

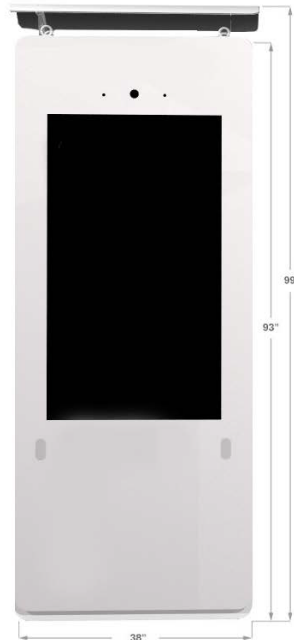
# 55" OUTDOOR PRESENZA

## USER MANUAL

*Product #: OD55P03-2C A2*



5'-7" model



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### Preface

#### 1.1 About OD55P03

OD55P03-2C is a 55" outdoor LCD advertising display in portrait kiosk with IP65 outdoor protection grade and full HD and high bright performance to meet outdoor sunlight readable requirements. Widely used in the commercial street, residential district, scenic spots, hospitals, schools, railway stations and other outdoor places.

#### 1.2 The Content

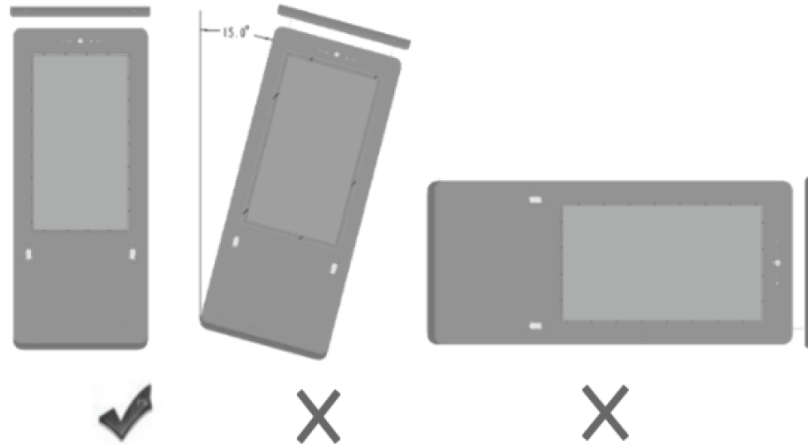
This document introduces the structure, technical data, installation, usage, maintenance of OD55P03-2C outdoor lcd display, and as well as troubleshooting methods.

#### 1.3 Operating Instructions

Make sure the installation and debugging are under the guidance of professional electrical engineers, software engineers, to prevent personal injury or equipment damage due to improper operation.

## Section 2: Safety and Notice

### Safety and Notice



- 2.1 Because of the built-in air conditioner inside, the product can not be over-tilt and upside down in the process of handling and installation.
- 2.2 Pre-installation, please read these instructions carefully and make sure local voltage is consistent with the specification requirements.
- 2.3 The display is tested to meet IP65 standard rating. It can be placed outdoors, even in the rain. But no protection for being immersed the liquid.
- 2.4 Due to prolonged exposure under the sunlight, LCD screen and the enclosure surface may be very hot. Do not touch.
- 2.5 Do not install the kiosk near open flame area, and should not use it in that area either.
- 2.6 Follow the instructions and install the LCD kiosk firmly on the ground or bracket, to prevent LCD damage.
- 2.7 There is air inlet and outlet at the bottom, make sure more than 300mm space during installation. The whole surface cannot be covered by other objects, to avoid affecting the cooling.
- 2.8 Disconnect the power supply before cleaning and maintenance of the internal device.

