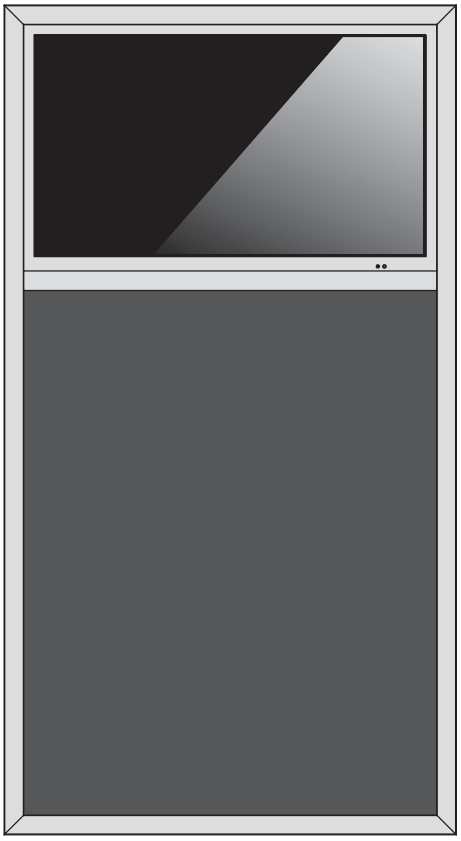
User Manual

Wall-mounted 27 inch LCD Signage with Writing-board

ADMA04W-27



V1.0 @ 2020.11

CONTENTS

Product Informatio **page**

1.1 Product Feature ----------2
1.2 Product Composition ----------2
1.3 Standard Accessories Quantity Table----------3
1.4 Installation Instruction----------4
1.5 LED Writing Board Introduction----------5
1.6 Product Technical Data ----------6
1.7 Safety Warnings and Precautions ----------7

2. Product Installation

2.1 Terminology of the product ----------10
2.2 Set up the product and the way to access ----------10
2.3 Two ways to configure the device ----------12
2.4 Certain settings required before playback ----------14

3. Content Edit and Playback

3.1 Cloud CDMS server platform ----------16
3.2 Content edit and produce program ----------16
3.3 Program upload and playback ----------16

4. Product Warranty and Maintenance

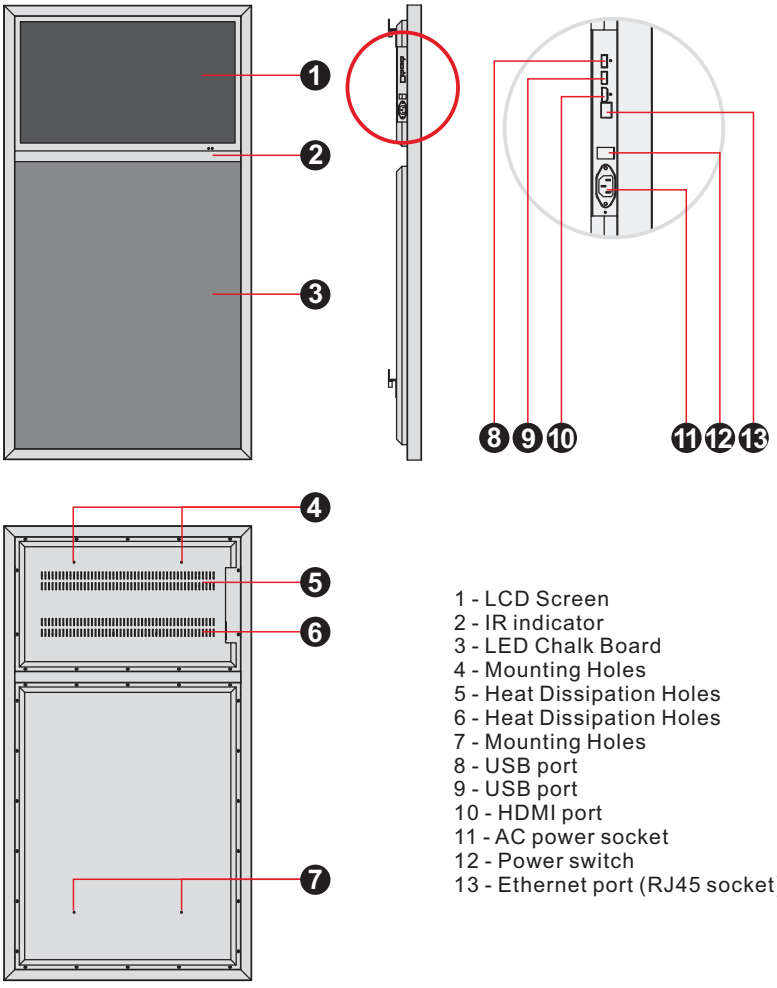
4.1 Warranty Policy ----------17
4.2 Product Maintenance ----------17

1.Product Information

1.1 Product feature

Wall-mounted LCD signage with writing-board is a digital signage product with elegant design, 27" high quality LCD screen, Signway control board and UL/CE power supply embedded inside, which is capable to have wireless, Ethernet, cloud platform and USB program edit, playback for advertising, education, commercial and every kind of communication use at everywhere in the place you want.

