



Boland Communications

Model **BL7SDIx2**



User Manual

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IMPORTANT SAFETY INSTRUCTIONS:

- ~~☞~~ Please read User Manual before using this product.
- ~~☞~~ Please keep User Manual for future reference.
- ~~☞~~ Please read the cautions to prevent possible danger and loss of property.

FEATURES:

- ~~☞~~ 178° Wide viewing angles.
- ~~☞~~ High resolution: 1280×800.
- ~~☞~~ High brightness: 400cd/? .
- ~~☞~~ High contrast: 800:1.
- ~~☞~~ Faster response time.
- ~~☞~~ TALLY interface with indicating light.
- ~~☞~~ Firm & thin design.




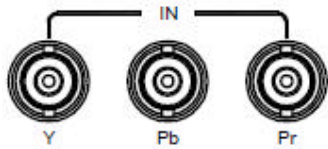
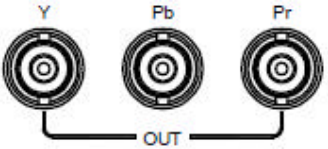


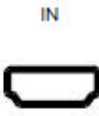



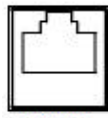
CAUTIONS:

1. Please do not place the display screen towards the ground.
2. Please avoid heavy impact or drop onto the ground.
3. Please do NOT use chemical solutions to clean this product. Please wipe with a clean soft cloth to maintain the brightness of the surface.
4. Please do not block any vent hole.
5. 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.
6. Please unplug the power if long-term no-use, or thunder weather.

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1.  TALLY interface and interface definition.
2.  Mini USB input (Only used for program upgrades, do NOT use if non-professionals).
3.  12V DC power input.
4.  YPbPr input.
5.  YPbPr output.
6.  Video input.
7.  Video output.
8.  HDMI input.
9.  HDMI output.
10.  SDI input.
11.  SDI output.
12.  The LAN port. (Connected to PC network interface for function adjustment.)

2. MENU SETTING

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

2-1. Shortcut buttons:

2-1-1. the image menu

Power on, press “? / ? ” buttons on the device, brightness display bar will appear at the bottom of the screen, then press the MENU button to switch among brightness, sharpness, contrast, saturation, tint, MENU and Exit. User can adjust the parameters of the selected item with “? / ? ” buttons to meet their needs.

2-1-2. FN user-definable function button

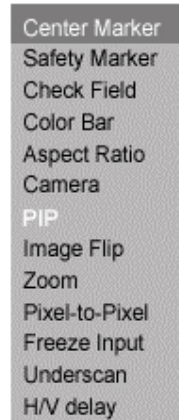
Press FN button to pop up the default options, Use “? / ? ” buttons to adjust the value of selected item.

Long press FN button for 3-5 seconds to pop up shortcut menu directly. As shown in right Figure (default menu is displayed in white font).

Use “? / ? ” buttons to select the desired item.

Finally, use the “ENTER” button to confirm the selected item as default.

Functions of FN button can be customized: Center Marker, Safety Marker, Check Field, Color Bar, Aspect Ratio, Camera, PIP, Image Flip, Zoom, Pixel-to-Pixel, Freeze Input, Underscan, H/V delay.



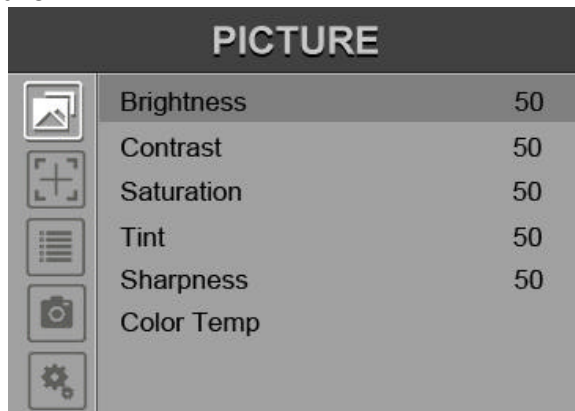
2-2. MENU Operation

Press “**MENU**” button on the device after power on. The menu used for setting function will display on the screen.

