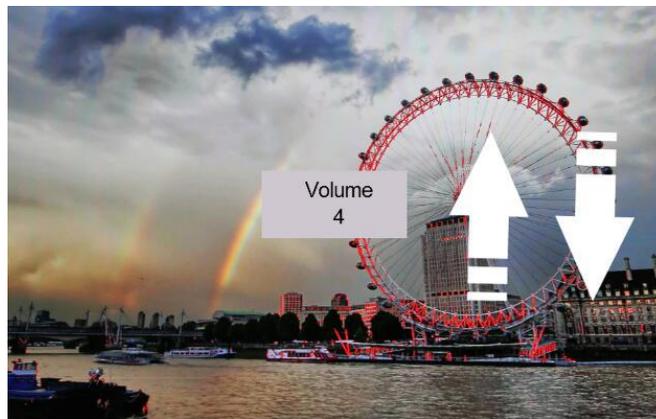   5D MarkII/5DMarkIII/EOS7D/EOS60D, etc.

3. Menu Setting

Before setting the functions, please make sure the device is connected correctly.

3.1 Shortcut Touch Gesture
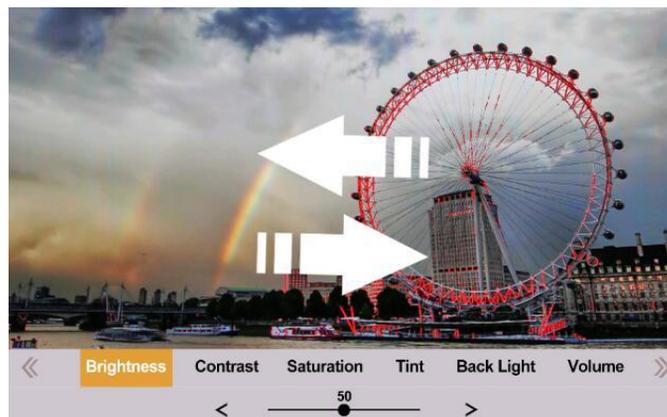
- Left slide up and down: back light control.
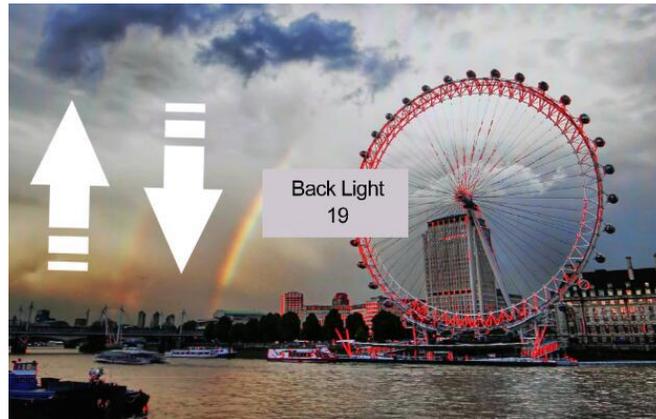
- Right slide up and down: volume control.

- Slide left and right: activate the shortcut menu

● Two-finger zoom: no menu display, arbitrary zoom-in and zoom-out of image, and

support moving image when zooming-in.

● Center slide up and down: activate or hide the menu

● **Power Button:**
Short press: power button
Long press: touch switch
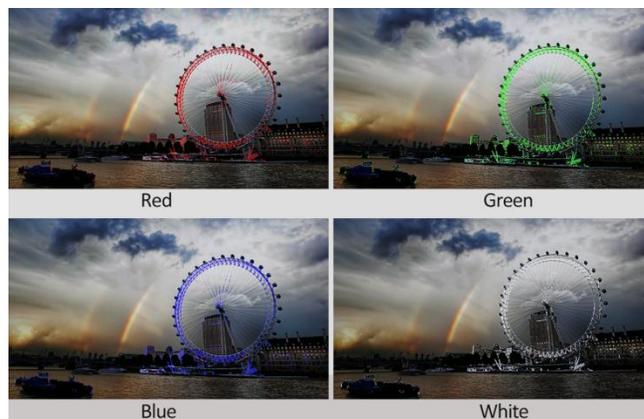
3.2 Menu Operation

3.2.1 Peaking Function

-Peaking

Use this item to activate or deactivate the peaking function.

- Peaking Color

Select one of the peaking colors: [Red], [Green], [Blue], [White], [Black].