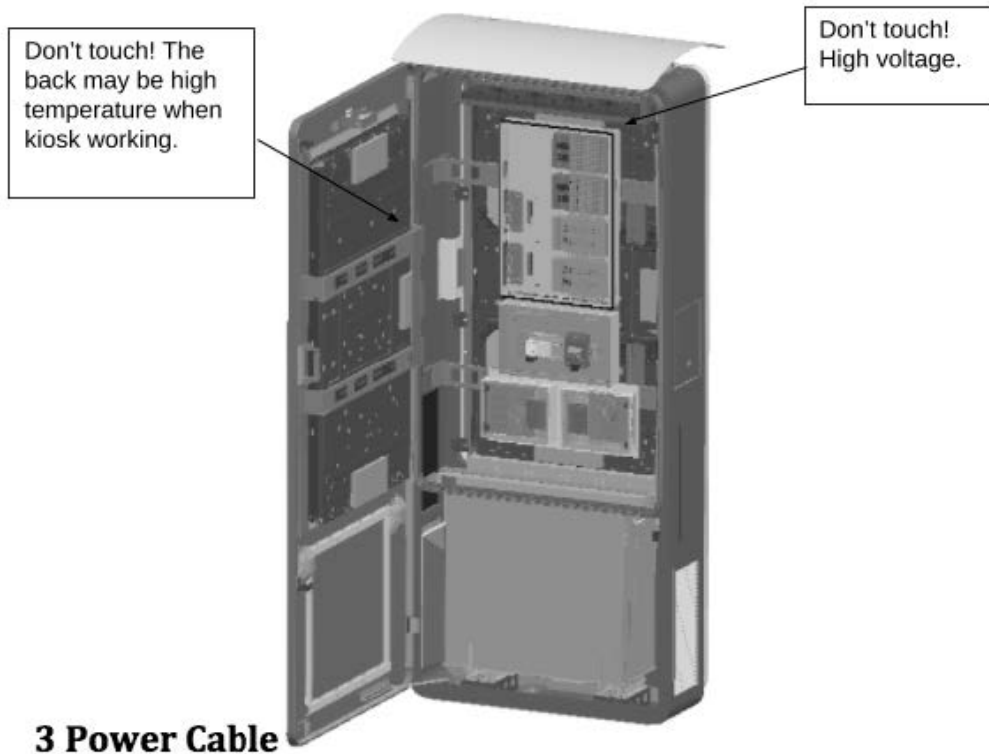
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## Section 2: Safety and Notice

2.9 Use damp cloth for cleaning, don't use liquid cleaners or aerosol cleaners directly on the monitor casing and glass.

2.10 Internal display components and circuit cannot be arbitrarily changed or removed without professional engineer guidance. The manufacturer does not assume any responsibility for the resulting damage.

2.11 Don't touch the internal electrical parts when kiosk works. Manufacturer takes no responsibility for the personal injury caused.



## Section 3: Power Cable

### Power Cable

Default standard power cable is 3m without plug if customer doesn't require particular configuration. The cable is placed in the lower part of the cavity (open method see description later). Customers can use or change different cables lengths, but the diameter shall be not less than the standard cable.

When connecting the external power supply, please note:

1. Wire correspondingly per the marks
2. Ensure reliable earthing.
3. Must take guidance of professional electrical engineers.

