Legamaster

We make communication visible

# Touchscreen display
# **Safety & Recommendations**

English | Deutsch | Nederlands | Français | Español

User Manual - Version 1.0

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# IMPORTANT INFORMATION

## 1. IMPORTANT INFORMATION

**WARNING:**
TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. ALSO, DO NOT USE THIS UNIT'S POLARIZED PLUG WITH AN EXTENSION CORD RECEPTABLE OR OTHER OUTLETS UNLESS THE PRONGS CAN BE FULLY INSERTED.REFRAIN FROM OPENING THE E-SCREENS HOUSING AS THERE ARE HIGH VOLTAGE COMPONENTS INSIDE.

**CAUTION:**
TO REDUCE THE RISK OF ELECTRIC SHOCK, MAKE SURE POWER CORD IS UNPLUGGED FROM WALL SOCKET. TO FULLY DISENGAGE THE POWER TO THE UNIT, PLEASE DISCONNECT THE POWER CORD FROM THE AC OUTLET. DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE.

**WARNING:**
FOR CONTINUED SAFETY, DEVICES WITH CLASS I CONSTRUCTION SHALL BE CONNECTED TO A MAIN SOCKET OUTLET WITH A PROTECTIVE EARTHING CONNECTION.

**WARNING:**
THIS IS A CLASS A PRODUCT MEANT TO BE USED IN PROFFECIONAL ENVIROMENTS. - THIS PRODUCT MUST NOT BE USED IN RESIDENTIAL AREAS.

### 1.1. USE

- Transport the product upright with proper packaging. Avoid placing the product face up or down. Handle with care!
- Do not send a static (non-moving) image to the e-screen, it may cause image 'burn-in' or image retention.
- "Burn in" and/or image retention is not covered under warranty.
- Make sure to change the image on the e-screen periodically. It is recommended to turn off the e-screen for at least 6 hours after 16 hours of usage in a 24-hour period to help avoid image retention.

# SAFETY INSTRUCTIONS

## 1.2. EXEMPTIONS

- This product isn't warranted for any damage caused by natural disaster (such as earthquake, thunder, etc.), fire, acts by third parties, accidents, owner's intentional misuse and fault, or use in other improper conditions.
- This product isn't warranted for incidental damages (such as profit loss or interruption in business, modification or erasure of record data, etc.) caused by use or inability to use of this product.
- This product isn't warranted for any damage caused by inappropriate operation, or from not following the user manual.
- This product isn't warranted for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment or software.
- This product isn't warranted for any damage caused by neglect of the installation instructions.
- This product isn't warranted for any damage caused by improper installation.
- This product isn't warranted for any damage caused by disassembly, modification or repair by non-authorized service centers or people.

## 2. SAFETY INSTRUCTIONS

Before using this e-screen, please read this user manual thoroughly to help protect against property damage and to ensure your personal safety and the safety of others.

• Read and follow all instructions and safety-warnings found in this manual.

• For installation or adjustment, please follow the instructions in this manual and refer all servicing to qualified service personnel.

## 2.1 SAFETY PRECAUTIONS

**If smoke or a peculiar smell comes from the e-Screen, remove the power plug from the outlet immediately.** Failure to do so may result in fire or electrical shock.

Contact your dealer for inspection.

**If the e-Screen has been turned on but there is no picture, remove the power plug from the outlet immediately**. Failure to do so may result in fire or electrical shock.

Contact your dealer for inspection.

**If water is spilled or objects are dropped inside the e-Screen, remove the power plug from the outlet immediately.** Failure to do so may result in fire or electrical shock.

Contact your dealer for inspection.

**If the e-Screen is dropped or the e-screen's housing is damaged, remove the power plug from the outlet immediately.** Failure to do so may result in fire or electrical shock.

Contact your dealer for inspection.

**If the power cord or plug is damaged or becomes hot, turn off the main power switch of the e-Screen, make sure the power plug has cooled down and remove the power plug from the outlet.**

If the e-Screen is still used in this condition, it may cause fire or electrical shock. Contact your dealer for replacement.