- Peaking Level

Use this item to adjust the level of peaking from 1-100. The higher peaking level is, the more obvious peaking effect is.

-False Color
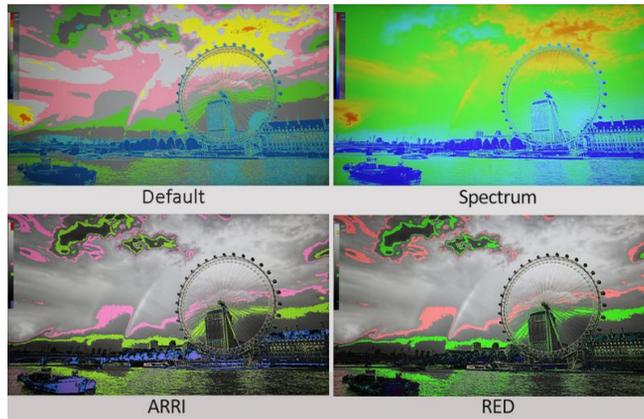
Use this item to activate or deactivate the false color function.

When activated, [Default], [Spectrum], [ARRI], [RED] are for optional.

- False Color Table

Use this item to activate or deactivate the false color table. The range of the false

color table is between 0-100 IRE.

Default Spectrum

ARRI RED

- Exposure

Use this item to activate or deactivate the exposure function.

Note! When activated, exposure works if the input signal exceeds the designated exposure level.

- Exposure Level

Use this item to adjust the level of exposure among 1-100.

Exposure Level 100
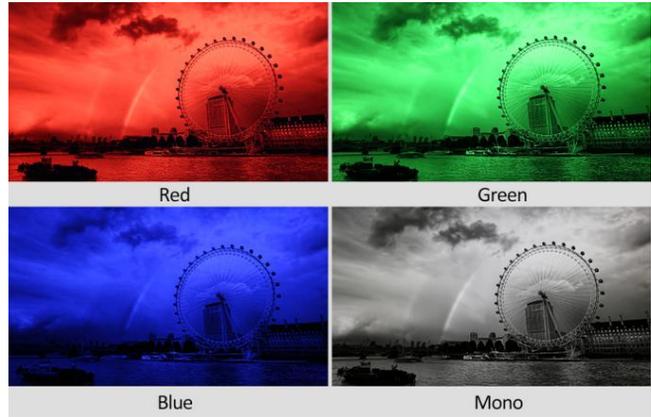
Exposure Level 1
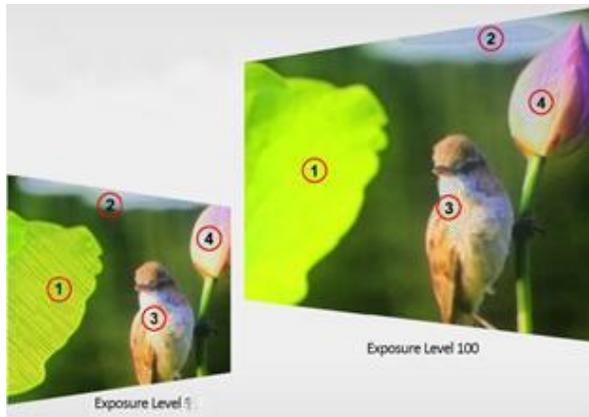
- Histogram

Use this item to activate or deactivate histogram.

- Check Field

Select one of check field modes: [Off], [Red], [Green], [Blue], [White].

| Red | Green |
| Blue | Mono |

3.2.2 Color Adjustment

- **Brightness**

Control the degree of brightness between 0-100, default value: 50.

- **Contrast**

Control contrast ratio between 0-100, default value: 50.

- **Saturation**

Adjust the color intensity between 0-100, default value: 50.

- **Tint**

Adjust tint between 0-100, default value: 50.

- **Sharpness**

Control sharpness of the image between 0-100, default value: 0.

- **Color Temp.**

Use this item to choose one of the color temperature presets: [6500K], [7500K], [9300K], [User], default：[6500K].

Note! Only under [User] mode, R/G/B Gain and Offset can be adjusted.

- R/G/B Gain

Adjust the R/G/B Gain of the current Color Temperature from 0 to 255. Default value: 128.

- R/G/B Offset

Adjust the R/G/B Offset of the current Color Temperature from 0 to 511. Default value: 256.

3.2.3 LUT

- Camera LUT

Adjust the camera LUT model among [Off], [Def. LUT], [User LUT].