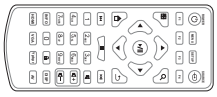
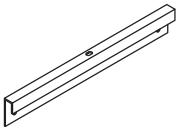
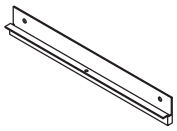
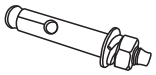
1.2 Product Composition



1 - LCD Screen
2 - IR indicator
3 - LED Chalk Board
4 - Mounting Holes
5 - Heat Dissipation Holes
6 - Heat Dissipation Holes
7 - Mounting Holes
8 - USB port
9 - USB port
10 - HDMI port
11 - AC power socket
12 - Power switch
13 - Ethernet port (RJ45 socket)

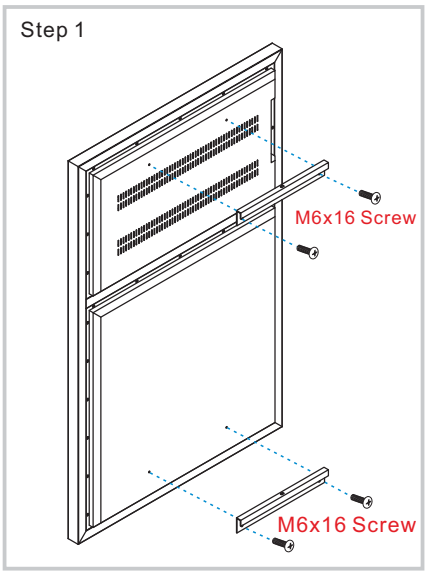
CAUTION: Disconnect the power plug before assembling or disassembling the unit!

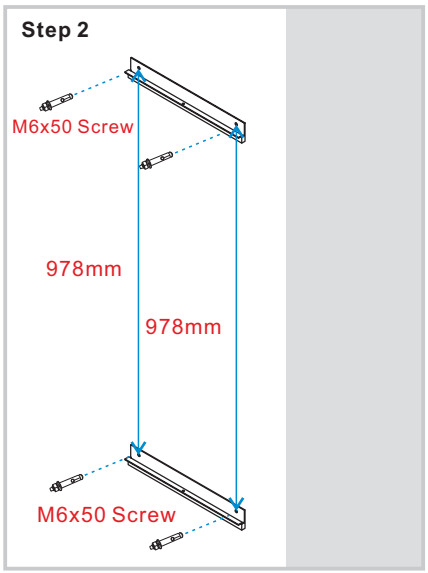
1.3 Standard Accessories Quantity Table

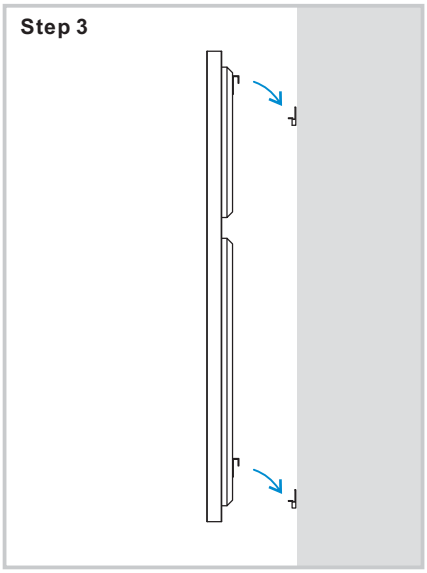
Accessory	Picture	Qty	Remark
AC Power cord		1	with Ground Pin
Remote Control for LCD Screen		1	
Remote Control for LED Writing Board		1	
Wall mounted bracket (On the backside of product)		2	
Wall mounted bracket (On the wall)		2	
Writer pen		8	
Soft cloth		1	
M6x16 Screw		8	
M6x50 Screw		6	
User manual		1	