# SAFETY INSTRUCTIONS

## 2.2 MOVING AND CARRYING NOTICE

**Moving the product:**

Moving the product requires at least four people. Attempting to move the product with fewer people may result in damage to the display or in serious injury of the people handling the screen. When moving a display in its shipping carton, lift the carton using the white handles.

**Carrying the product:**

This product is heavy; please follow proper lifting techniques, as pictured below. Failure to do so may cause injury.

## 2.3 INSTALLATION

**Don't install in a high-temperature environment.**

If the e-screen is used in high-temperatures or in direct sunlight, it may cause the housing of the product or other parts to become distorted or damaged, resulting in overheating or electrical shock.

**Don't install in a high-humidity environment.**

This may cause overheating or electrical shock.

**Don't install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.**

This may cause fire or electrical shock.

**Don't overload outlets or cables beyond electrical capacity.** Don't use extension cords as it may cause fire or electrical shock.

**Don't insert the power plug into an outlet other than 100~240V AC.**

This may cause fire or electrical shock.

- **Don't use a damaged power plug or worn outlet.**
- **Don't insert an improper power plug it may cause fire or electric shock.**

**Don't place the e-screen on an unstable shelf or surface.** The e-screen may fall, causing injury. Please install on a horizontal, stable, level surface.

**Don't place objects on the e-screen.**

- If the e-screen is covered or the vents are blocked, the display could overheat and cause a fire.
- If objects or liquids get inside the e-screen, this may cause fire or electrical shock.
- Do not put heavy objects on the e-screen as they may fall, causing injury.
- Please keep a 10 cm minimum distance between e-screen, wall and/or other objects to ensure sufficient ventilation.

# SAFETY INSTRUCTIONS

Don‘t move the e-screen when it is connected to the power cord and AV cables.

• When moving the e-screen, make sure to remove all cables first.

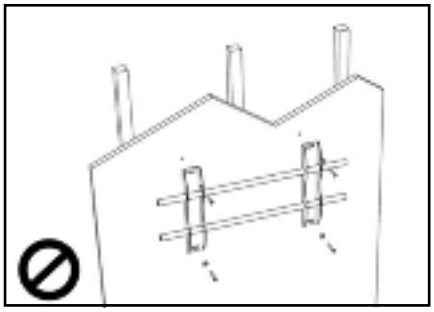
• When unpacking or carrying the e-screen, at least 4 people are needed. Make sure the e-screen is carried upright.

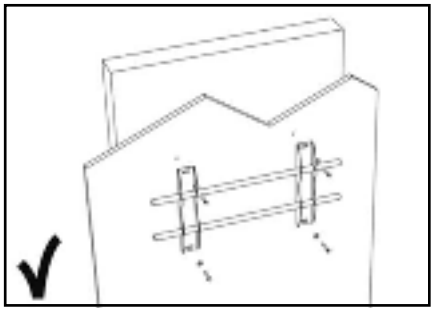
• Transport the e-screen upright. Avoid placing the e-screen face up or down.

• Handle the e-screen gently. Do not drop.

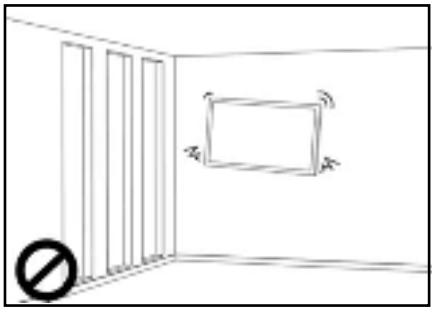
## 2.4 WALLMOUNT SAFETY NOTICE

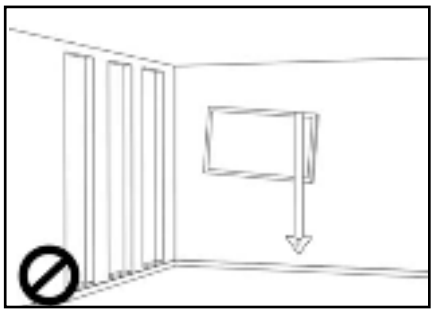
1. Please make sure that the bracket is mounted on a solid surface.