- Def LUT

Adjust the def LUT model among SLog2ToLC-709, SLog2ToLC-709TA,

SLog2ToSLog2-709, SLog2ToCine+709, SLog3ToLC-709, SLog3ToLC-709TA,

SLog3ToSLog2-709, SLog3ToCine+709.

- User LUT

- [User Log mode]: Use this item to choose one of the User Log modes (1-6). Please install the User Log as following steps:

- The User Log must be named with .cube in the suffix.

Note! The device only supports the format of User Log: 17x17x17 / 33x33x33; Data order is BGR; Table order is BGR. If the format does not meet the requirement, please use tool "Lut Tool.exe" to transform it.

  -Naming the User Log as User1-User6.cube, then copy the user Log into USB flash

disk. Insert the USB flash disk to the device, the User Log is saved to the device automatically at the first time. the power indicator will flash when User Log is saved, stop flashing when saved completely.

Default: User1

If the User Log is not loaded for the first time, the device will pop up a prompt message, please choose whether to update or not.

Note! Naming the User Log as User1-User6, after saved the LUT table through the USB flash disk, please power off, unplug it and restart the device.
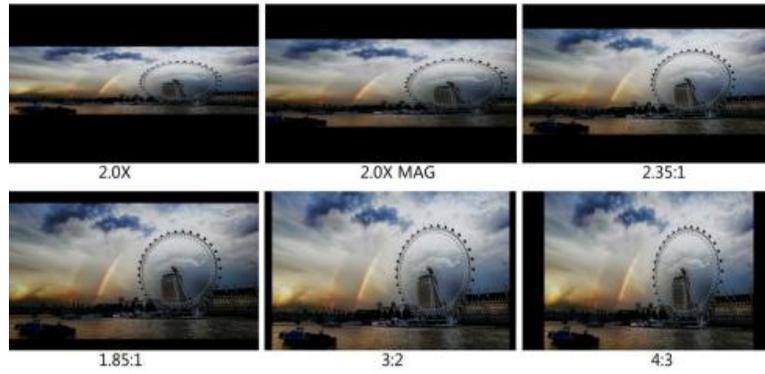
3.2.4 Display

- Scan

Adjust the scan mode among [Aspect], [Pixel To Pixel], [Zoom].

Adjust the scan zoom mode among [User], [10%~90%].

- Aspect

Select the aspect of the image among [16:9], [1.85:1], [2.35:1], [4:3], [3:2], [1.33X], [1.5X], [2.0X], [2.0XMAG].

- Overscan

Use this item to activate or deactivate overscan.

- H/V Delay

Select one of the H/V modes: [OFF], [H], [V], [H/V]. When H/V Delay on, the blanking

portions of the input signal will be displayed horizontally and vertically.

- Freeze

Choose [On] to capture one frame of current image on the screen, and choose [Off]

to close freeze function.

- Image Flip

Allow the displayed image to be flipped horizontally or vertically by selecting one of

flip mode among [H], [V], [H/V].

- HDR

Use this item to choose one of the HDR presets: [Off], [ST 2084 300], [ST 2084 1000],

[ST 2084 10000], [HLG].
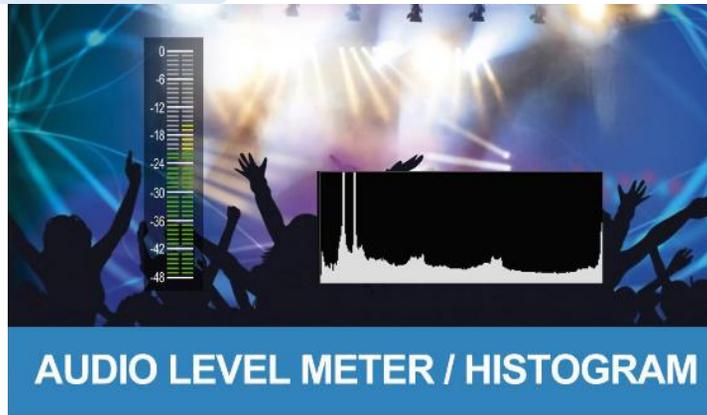
3.2.5 Audio

- Volume

Adjust the volume among 0-100.

- Level Meter

Select whether to activate or deactivate level meter.

