# Marshall Electronics

# M-CT710

Camera-Top Monitor

Owner's Manual

Dear users:

Thank you for purchasing Marshall's M-CT710 HD LCD Monitor. This 7" Pro HD LCD Monitor is designed to be used as an external video display, allowing you to step back from the camera while still being able to frame and capture the action without having to look through the camera's built-in viewfinder. It employs advanced integrated circuits, high quality TFT LCD modules, and low power consumption.

This monitor is designed to be small, easily operated, and portable, with HDMI, Composite Video, Audio Input and HDMI Output. This monitor can be powered by DSLR, Camcorder and AA batteries

**Product Advanced Features:**

• Zoom mode
• HDMI input and output. Video Input and Audio input
• Viewfinder marked ranges:0%, 85%, 90%, 93%, 96%
• Cross the screen center mark
• 16:9 or 4:3 Aspect Ratio Setting
• Earphone stereo output.
• Speaker
• Brightness, Contrast, Hue, Saturation and Color Temperature Adjustment
• Field - Normal, Red, Green, Blue, Gray
• Supports , camcoder or AA batteries
• Removable Sunhood
• 2 Years warranty with registration (see registration form)

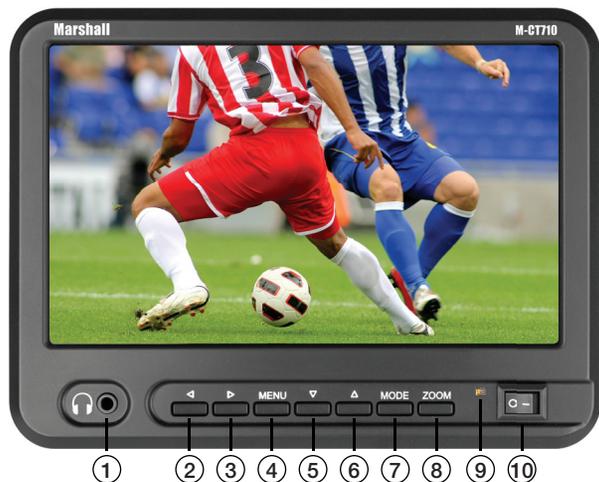To ensure the best use of this product, please read this manual carefully beforehand.

CAUTION
1. Please use the adapter attached in the accessory or another qualified adapter.
2. Please do NOT expose this product to direct sunlight, heat, or humid conditions.
3. Please keep away from strong light while using this product to ensure the image effect and long-term use.
4. Please avoid heavy impact or drop onto the ground.
5. Please do NOT use chemical solutions to clean this product. Please wipe with a clean, soft cloth to maintain the brightness of the surface.
6. Please do not take apart or repair the unit by yourself to avoid damage the product.

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## Product Description



### Panel Instruction

1. 3.5mm headphone jack
2. Volume down or to adjust the value setting function
3. Volume up or to adjust the value setting function
4. MENU: To activate OSD menu
5. Menu navigation key up
6. Menu navigation key down
7. HDMI/Video selector key
8. Zoom - mode
9. Indicator light
10. Power on/off



### Back view

11. HDMI input jack
12. HDMI output jack
13. Battery mount (see pg. )
14. Power source input jack
15. Video In
16. Audio In
17. Speaker

### Battery installation
Suggestion: Remove the battery for long periods of inactivity.

### Sunhood installation and Removal
Attach the self adhesive side of the Velcro® to the side of the monitor.

## 2. Power input
The monitor can be powered by the enclosed DSLR, Camcorder equivalent 12V power abater or AA batteries or equivalent battery or by a 12V power adapter. Please note the input polarity is Positive with respect to --○-+, otherwise will damage the monitor!

## 3. Operating instruction
3.1 Menu operating instructions
Before setting the menu functions, please make sure the device is connected correctly. Power switch is to ON position. The monitor enters into working state. Please dial to OFF position when closing the unit.
After selecting the optionals, press "►"or "◄" on the unit to confirm, then using "▲" or "▼" to select or adjust the value of Analog Data. After confirm the needed adjust parameters, using "►" or "◄" to adjust. If you need to exit OSD menu, repress "MENU" button.

### Brightness
To adjust brightness 0-100. Default value is 50.

### Contrast
To adjust contrast 0-100. Default value is 50.

### Color
Saturation
To adjust Saturation 0-100. Default value is 50.

Hue
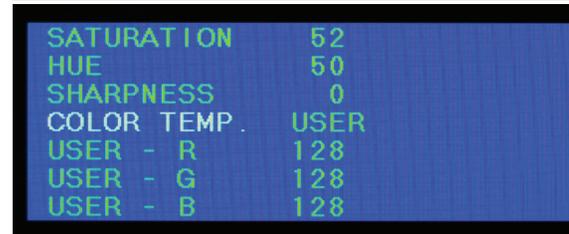To adjust Hue 0-100. Default value is 50.