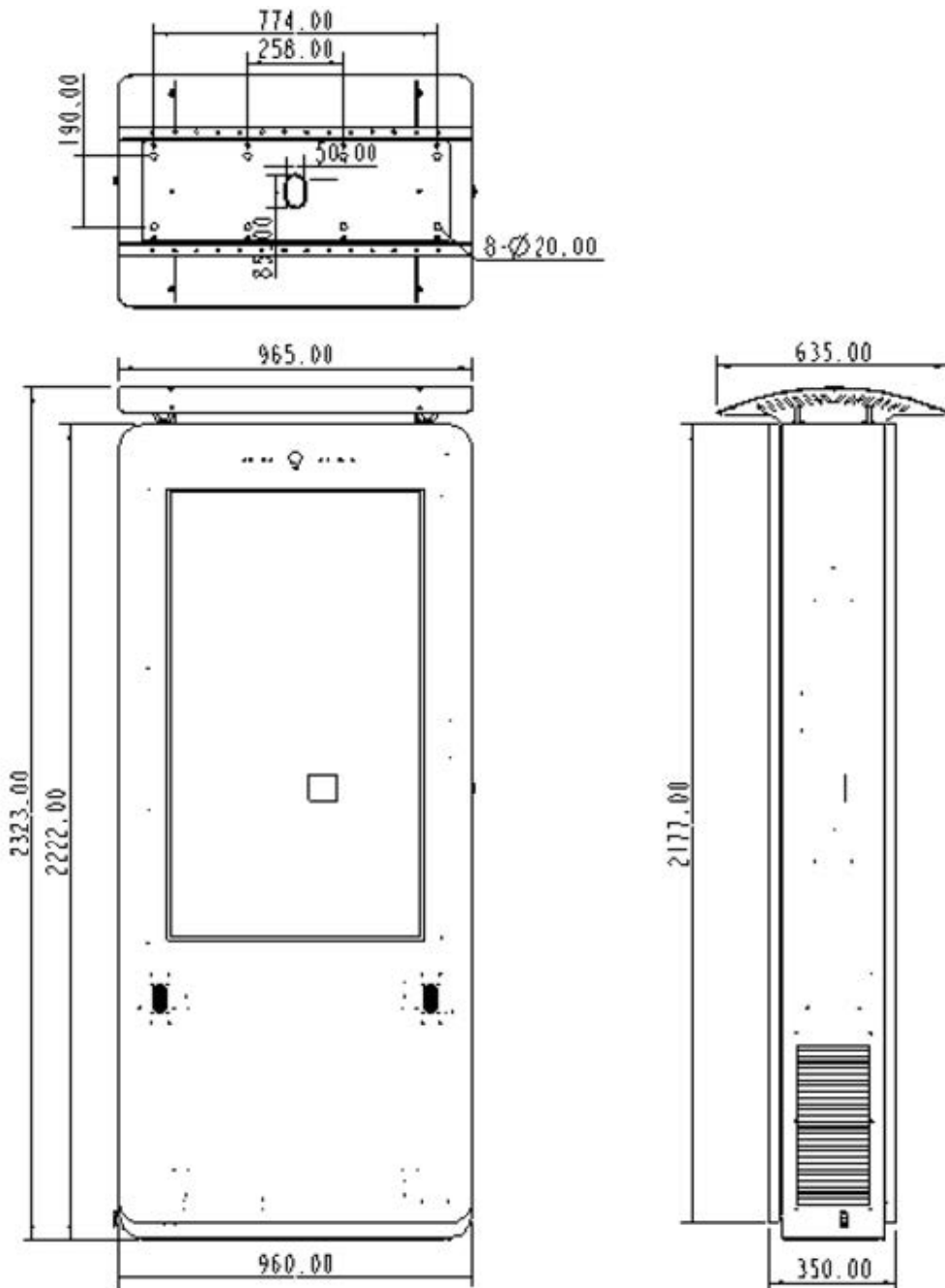


Standard Power Supply

## Section 4: Dimensions

### Dimensions

Unit: Millimeters (mm)



### Technical Parameters

Dimension	2323mmx960mmx350mm
Display Size	55"
Resolution	1080*1920
Brightness	2500cd/m2
Viewing Angle	178 Degrees
Contrast Ratio	3000:1
Protection Grade	IP65
Temperature Control	Precise air conditioner
Working Temperature	-40 Degrees Celcius ~ + 55 Degrees Celcius
	-40 Degrees Fahrenheit ~ 131 Degrees Fahrenheit