Press ? /? buttons to select the sub-menu; then press **ENTER** to confirm it; after that, press **MENU** to return to main menu.

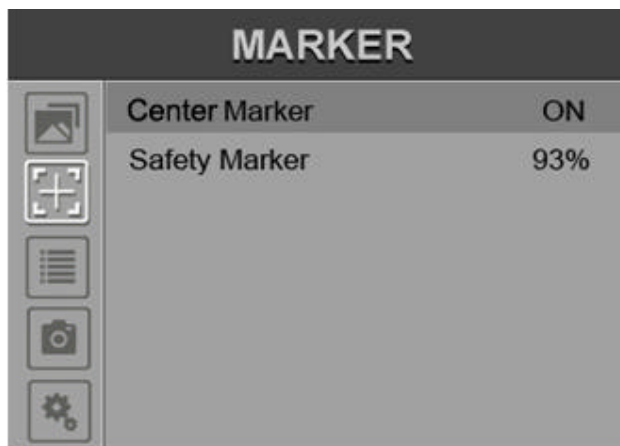
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2-2-1. Picture



| ITEMS | OPTIONS |
|------------|---|
| Brightness | 0 - 100 |
| Contrast | 0 - 100 |
| Saturation | 0 – 100 |
| Tint | 0 – 100 |
| Sharpness | 0 – 100 |
| Color Temp | 6500°K, 7500 °K, 9300 °K, User |
| | Red |
| | Green |
| | Blue |
| | Note: Available only in "User" mode to choose the color value you need. |

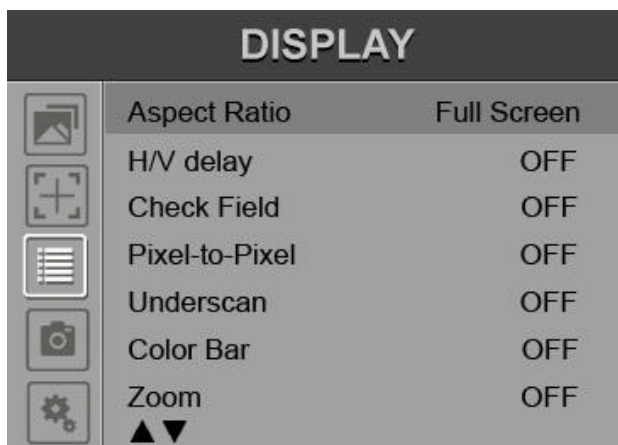
2-2-2. Marker



| ITEMS | OPTIONS |
|---------------|-----------------------------------|
| Center Marker | ON, OFF |
| Safety Marker | OFF, 95%, 93%, 90%, 88%, 85%, 80% |

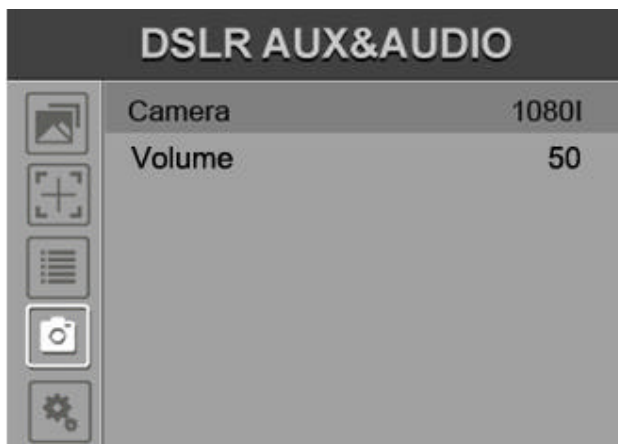
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2-2-3. Display



| ITEMS | OPTIONS |
|----------------|--|
| Aspect Ratio | Full Screen, 16:9, 4:3, 1.85:1, 2.35:1 |
| H / V delay | OFF, H&V Delay, V Delay, H Delay |
| Check Field | OFF, Mono, Red, Green, Blue |
| Pixel-to-Pixel | OFF, ON |
| Underscan | OFF, ON |
| Color Bar | OFF, ON |
| Zoom | OFF, x2, x4, x6, x8 |
| Image Flip | OFF, ON |
| Freeze Input | OFF, Freeze |
| PIP | Small, Medium, Large, PBP, POP |