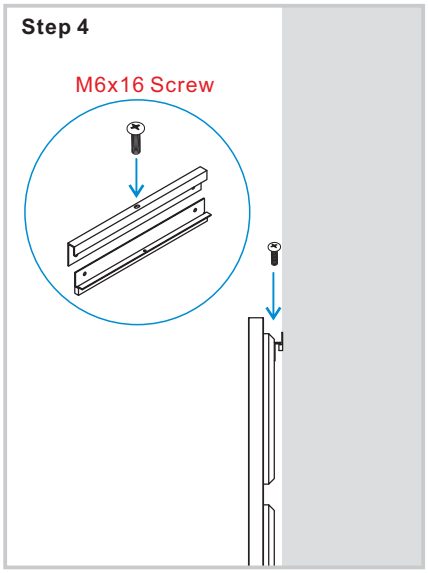
1.4 Installation Instruction

Step 1: Fix the bracket A onto the backside with M6x16 screws.
Step 2: Fix the bracket B onto the wall with M6x50 screws as the diagram below.
(Note: the vertical center distance=978mm).
Step 3: Hang the product onto the bracket on the wall.
Step 4: Fasten the middle hole with a M6x16 screw properly.



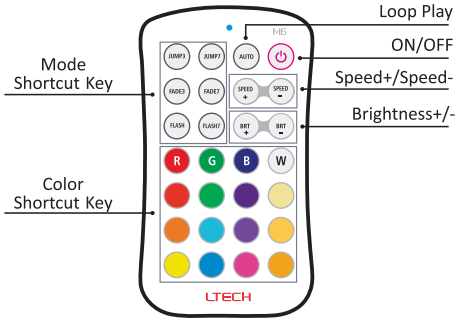






1.5 LED Writing Board Introduction

Product Description	Wipable Neon LED Writing Board
Main Material	Aluminum+ glass
Display Area	632x803mm
Light Source	RGB SMD3535 LED
Input Voltage	100-240V AC
Output Voltage	12V DC
Power Consumption	9W
Display mode	Static vs. Dynamic mode / Single color vs. Multicolor mode
Display Brightness	Tunable or Dimmable
Display Speed	Tunable or Dimmable
Control	Remote control
Wipe Type	Wet Cloth



Remote:

- Working Voltage: 3V (battery CR2032)
- Working Frequency: 433.92MHz
- Working Temp.: -30℃~55℃
- Dimensions: L104×W58×H9(mm)
- Weight(N.W.): 42g

Product Features:

- You can use liquid pen to create content on the chalkboard and wipe it away by using wet cloth as you will .
- The RGB LED lights of this product can be set as static/dynamic mode/single-color or multi-color mode and
- The light is tunable to set the brightness as you wish. adjusted at will

PS: While the supplied liquid pen or eraser being used up, Please be sure to replace the one with similar characteristics, so as not to damage the chalkboard

1.6 Product Technical Data

Items	Specification
CPU	RK3288, Quad-Core Cortex A17, 1.8 GHz
RAM	DDR3 2GB embedded
ROM	16GB embedded
Outline Dimension	1270mm x 692mm x 69.5mm
Screen Size	27 inch
Display Color	16.7M Colors
Number of Pixel	1920 x 1080 Pixels
Media Format	MPEG1、MPEG2、MPEG4、H.264 WMV、MKV、TS、FLV、MP3 JPG、JPEG、BMP、PNG、GIF
Input Voltage /Current	AC 100-240V 50/60Hz 1.1A
Power Consumption	54W

1.7 Safety Warnings and Precautions

Based on the product design and LCD property, the following security works must be complied with in the device handling and use.

- Avoid high temperature and high moisture circumstance use : operating temperature 0~50℃; operation humidity 10%~90%
- Suitable operating time : 25℃ 20 hours a day or less
- Suitable voltage input : 100~240v, excess voltage will cause damage to the product.
- Keep away from strong electromagnetic circumstance : strong electromagnetic wave will cause damage to the product.
- Be used in ventilated circumstance : well- ventilated environment would be better for the product use.
- Avoid excessive vibration, heavy drop and sever impact : any heavy vibration, drop and impact will cause damage to the product.
- Do not replace or modify product parts by yourself : we will not be responsible for any product problems of the product caused by self-adjustment.
- This is a non-water-proof product, so please be sure to avoid water leaking into the product.
- To have regular cleaning work : regular cleaning work is good for the product operation

Lithium Batteries Disclaimer of Liability

YG displays is not responsible for any direct, indirect, special, or consequential damages and personal injuries, including that to life, and health, resulting from the customer's application and use of YG displays products. You, the customer, assume full and unlimited responsibility for all customer Battery applications and uses. Your purchase of this product constitutes your agreement to hereafter assume full and total responsibility for your subsequent utilization of the Battery and you agree to defend, protect, save harmless, and indemnify YG displays., its officers, and employees relative to your potential use and misuse of this product. By purchasing or using a YG displays product you agree to the above terms.

IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS

As Lithium batteries are volatile, please read these safety instructions and warnings before using or charging your batteries. Failure to do so may result in fire, personal injury, and damage to property.

General Guidelines and Warnings

- Battery charge and discharge rates are given as a multiplier of the capacity. For example, a 3300 mAh (mili Amp-hour) battery with a 20C rating, the maximum continuous discharge rate is:

$$20C \times 3300mAh \times \frac{1Ah}{1000\ mAh} = \mathbf{66A}$$

- Store and charge in a fireproof container; never in your model!
- Never short a battery by cutting both wire leads simultaneously, contact with a conductive object, or any other means. If you accidentally short the wires, the battery must be placed in a safe area for observation as described above.
- In the event of damage (from a crash, etc), or swelling (ballooning); immediately cease use of the battery and observe it in a safe place for at least 30 minutes. Continuing to use a battery that has any physical damage, or has begun to swell may result in fire, injury, or damage.
- We recommend 3-5C max average discharge rate for breaking in new packs. Also be extremely careful not to over-discharge new packs (Packs should NEVER be over-discharged at any time, but over-discharging on the first flight will result in permanent damage to the battery).
- Never store or charge a battery pack inside a vehicle (especially in extreme temperatures).
- Store battery at room temperature between 40 and 80 °F (4 to 27 °C) for best results
- Do not expose battery pack to direct sunlight (heat) for extended periods.

Charging of Battery Packs

- Let Battery Pack cool down to ambient temperature before charging. Only charge batteries when the ambient, battery, and charger temperatures are between 32 and 113°F (0 to 45°C)
- Before connecting to charger, make a visual inspection of the pack. Look for any damaged leads, connectors, broken shrink, swelling of cells, or other irregularities. Do not use if you find any of the above issues with your pack.
- Do not charge batteries packs in series. Charge each battery pack individually. Failure to do so may result in incorrect battery recognition and charging functions.
- Use specific Balance Chargers only. Always check that all charger settings have been appropriately set for your specific battery pack.
- Always use balance charging. Do not charge without balancing; this will cause the cell voltages to become unbalanced; which may result in overcharging and damaging cells
- Never charge batteries unattended or overnight. When charging batteries you should always remain in constant observation to monitor the charging process and react to potential problems that may occur.
- Do not charge batteries above 25Volts/pack. Overcharged batteries are extremely dangerous.

Discharging (Use) of Battery Packs

- Do not discharge the batteries at a rate greater than they are rated for.
- Do not discharge batteries more than 80% of their capacity.
- Do not discharge batteries to below 3 volts per cell. Doing so will decrease the batteries lifespan.
- Discharge only when the battery and ambient temperatures are between 32 and 140°F (0 to 60°C).
- As a general guideline, a battery should never become so hot you cannot hold it tightly in your hand.

Battery Disposal

- Batteries that lose 20% of their capacity must be removed from service.
- Before recycling, discharge the battery to 3V/Cell, make sure output wires are insulated, and then wrap the battery in a bag.
- Do not dispose of batteries in the trash! Take your battery to an approved battery recycling facility.

2.Product installation

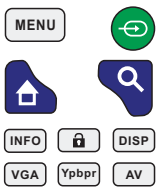
2.1 Terminology of the product :

- The product : The whole product, including hardware and software of front-end display product and back-end content software platform.
- GTV : the display software applied on the front-end product management. Please refer to "**Signway DS Player Software_Android_Manual_V1.0_140609**" PDF for the detail.
- CDMS: the content management software applied on the back-end content edit, program produce, program publish.. etc. management. Please refer to "**Digital Signage CDMS_Manual_V4.6.20**" PDF for the detail.
- Android : Android is an operating system based on a modified version of the Linux kernel and other open source software, designed primarily for digital devices. The product was developed based on Android system.

2.2 Set up the product and the way to access

- Open the product back bracket, place it on a flat floor, and connect AC power
- Turn on power switch, make sure LCD is on and IR indicator, blue light on the surface, is on as well.
- Make sure the mouse or the remote control works well
  (we recommend to use mouse which is a more efficient tool)
  - mouse : connect wire or wireless mouse by using USB port on the back of the product.