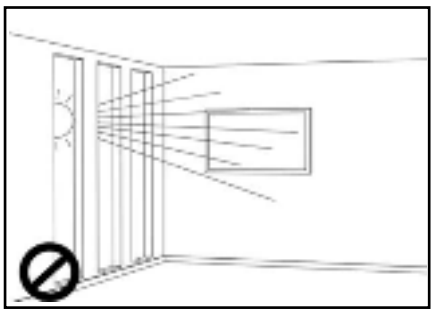
2. After mounting the screen, do not pull, push or shake the screen.

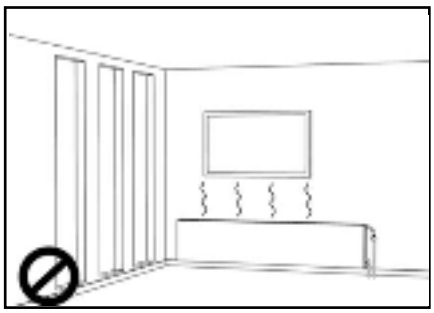




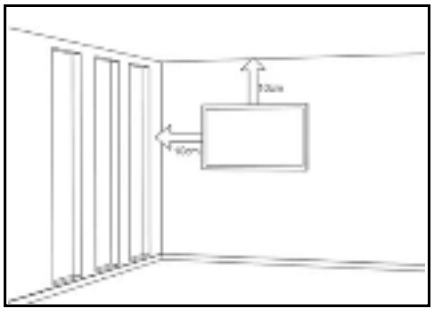
# SAFETY INSTRUCTIONS

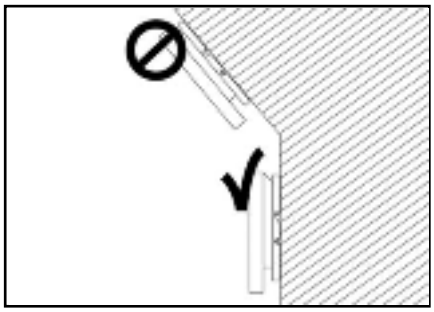
1. Do not install screens in direct sunlight, humid conditions, or high temperatures.





4.





## 2.5 RECOMMENDED USE

**If you encounter a problem during installation, please contact your supplier for assistance. Don't repair or open the e-screen by yourself.** Failure to do so may result in fire or electrical shock.

**Contact your dealer for inspection.**

**Protect and correctly use the power cord/plug.**

• Don't pinch the power cord/plug between hard surfaces.

• Don't step on the power cord/plug.

• Before inserting the power plug into the wall outlet, connect the power cord to the display.

• Using an e-screen with a damaged or non-original power cord can damage the screen, cause fires or electrical shocks.

**Using extension cords (not recommended)**

If an extension cord must be used, ensure the voltage rating exceeds the max power consumption of the display. If the voltage rating is less than the display, it will cause the extension cord to overheat.

**Do not operate the screen during thunder or lightning.**

Remove the powerplug from the power outlet.

# SAFETY INSTRUCTIONS

**Don’t use any kind of liquid on the e-screen.**

• If liquid is spilled on the e-screen, remove the power plug from the wall socket and ask qualified service personnel to check the product.

• If liquid gets on e-screens glass plate, clean it with a dry and soft cloth immediately.

• Don’t use any chemicals on the e-screen.

• If metal or liquids get into the e-screen, it may cause a fire or an electrical shock.

**Don’t install or remove the power plug with wet hands.** This may cause an electrical shock.

**If the e-screen will not be used for a long period of time, unplug the display. Preventing to do so may cause premature wear of electrical components or fire.**

**Handle the e-screen with care, prevent glass breakage.**

• If the glass of the e-screen is broken, liquids may escape. Please don‘t touch the liquid.

• If these liquids come into contact with skin or eyes, immediately wash it away with clean water and consult a medical professional.

**Precautions with the remote-control batteries**

• Please only use approved AAA type batteries.

• Please be sure to insert batteries by matching the + and -.