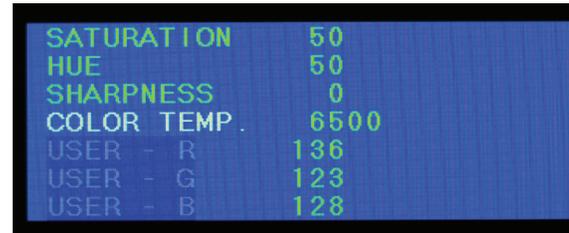Sharpness
To adjust the Sharpness.

Color temperature
To adjust the color temperature.
Pre set         9300, 6500, or User
User-R          0-255   Default value is 128.
User-G          0-255   Default value is 128.
User-B          0-255   Default value is 128.

### Function

### System

### Sound
To adjust the volume left and right arrows buttons on the front of the monitor. Default value is 0.

## 4. Parameters

| | |
|---|---|
| Display panel size | TFT LCD 5.0inch 1152000 Pixels |
| Panel type | TFT LCD |
| Resolution | 800*480 |
| Max resolution | 1920×1440 |
| Horizontal frequency range | 30-60kHz |
| Field frequency range | 60Hz ~ 75Hz |
| Distance | 0.045(W) x 0.135 (H) |
| Display ratio | 16:9 |
| Brightness | 350 cd/m$^2$ |
| Contrast | 500:1 |
| Response time | 10ms |
| Viewing angle | 70°/70°(L/R) 50°/70°(U/D) |
| Backlight | LED |
| Input signal | HDMI, VIDEO, AUDIO |
| Signal output | HDMI(optional) |
| Supported format | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p |
| Video color system | PAL-4.43; NTSC-3.58 |
| Input power voltage range | DC6-24V |
| Power consumption | ≤7w |
| Standby current | ≤50mA |
| Unit size(LWH)<br>With sunhood | 146mm(L) *100mm(H) *46mm(W)<br>146mm(L) *100mm(H) *60.5mm(W) |
| Weight (no battery)<br>With sunhood | 260g<br>340g |
| Working temperature | -20~55°C |
| Storage temperature | -30~65°C |

## 5. Accessories

5.1. Standard
  Mini HDMI to HDMI cable
  HDMI to HDMI cable
  Hot shoe mount
   battery
  Battery Charger
  User manual

5.2. Optional
  BNC to RCA adapter
  DC 12V power adapter
  BNC cable
  Sunhood

## 6. Troubleshooting

6.1. Only black and white or monochrome picture. Please check saturation, brightness & contrast adjustment.

6.2. No picture after turning on the power. Check signal cable connecting, make sure use the standard adapter is connected the monitor. If power is supplied by battery, please check if the battery is fully charged.

6.3. The image color distortion or abnormal, e.g. lack some color. Please check signal cable whether connected correctly or not. If the cable is damaged or loosened, it will cause poor transfer, causing this malfunction. Check "color" function menu "color temperature" adjustment, whether adjustment misconduct under the "user" state.

If you are still experiencing problems, contact Marshall Electronics technical support at: **(800) 800-6608 or +1 (310) 333-0606**

| Menu Option Chart | | | |
|---|---|---|---|
| Input Mode | | HDMI | Video |
| Color | Brightness | X | X |
| | Contrast | X | X |
| | Hue | X | X |
| | Saturation | X | X |
| | Color Temperature | X | NO |
| | | | |
| OSD | Language | X | X |
| | H Position | X | X |
| | V Position | X | X |
| | OSD Timeout | X | X |
| | Zoom | X | NO |
| | Transparent | X | X |
| | | | |
| Function | Reset | X | X |
| | Display Ratio | X | X |
| | Screen Marker | X | X |
| | Center Marker | X | X |
| | | X | NO |
| | | | |
| Sound | Volume | X | X |

## Battery Compatibility

This camera-top monitor is compatible with a variety of different and camcorder batteries, depending upon which option is purchased:

| Compatible Batteries | Compatible Camcorder Batteries |
|---|---|
| Canon BP511 | Canon BP-970G |
| Canon E6 | JVC BN-V438U |
| Nikon EL3 | Panasonic CGA-D54 |
| Nikon NEL15 | Panasonic VW-VBG6 |
| Compatible AA Batteries | Sony NP-QM91 |
| AA batteries Alkaline or | Sony NP-F970 |
| rechargeable | |

## Marshall Electronics
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