## Section 6: Display Diagram

### Display Diagram

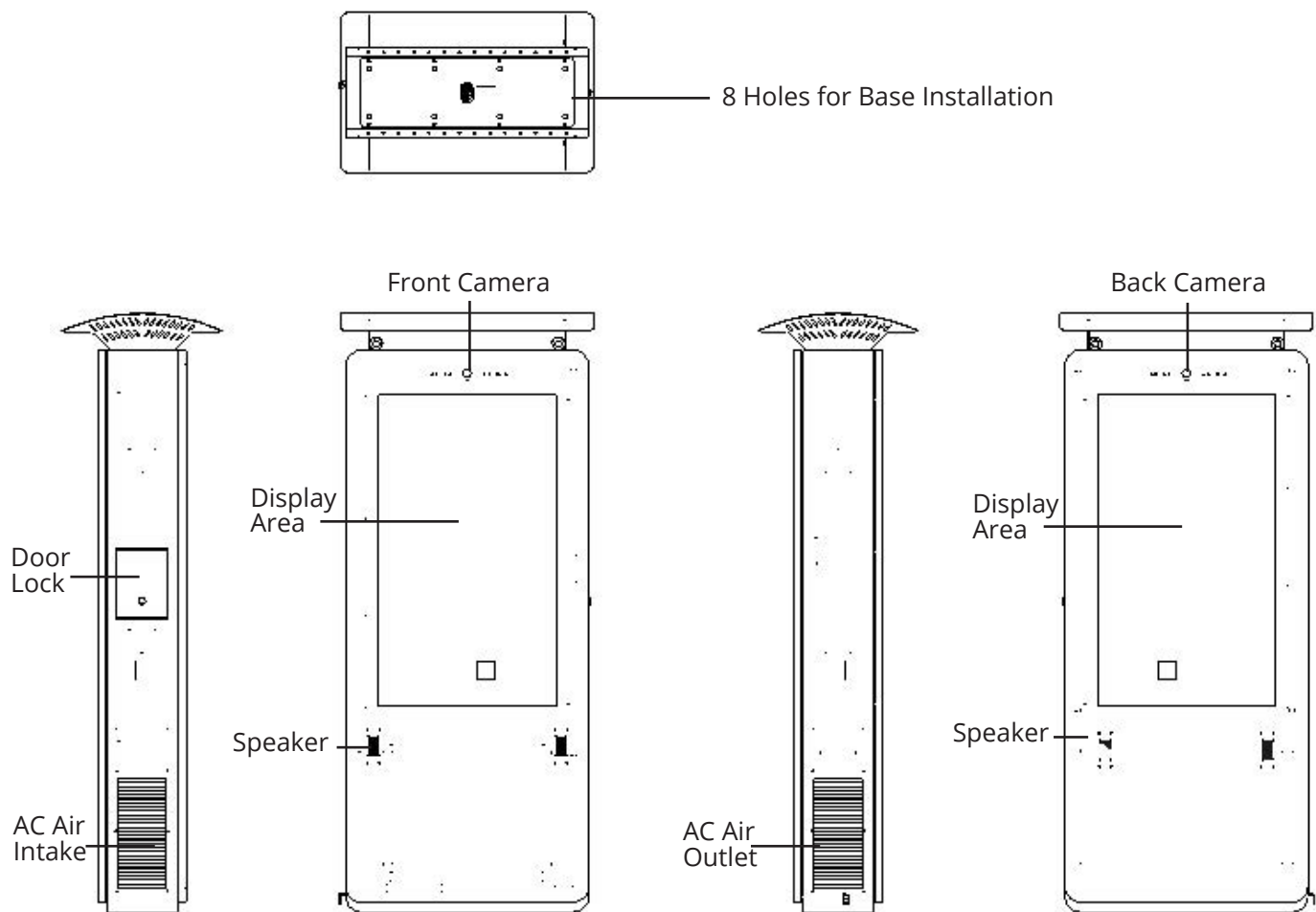
#### 6.1 Overall Unit Structure



## Section 6: Display Diagram

### 6.1 Overall Unit Structure

#### Two-Dimensional View



## Section 6: Display Diagram

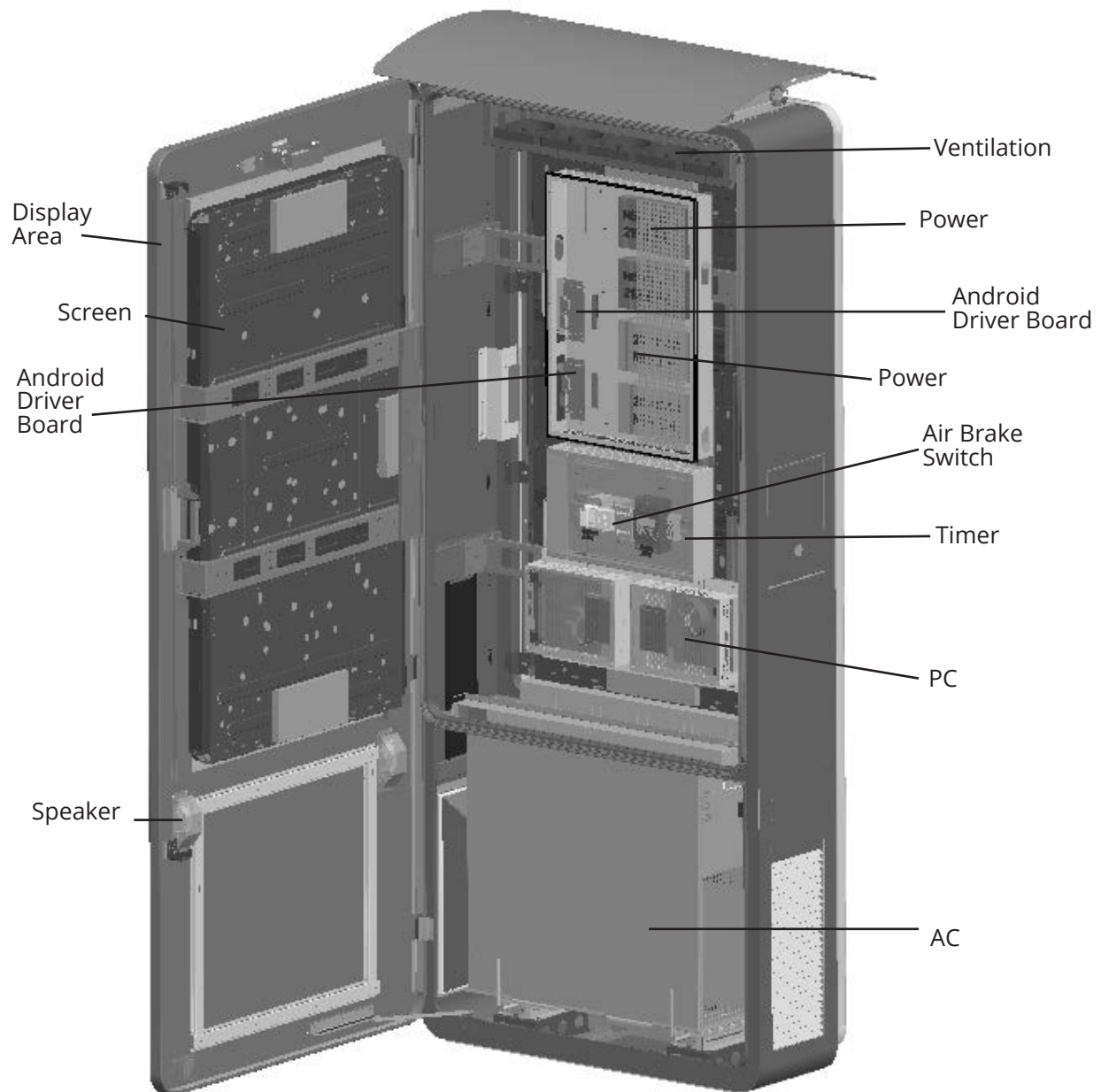
### 6.2 Open the Door

1. Open the Side Door by Key
2. Open the front door using the anti-theft wrench to loosen the anti-theft lock
3. The keyhole will then appear. Rotate key clockwise to open the door.