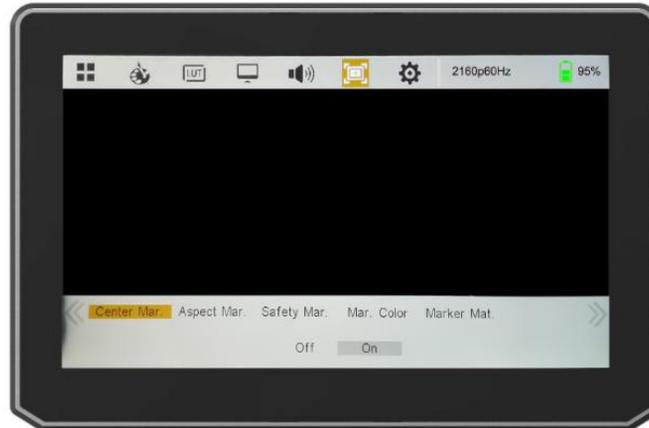**Note!** Level meter default: [on].

- Audio Channel

Select one of the audio channels among [CH1&CH2], [CH3&CH4], [CH5&CH6], [CH7&CH8].

Note! Audio channel default: [CH1&CH2]

3.2.6 Marker

- Center Marker

Select [On] to display the center marker "+" and [Off] not to display it.

- Aspect Marker

Select the aspect ratio of the marker: [Off], [16:9], [1.85:1], [2.35:1], [4:3], [3:2], [Grid].
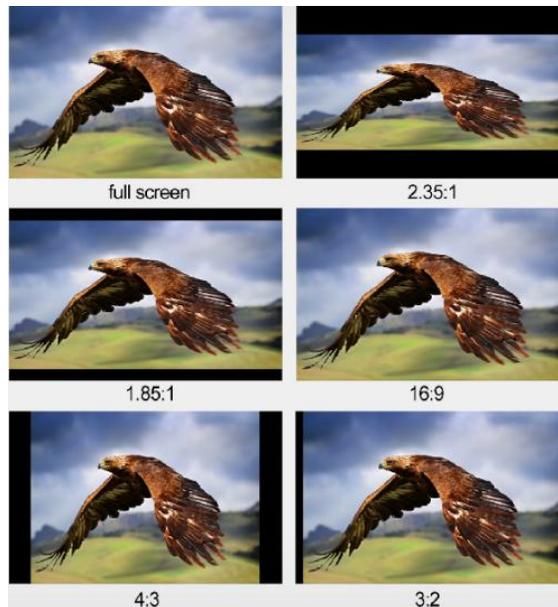
- Safety Marker

Select the size of the safety markers: [95%], [93%], [90%], [88%], [85%], [80%].

Note! When [Aspect Marker] is selected as [Grid], the safety marker cannot be displayed.

- Marker Color

Select the color of marker displayed on the screen: [Black], [Red], [Green], [Blue],

[White].

- Aspect Mat.

Select whether to activate or deactivate aspect mat.

Adjust the value of transparency, The higher transparent value is, the lower transparent effect is. When activated, it can be selected from [1-7], (Step value is 1).

-Thickness

Adjust the thickness mode among [1-15], (step value is 1). Default value: 6.

> **Note!**
>
> The width of the center mark, aspect mark, and safety mark line can be adjusted. Adjust the thickness mode among [1-15], (step value is 1).

3.2.7 Setting

- Language

Option: [中文], [English].

- OSD Timer

Option: [10s], [20s], [30s], default: [10s].

- OSD Transparency

Option:[Off], [25%], [50%], default: [off].

- HDMI EDID

Select HDMI EDID between 4K and 2K, default: 4K.

 This function enables the PC or other devices to better identify the attributes of the monitor, which is beneficial to achieve the best display effect of the monitor.

- Back Light

Adjust the level of the back light from 0 to 100, default value: 100

- Color Bar

Option: [Off], [100%], [75%], default: [off].

- F Config

F1 optional function: peaking, false color, exposure, histogram, Level meter, mute, Center marker, aspect marker, safety marker, overscan, scan, aspect, Gamma, camera LUT, check field, H/V delay, freeze, color bar, default: peaking.

- System

Select the Reset option [On], [Off].