Remote control for LCD Screen

Illustration	Button	Function
		power switch
	SETUP	Call out OSD setup function (active at GTV home page home page only)
		Function Key, active in GTV home page and Android home page only, act as moving key
	F1 F2 F3 F4	sequentially press F1-F2-F3-F4 to exit GTV and enter Android home page
		return
		play and pause
		stop playback. press this button, the GTV home page will be presented right after
		up/down/left/right
		mute/volume up/volume down
	1 2ABC 3DEF 4GHI 5JKL 6MNO 7PQRS 8TUV 9WXYZ 0	Number input keys
	HDMI	For extension out only, not available for content uplaod
	MENU  INFO DISP VGA Ypbpr AV	No function

2.3 Two ways to configure the product

2.3.1 Through GTV Home page (also called OSD menu)

When the product being turned on, the system will enter into GTV home page at once and playback mode being active automatically, then if there is program ready for playback, either source from ROM or USB storage, the program will playback immediately. But if there is no program ready, GTV home page shown as below will stand still for further action.

GTV home page

At this moment, you can press SETUP button on remote control or click on the upper left corner of GTV home page and enter into system setting page as below, then you can go on for language, work mode, network, time…configuration.

System setting page on GTV

2.3.2 Through Android home page :

When the device is playing, press to return to the GTV home page. In that moment, press F1 F2 F3 F4 sequentially to perform the action of exiting GTV and entering the Androd home page. Afterward, you can click on the page or click Android menu first and then click on the Android menu page to enter into Android setup page for device configuration. After configuration, click to come back GTV and have playback again.

Android home page

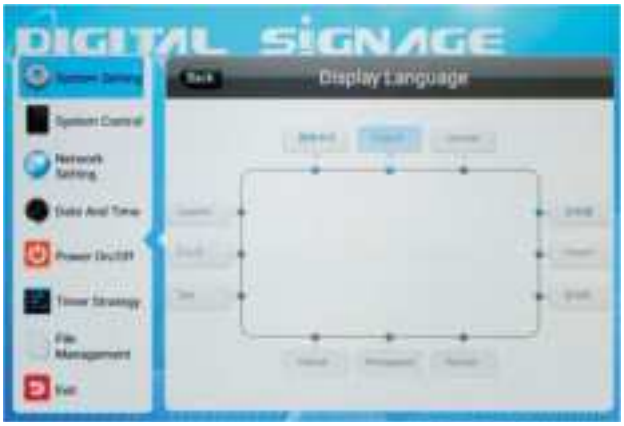
Android menu page

Android setup page

2.4 Certain settings required before playback

2.4.1 Language :

English is the default language set in factory, you can choose to select Simple Chinese or Japanese as you want by pressing + .



Language page

2.4.2 Work mode :

there are two major categories of work mode : network and stand-alone

- Network : It means to upload programs to the product by the network, which is divided into wired(LAN), wireless(wifi) and 3G according to the upload path used.
- Stand alone : It means to upload programs to device by USB manually. You should click Work Mode and select “Single” and you have to activate USB on System Setting page at the same time, then the product will recognized USB storage and upload the program inside when USB inserted into USB port.

System control page

Work mode page

System setting page-USB

2.4.3 Network setting :

When you select one of the network paths as your Work Mode, you must ensure that the network environment is properly set and available. If you have correct setting, you will see server address (web IP) showed on the page below.

Network setting page

3. Content Edit and Playback

3.1 Cloud CDMS server platform

We have set up a cloud CDMS server platform on web to serve our customers. Please have you account and password and enter the website by using computer.

http://47.52.207.18:8088/cdmsA/index.jsp

3.2 Content edit and produce program

After log-in the cloud CDMS platform, you can edit content, produce program, creat display plan and publish program to the product on the platform. CDMS is a powerful platform for your displays, including images, text, video, audio or a complex, please refer to “Digital Signage CDMS_Manual_V4.6.20” PDF for the detail of operation.

3.3 Content upload and playback

As mentioned on 2.4.2 Work mode, there are two ways of uploading programs to the product:

- Network : Be sure your device network is fully configured and functioned well, then you can publish programs to the product easily.
- USB : In stand-alone (single) scenario, you need to configure to activate USB first, as shown in >>"System Setting page-USB" on 2.4.2, down load programs from CDMS platform to your USB storage and insert the USB into USB port of the product, then the product will recognize the USB, upload program and playback automatically.

4. Product Warranty and Maintenance

4.1 Warranty Policy

- The product provides one-year warranty starting from the ex-work delivery date under the premise of normal and reasonable use of the product.
- Any unauthorized replacement of parts and components and wiring changes are deemed to be a violation of normal and reasonable use, and we will not perform the warranty responsibility.

4.2 Product Maintenance

- Regular cleaning on the product including dedusting of the surface and frame is required
- Follow through the use precautions mentioned on “1.4 Safety Warnings and Precautions” above is the most basic maintenance work.
- In case of a failure, please Inform the manufacturer and have maintenance operations by qualified person under the manufacturer's guidance.

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1)this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.