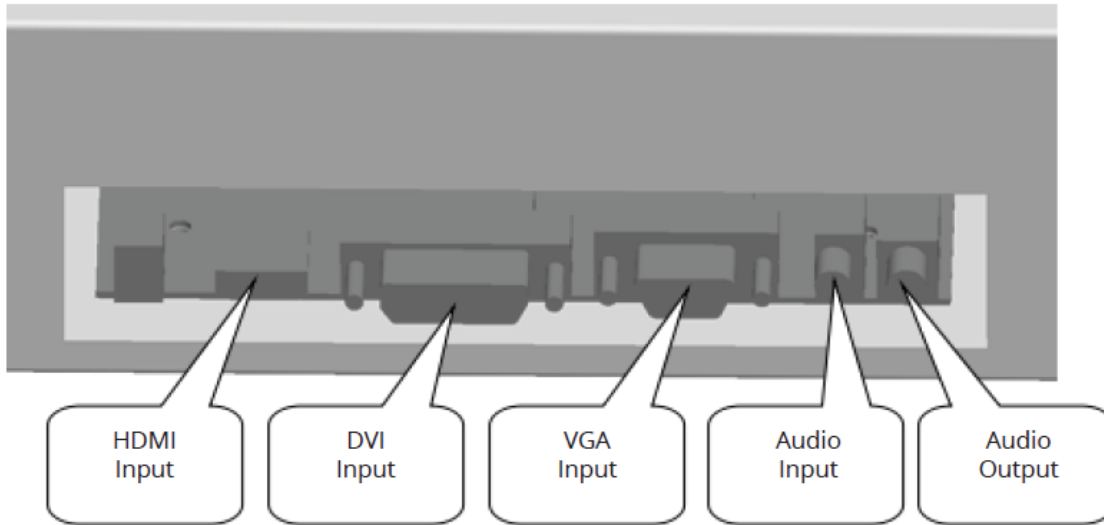
## Section 6: Display Diagram

### 6.3 Internal Structure

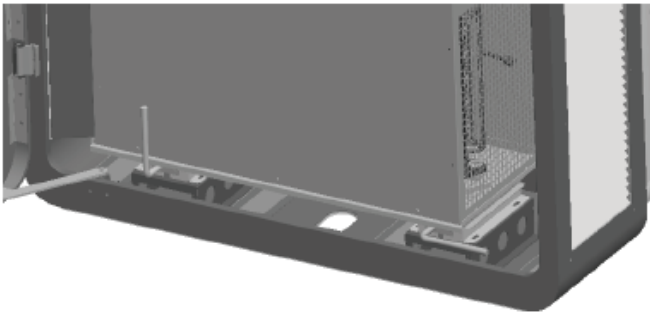


## Section 6: Display Diagram

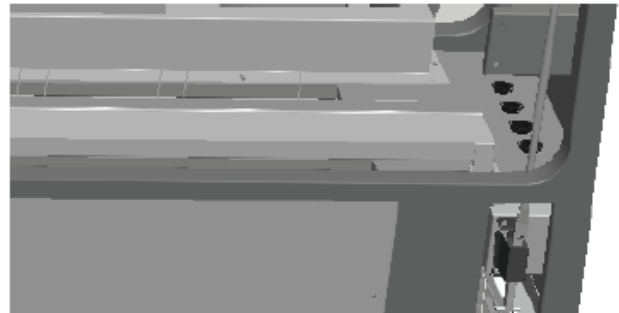
### 6.4 Driver Card



### 6.5 Cable Holes



Two outlet holes for the external power cord and network cable.



Four holes for the external power cable, air conditioner power cable and network cable passing through.

### Air Conditioner Disassembly + Installation

#### 7.1 Disassembly

- 7.1.1 Remove the door
- 7.1.2 Disconnect the air conditioner power cable
- 7.1.3 Remove windshield, cover, and AC air outlet layer
- 7.1.4 Pull out the air conditioner fixing tray
- 7.1.5 Remove the air conditioner unit from the enclosure

#### 7.2 Air Conditioner Installation

- 7.2.1 Put air conditioner onto the tray, move steadily back into place
- 7.2.2 Turn the handle to secure air conditioner back into place
- 7.2.3 Connect air conditioner cable to the switch, notice L, N and E