4. Product Parameters

Panel Size	5"
Resolution	1920*1080
Luminance of white	400 cd/m²
Contrast Ratio	1000:1
Viewing Angle	170°/ 170° (H/V)
Input Connector	HDMI2.0,USB2.0
Output Connector	DC 8V/1A
Power Requirements	DC 7-24V
Power Consumption	≤6W
Operating Temperature	0~50°C
Storage Temperature	-30℃ - 70℃
Dimensions (LWD)	132*86*18.5mm
Weight	185g

5. Accessories
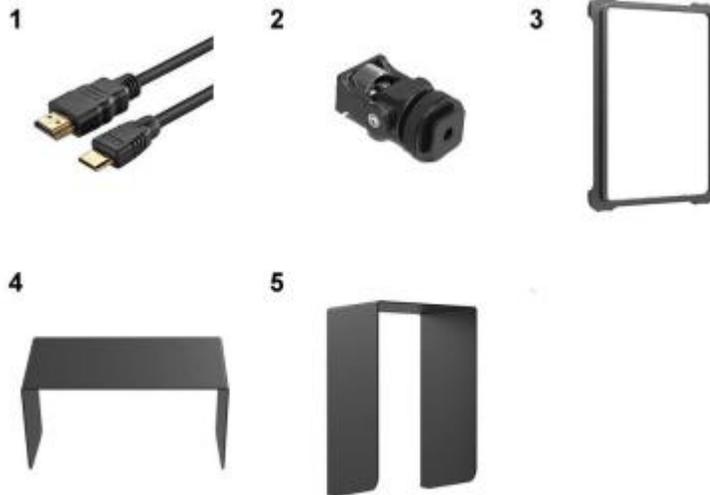
Standard:

1) HDMI A/C cable	1pc
2) Mini Hot shoe mount	1pc
3) Sun shade frame	1 pc
4.5) Folding sun shade cover	2pc

6. Trouble Shooting

1) Only black-and-white display:

   Check whether the color saturation is properly setup or not.

2) Power on but no pictures:

   Check whether the cable of HDMI is correctly connected or not. Whether the signal source has output. Wrong or abnormal colors:

   Check whether the cables are correctly and properly connected or not. Broken or loose pins of the cables may cause a bad connection.

3) When on the picture shows size error:

   Press "MENU → FUNCTION → ASPECT →OVERSCAN" to zoom in/out pictures automatically when receiving HDMI signals.

4) Other problems:

   Please press "MENU" button and choose "SYSTEM→ Reset →On".

7.Warranty

7.1. Repair Procedure and Terms

7.1.1. Those products bought from Lilliput, we promise to provide one (1) year free repair service. Lilliput warrants its products against defects (excluding physical damage to the product) in materials and workmanship under normal use for a period of one (1) year from the date of delivery. Beyond the warranty period such services shall be charged at the then prevailing rates in Lilliput's price list.

7.1.2. It is possible that you may need to return products to Lilliput for servicing or troubleshooting. Before you send any product to Lilliput, you must e-mail us, telephone us or fax us and wait for a Return Material Authorization (RMA) form to be sent to you. Usually within two business days, your RMA request will be reviewed and we will contact you with the results. If approved, a RMA number will be e-mailed to you. Customers should deliver the defective products to our appointed service center within 15 days from when you receive the RMA number. For our best receipt, the defective products should be properly packed. Letting us know the packaging details, as well as sender and delivery date.
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Note! Returned products **MUST** be subject to the following operations, otherwise, Lilliput has the right to reject.
- RMA number must be clearly written on the shipping boxes.
- Returned products must be delivered within 15 days from when we send out the RMA number.
- Returned items must be in accordance with the RMA form.
- Malfunction or damage caused by improper packaging during transportation.

7.1.3. Transportation cost which includes shipping charges, duties, insurance, taxes and any other charges for returned products to our repair center is the responsibility of the purchaser. After our verification that the returned product matches our warranty terms and conditions, Lilliput will repair the defective product free of charge, and also bear the resend transportation charge. If the delivered product is confirmed out of warranty, our customer service center will inform the customers. Then, you may decide to pay for the repair items or not.

7.2. Free Repair Exclusions

- Warranty labels of products or accessories are removed or alteration.
- There is no Lilliput RMA number of the returned products.
- Operated and maintained in any manner inconsistent with the manual terms and conditions.
- Malfunction or damage resulting from repairs or alterations made by parties other than Lilliput or an authorized distributor.
- Malfunction or damage caused by forces of nature (for example, earthquake, fire, flood, lighting strike, War, etc).
- Any damages caused by accidents, any unreasonable use or neglect, deterioration, mishandling or failure of maintenance (for example, damages caused in transit).
- Beyond one (1) year warranty period.