• Don’t recharge, heat, disassemble, short or throw batteries into a fire.

• Don’t mix a new battery with a used one.

• Don’t mix different types of batteries together (only use the specified type).

## 2.6 CLEANING

Remove the power plug from the power outlet before cleaning.

Failure to do so may result in electrical shock or damage.

Cleaning the surface of the e-screen

• When the surface of the e-screen becomes dirty, wipe the surface lightly with a soft clean cloth.

• If the surface requires additional cleaning, lightly moisten the cloth.

• Do not to let any kind of liquid enter the e-screen as it may cause electrical shock or damage.

• Do not clean the e-screen with alcohol, solvents or ammonia, as this could damage the e-screen.

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# Discover Professional display
# **Product Content & Operation**

English | Deutsch | Nederlands | Français | Español

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# PACKAGE CONTENT / INSTALLATION

## 1. PACKAGE CONTENT

### 1.1. UNPACKING

• The Professional Display is packed using cushions to protect the product during shipping.

• Before unpacking, prepare a stable, level, and clean surface near a wall outlet.

• Step 1: Place the box in an up-right stable position.

• Step 2: Remove the white handles and cut the banding

• Step 3: Smoothly lift the upper part of the box, this will reveal the Professional Display box content

• Step 4: Remove the top cushion and take the accessory bag out.

• Step 5: Extend the bag up and carefully cut the upper layer to unseal the Professional Display

• Step 6: Prepare your screen for installation, and then remove it from the box by lifting it.