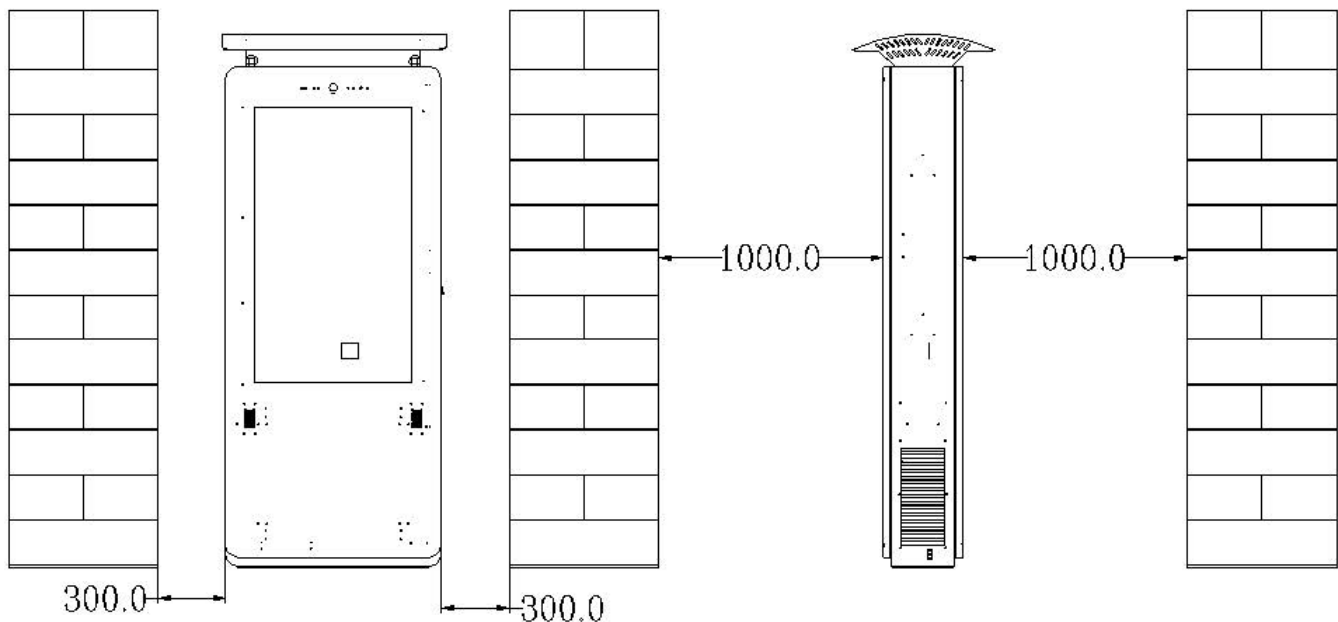
## Section 8: Installation Method

### 8.1 Precautions Before Installation

#### 8.1.1 Installation Location and Environment

This kiosk is floor standing, in order to ensure the safety, the ground should be solid. Custom cement foundation is recommended.

Ensure there is enough space for heat dissipation when select the location. And try to choose a clean site because excessive dust environment will affect the equipment lifespan.



*Install no less than 300mm from objects on either side, and 1000mm from objects from front and back.*








#### 8.1.2 Construction Requirements

Install the equipment on a sunny day, avoid installing the product during a lighting storm or inclement weather. Electrical parts inside the device have the potential to be damaged by rain or lightning.

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## Section 8: Installation Method

### 8.2 Installation Preparation Tools

Tool	Description	Picture
Tape Measure	Measure Length	
Ruler	Measure Length	
Level / Gradienter	Inspect Platform Planeness	
Impact Drill	Drill the Holes	
Drill	Drill for smaller hole sizes	
Wrench	Fasten or Loosen Screws	
Claw Hammer	Hammer	