2-2-4. DSLR Aux& Audio



| ITEMS | OPTIONS |
|--------|--------------------------------------|
| Camera | 480P (5D-II Mode), 1080I (5D-? Mode) |
| Volume | 0 – 100 |

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2-2-5. System



| ITEMS | OPTIONS |
|----------------------|----------------------|
| LOGO | OFF, ON |
| Language | English, Chinese |
| Manufacturer Default | OFF, ON |
| Back Light | 0 – 100 |
| ISP | For program upgrades |

3. SOFTWARE APPLICATION

1. Cross-connection network cable

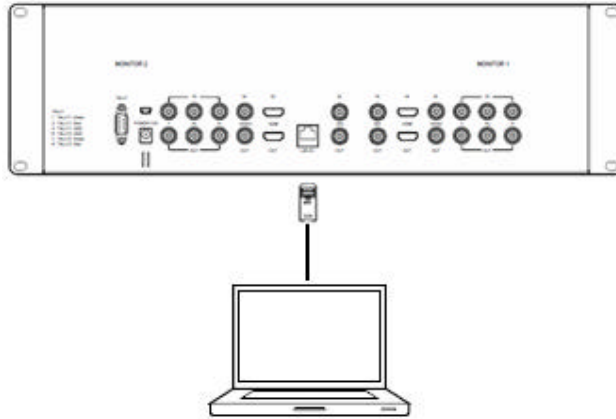


| T568A | | | | | | | | T568B | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| W | G | W | Bl | W | O | W | Br | W | O | W | Bl | W | G | W | Br |
| G | O | | Bl | | | Br | | O | G | | Bl | | | Br | |

Note: W: white, G: green, O: orange, Bl: blue, Br: brown

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2. Software settings



- ? . Connect the LAN port with PC.
- ? . Set the PC IP to 192.168.1.XXX network segment(XXX is a user-definable parameter).
- ? . Open the application program, then select the monitor which is needed to be adjusted (Monitor1 or Monitor2).
- ? . Set the parameter values according to user's individual requirements.

First, click the "read" button to read the corresponding parameter value of the device to the software, secondly, modify the parameter value on the software, then, the instruction can be realized on the device.



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4. ACCESSORIES



1



2



3

- | | |
|-------------------------|---------|
| 1. DC 12V Power adapter | 1 piece |
| 2. TALLY connector | 1 piece |
| 3. Manual | 1 piece |

5. PARAMETERS

| | |
|-----------------------|-------------------------|
| Panel | 7" LED IPS |
| Physical Resolution | 1280×800 |
| Brightness | 400 cd/? |
| Contrast | 800: 1 |
| Viewing Angle | 178°/ 178°(H/V) |
| Input Voltage | DC 12V |
| Input Signal | HDMI, YPbPr, SDI, Video |
| Power Consumption | =18W |
| Operating Temperature | -20? ~60? |
| Storage Temperature | -30? ~70? |
| Dimension (LWD) | 482.5×133.5×25.3mm |
| Weight | 6.36 lbs / 2885g |

6. TROUBLE SHOOTING

1. Only black-and-white display:

Check whether the color saturation is properly set up or not.

2. Power on but no pictures:

Check whether the cables of HDMI , YPbPr, SDI and VIDEO are correctly connected or not. Please use the standard power adapter equipped with the product package. Improper power input may cause damage.

3. Wrong or abnormal colors:

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

4. When power on, the picture shows size error:

Press “**MENU ? DISPLAY ? Underscan**” to zoom in/out pictures automatically when receiving HDMI signals.

5. Other problems:

Please press “**MENU**” button and choose “**SYSTEM? Manufacturer Default ? ON**”, then press “**ENTER**” button to confirm it.

6. According to the ISP, the machine can not function properly:

ISP is used for program upgrades, non-professionals do not use. The device will reboot if selected accidentally!

Note: due to constant effort to improve products and product features, specifications may change without prior notice.