### 1.2. INCLUDED ACCESORIES.

| ITEMS |
|---|
| Power Cord 1.8m |
| Remote Control |
| Quick Set-Up Guide |

## 2. INSTALLATION

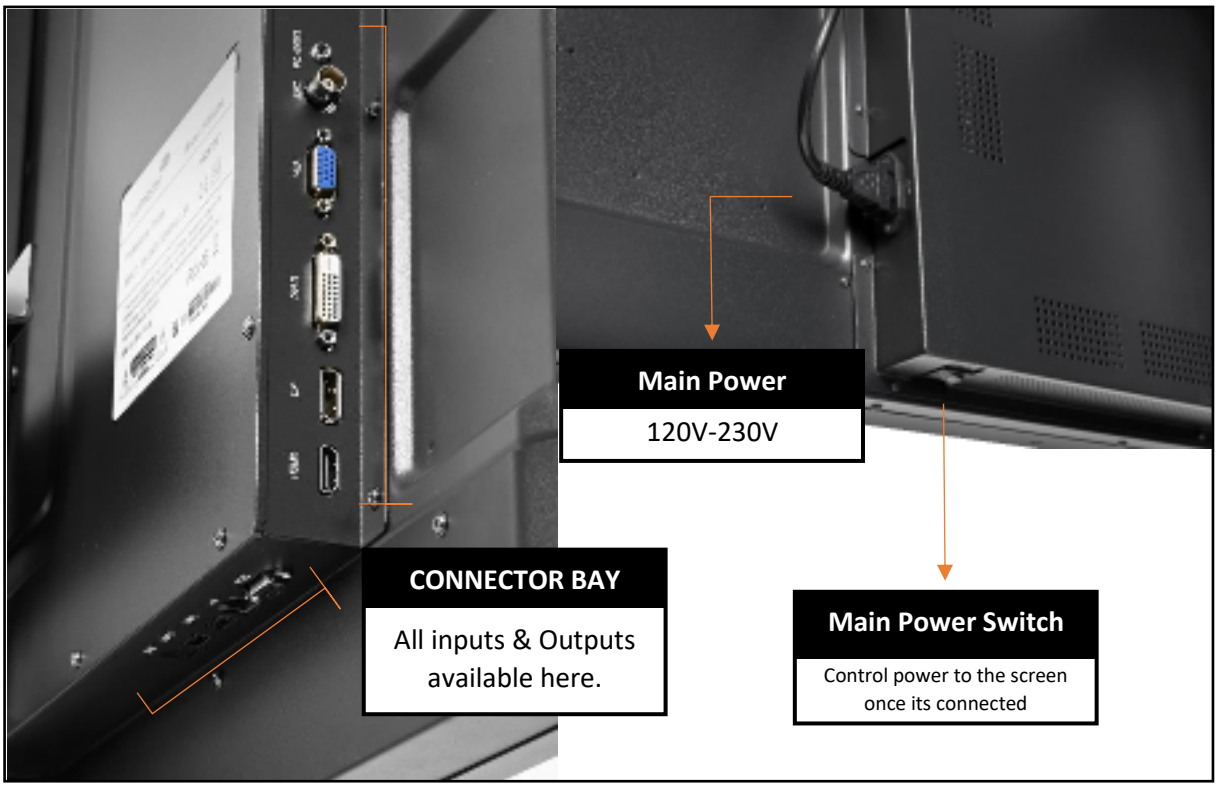
### 2.1 ENVIROMENT CONDITIONS

When operating the screen, ambient room conditions should not exceed the following:

- Operating temperature: 0˚C to 40˚C (32˚F to 104˚F)
- Humidity: less than 90% RH (Max)

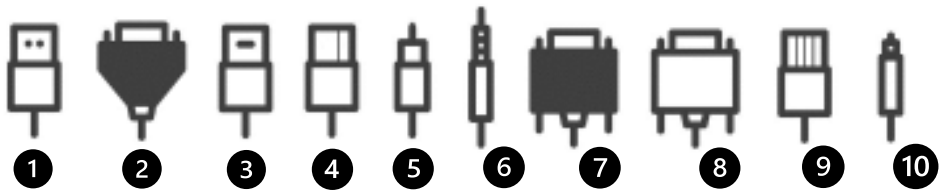
# OVERVIEW

## 2.2 GENERAL OVERVIEW OF THE SCREEN



# OVERVIEW

## 2.3 INPUT / OUTPUT CONNECTOR INFORMATION




1. USB-A 2.0 (x2)
2. VGA (1)
3. HDMI 2.0 (x1)
4. DP 1.2 (x1)
5. BNC (1)
6. Minijack 3,5 Stereo (x1 in) / (x1 out)
7. DVI-D (x1)
8. RS-232 (Serial)
9. RJ-45 (x1 IN) / RJ-45 (x1 Out)
10. SPDIF (Optical Audio)

## 2.4 REMOTE CONTROL

**Turn the display ON and OFF.**

**Source Selection** Displays the input selection screen to select from

**Navigation Buttons** Easy navigation wheel

**Select / Confirm:** Confirm your on screen selection

**Settings MENU** Direct access to the main settings MENU

**Home:** Head directly to the main home page

**Back / Return to previous MENU** Returns to the previously selection.

**OPS:** Direct Access to the OPS Input

**HDMI:** Direct Access to the HDMI Input

**Freeze:** Will Freeze the current picture frame.

**Volume Down** Lowers the audio volume.

**Mute:** Silence Audio output

**Volume Up** Raises the audio volume.

# OVERVIEW / OPERATING THE SCREEN

## 2.4.1 CHANGING THE REMOTE-CONTROL BATTERY

1. Remove the battery cover:

On the backside of the remote-control, slide down the battery cover.

2. Insert batteries:

Use two AAA batteries and insert them according to the plus and minus indicators in the remote control.

3. Close the battery cover by sliding it back into place.

I. Discard batteries according to the local waste reduction and recovery regulations.

II. Do not keep used, empty batteries in the remote control. They can leak and result in damages to the remote control.

III. Only use batteries according to the instructions and regulations found in this manual and to the instructions and regulations set forth by the batterie's manufacturer.

About the remote control

• Do not drop, shake, or bump.

• Avoid moist conditions, liquids, high-temperatures and/or exposure to direct sunlight.

• Don't dismantle.

## 3. TURNING THE DISPLAY ON AND OFF

Please make sure the display is connected to an AC power-socket using the supplied power cable.

Set the AC-switch to "I ". The Professional Display will start up, if not.

To switch the display on, push the power-button on the screen once, or push the power-button on the remote control.