## Section 8: Installation Method

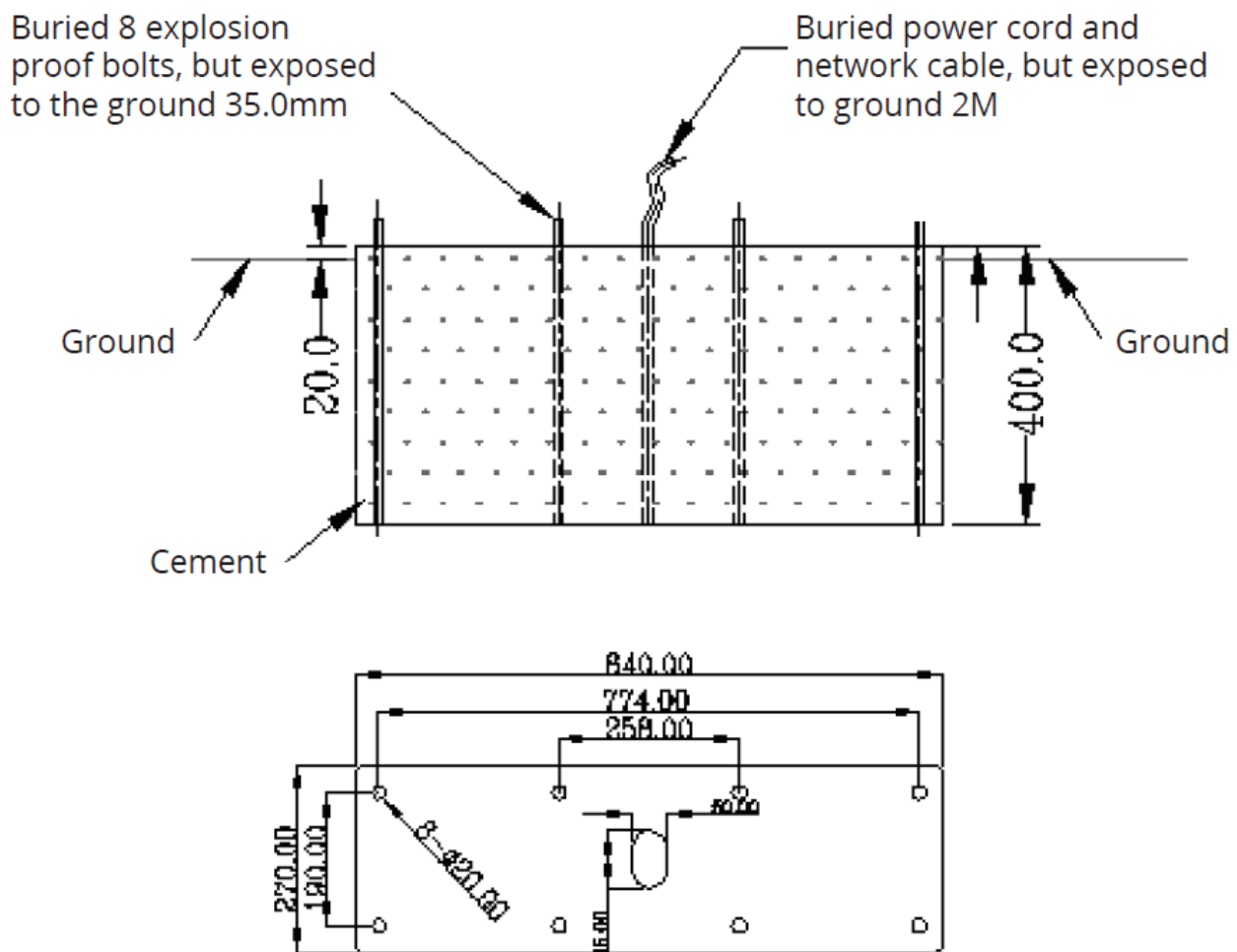
### 8.3 Kiosk Installation

#### 8.3.1 Make the Cement Foundation as Per Following:

The external dimension must be larger than product installation size (ie icon dimensions in mm).

The proposed thickness is greater than 400mm, and at least 20mm higher than the ground.

Outgoing line hole shall be reserved in the cement foundation.



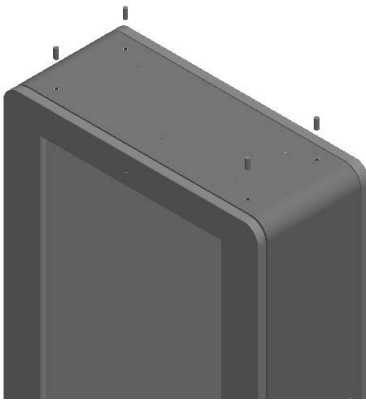
#### 8.3.2 Bury the Cable in Advance

Power cable is reserved 2M cable outside, net cable 2M.

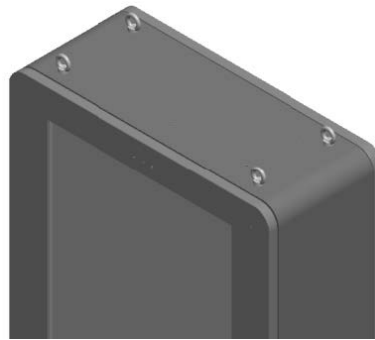
## Section 8: Installation Method

### 8.4 Moving the Kiosk

Use cranes or other appropriate tool to carry the kiosk to the cement stage, align the mounting holes. Note cement reserve cable will pass cable holes at the bottom. The kiosk cannot be tilted more than 30 degrees during moving.



*Remove the four rubber stoppers from the top of the kiosk enclosure.*

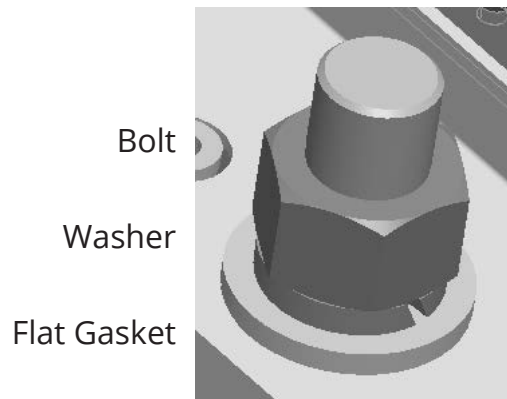


*Affix all four metal rings to the top of the kiosk. DO NOT only affix two rings.*

After installation, remove the four rings, with M12 bolt ,wad and flat gasket to fix top enclosure and machine together.