To switch the display off, press the power-button on the screen, or push the power button on the remote control. The display will switch to stand-by mode.

To turn off power completely, turn the AC switch to "O "or disconnect the AC power cord from the power outlet.

# OPERATING THE SCREEN

## 3.1 SETTINGS MENU

| MAIN SETTINGS | | LEVEL 1 | VALUES | | EXPLANATION |
|---|---|---|---|---|---|
| Settings | Source | Source Switch | VGA | | Switch your input to VGA |
| | | | DP | | Switch your input to DisplayPort |
| | | | OPS | | Switch your input to OPS |
| | | | HDMI | | Switch your input to HDMI |
| | | | DVI | | Switch your input to DVI |
| | | | BNC | | Switch your input to BNC |
| | | BootSource | VGA / HDMI / OPS / DP / DVI / BNC | | Select a source to switch to when booting the screen |
| | | SourceLock | VGA / HDMI / OPS / DP / DVI / BNC | | Select a Source to Block |
| | | AutoDetect | | | Automaticaly Switch to a new detected Source |
| | Image | Image Setting | Image Mode | PC / Eye Pro / Standard / Lightness / Soft / User | Select Image Mode Configuration |
| | | | Brightness | 1 - 100 | Adjust your Brightness Setting |
| | | | Contrast | 1 - 100 | Adjust your Contrast Setting |
| | | | Tone | 1 - 100 | Adjust your Tone Setting |
| | | | Saturation | 1 - 100 | Adjust your Saturation Setting |
| | | | Sharpness | 1 - 100 | Adjust your Sharpness Setting |
| | | Color Temperature Setting | Color Temp. Mode | Standard / Warm / Cold | Select Color Temperature Mode |
| | | | R Gain | 0 - 255 | Adjust Red Gain |
| | | | G Gain | 0 - 255 | Adjust Green Gain |
| | | | B Gain | 0 - 255 | Adjust Blue Gain |
| | | | R Offset | 0 - 255 | Adjust Red Offset |
| | | | G Offset | 0 - 255 | Adjust Green Offset |
| | | | B Offset | 0 - 255 | Adjust Blue Offset |
| | | Zoom Setting | Proportional Mode | 16:9 / Dot by Dot / 4:3 | Adjust Digital Zoom Settings |
| | | Advanced Setting | Backlight | 1 - 100 | Set Backlight Intensity |
| | | | Color Range | Auto / 0 - 255 / 16 - 255 | Select Color Range |
| | | | Gamma | 2.0 - 2.5 | Set Gamma Configuration |
| | | | HDR | Auto | HDR Mode |
| | | | HDMI EDID | 1.4 | EDID Version |

# OPERATING THE SCREEN

| MAIN SETTINGS | | LEVEL 1 | VALUES | | EXPLANATION |
|---|---|---|---|---|---|
| Settings | Sound | Volume | Mute | ON / OFF | Toggle Mute Option |
| | | | Volume | 1- 100 | Adjust Volume Setting |
| | | Balance | Sound Balance | 1 - 100 | Adjust Sound Balance |
| | | Equalizer | HighPitch | 1 - 100 | Adjuts Sound Treble |
| | | | Bass | 1 - 100 | Adjutst Sound Bass |
| | | Sound Output | Built In Device / External Device | | Select Audio Output |
| | | Listen Alone | ON / OFF | | The display will go into stand by mode and sound will continue |
| | | DVI Audio IN | DVI-D / Audio IN | | Configure the Audio routing for DVI-D |
| | Wi-Fi | Wireless | Wi-Fi Switch | ON / OFF | Turn Wi-Fi ON/OFF |
| | | | Install Certificate | | Install a Wi-Fi certificate |
| | | Wired | Link | ON / OFF | Turn Wired Connection ON/OFF |
| | | | IP Setting | Automatic / Static IP | Configure IP Settings |
| | | | MAC Address | | Current MAC Address |
| | | | IP Address | | Current IP Address |
| | | | Proxy Setting | NO / Manual Control | Adjust Proxy congfiguration |
| | | Wireless HotSpot | HotSpot Switch | ON / OFF | Turn Hotspot Functionality ON/OFF |
| | | | HotSpot Name | | Set Hotspot Display Name |
| | | | Encryption Type | WPA2 PSK / NONE | Select Hostsoport Security |
| | | | Password | Show Password | Show Hotspot Password |
| | | | 5 Ghz | | Enable 5Ghz Band connection |

# OPERATING THE SCREEN

| MAIN SETTINGS | | LEVEL 1 | VALUES | | EXPLANATION |
|---|---|---|---|---|---|
| Settings | User Configurations | Language | English / Nederlands / Español / France / Deutsch | | Set Screen's Language |
| | | USB Media | USB Media Type | Video / Close / Image | AutoPlay a specific type of content |
| | | | Image Play Duration | 10 Seg. | Image Slideshow duration per image |
| | | Screen Saver & Display | Wallpaper | | Set main Background |
| | | | No Signal Picture | | Set a No Signal image |
| | | | Smart Clean Screen | ON / OFF | Enable/ Disable a Anti-burning mechanism |
| | | | Clean Screen Time | 0.5 Hr / 1 Hr / 2 Hrs | |
| | | Control | RS-232 | ON / OFF | Turn Serial Control ON/OFF |
| | | | HDMI CEC | ON / OFF | Turn CEC ON/OFF |
| | | Power Control | Network Wake-Up | ON / OFF | Turn Network Wake Up ON/OFF |
| | | | No Signal Automatic Shutdown | Close / 5 min. / 15 min. / 30 min. | Shutdown after thee selected time. |
| | | Remote Control & Buttons | Remote Lock | ON / OFF | Turn Remote Lock ON/OFF |
| | | | Key Lock | ON / OFF | Turn Key Lock ON/OFF |
| | | Applicatoin Management | App Permissions | | Modify App Permissions |
| | | | Downloaded Apps | Clear Data / Clear Cache / Force Stop | Downloaded Apps Adminsitration |
| | | | System Apps | Clear Data / Clear Cache / Force Stop | System Apps Administration |
| | | System Update | Firmware Upgrade (USB) | | Upgrade Firmware Version |
| | | Reset | Confirmation Prompt | | Reset Screen to default Values |
| | Date & Time | Time And Date | Automatic Date & Time | ON / OFF | Turn Automatic Date & Time ON/OFF |
| | | | Set Date | | Set internal Date |
| | | | Set Time | | Set Internal Time |
| | | | Time Zone | | Select Time Zone |
| | | | 24-Hour | ON / OFF | Turn 24-Hour Mode ON/OFF |
| | | Timer ShutDown | Timer ShutDown | ON / OFF | Turn Timer Shutdown ON/OFF |
| | | | Off Time | | Set Off Time |

# OPERATING THE SCREEN

| MAIN SETTINGS | | LEVEL 1 | VALUES | EXPLANATION |
|---|---|---|---|---|
| Settings | Information | Signal Information | Current Source | Current Signal Information Displayed |
| | | | Current Resolution | Current Resolution Information Displayed |
| | | | Line Frequency | Current Line Frequency Displayed |
| | | | Field Frequency | Current Field Frequency Displayed |
| | | | Signal Color Gamut | Current Signal Color Gamut Displayed |
| | | Monitor Information | Serial Number | Device's Serial number |
| | | | Run Time | Divece's Run Time |
| | | System Information | Device Name | Device's Name Information |
| | | | Device Model | Device's Model Information |
| | | | Running Memory | Device's running memory information |
| | | | Storage Memory | Device's storage memory information |
| | | | Screen Resolution | Device's Screen resolution information |
| | | | Android Version | Device's Android version information |
| | | | System Version | Device's System version Information |

## 3.2 UPDATING THE SCREEN

Before first using the screen, please update it to the latest firmware version.

To update to the latest firmware version using a USB Drive, open the Setting Menu and navigate to User Configurations from this menu select the option System Update and then Firmware Upgrade (USB)

## 4. TROUBLESHOOTING

FOR FREQUENTLY ASKED QUESTIONS, PLEASE VISIT: FAQ.LEGAMASTER.COM