### 8.5 Mount Kiosk

Mount gasket and spring gasket. Use adjustable wrench to tighten the anchor bolts. Pull the bolts through the bottom of the kiosk and through the holes. Fasten the nuts in the order shown right.



## Section 9: Power On

### Power On

#### 9.1 Safety Testing

Safety testing has been done before shipping. The kiosk can run properly. If customer changes wiring and other parts (replace power cable, increase other electrical parts, etc.), shall make general safety testing before power-on, in order to judge whether there is short-circuited. This operation shall be carried out under the guidance of professional electrical engineer, with multimeter.

#### 9.2 Power-on procedure

##### 9.2.1 External power supply

After the circuits are detected normal, turn on the external power supply to power the kiosk. Be sure the power voltage is consistent with product requirements before power-on.

##### 9.2.2 Turn on the switch of multi-plug socket

Turn on the switch of multi-plug socket, the air conditioner is power on and starts work. The factory default state is on.

##### 9.2.3 Screen state detection

Under normal conditions, the display shows blue screen or the play content, the air conditioner starts running (internal fans keeps working).

### Temperature Control

#### 10.1 Introduction of Temperature Control

This unit adopts precise air conditioner cooling system, when the internal temperature is too high, AC starts to cool; too low, heater starts to enhance internal temperature. Since it is a precision device, non-professionals cannot change the internal structure and electrical parts of the air conditioner. Otherwise manufacturer is not responsible for caused losses.

Clean the air conditioner after running for three or six months, because the outside air intake will absorb some dust. Customer can adjust the cleaning frequency according ambient conditions.

*Remove the filter from inside the kiosk and remove dust.*

#### 10.2 Air Conditioning Monitoring

This precision air conditioning comes with a set of monitoring software, you can RS232 cable to connect the air conditioning RS232 port and computer COM port, to achieve air conditioning running status monitoring and parameter settings. This air conditioner has been set up in the factory parameters, please do not arbitrarily change the parameters, so as to avoid air conditioning abnormal operation.

### Operating Instructions

#### Remote Control

1. POWER (display on / off)
2. AUTO (The image can adjust automatically under VGA mode)
3. MUTE (Image sound: Mute and open)
4. Number key (for entering into factory pattern and channel adjustment)
5. VOL (VOL+/VOL-)
6. CH (Channel+/-)
7. MENU (Set menu)
8. EXIT (Exit menu)
9. WSAD (Scroll Bar adjustment)

#### Menu

*(When at the remote control receiver, press the MENU button on the remote control pop under this interface)*

#### Display

1. Brightness: Adjust the brightness of image (Note: default adjustable brightness)
2. Contrast: Adjust the contrast ratio of image
3. Gamma: Adjustable image slash output value and the relationship between the input value

#### Image

1. Phase: Adjust the signal waveform change measure
2. Clock: Adjustable internal oscillation frequency, change the vertical disturbance, interference occurs when the screen needs to be set
3. H Position: Row position adjustable overall picture
4. V Position: Field position adjustable overall picture

## Section 11: Operating Instructions

### Color

1. Color temperature: adjustable light source color scale
2. Red: the proportion of adjustable color red in the picture
3. Green: the ratio of the screen to adjust the color green in
4. Blue: adjust the color blue proportion in the picture

### OSD

1. Horizontal : horizontal position adjustable screen
2. Vertical : Adjust the screen position in the vertical direction
3. Transparency: Transparency adjustable menu is displayed
4. OSD Time out: Adjustable menu disappears Time

### Setup

1. Language: Adjustable menu display language
2. Mute: Adjustable to play Silent Screen
3. Input: Signal source adjustable screen (do not change the default, board automatic identification)
4. DCR : Dynamic Contrast, You can adjust the display time
5. Display Ratio: Adjustable overall picture aspect ratio

### Reset

Restores board factory settings

## Section 12: FAQ and Solutions

### 13.1 No screen signal

Check the main power switch is closed? Socket switch is closed, and the indicator light is on?

### 13.2 There is signal, but partial display.

Use the remote control, press the "MENU" - "SETTING" - "ADJUST" to adjust image automatically.

### 13.3 With images but no sound

Check the audio cable is plugged in the PC audio output interface correctly? Or the audio cable is loose? Whether remote control is set to mute or the volume is too small? The speaker wiring interface is loose on the AD board? The speaker may be damaged if all listed are OK.

### 13.4 With sound but no image

Check the video signal cable is connected correctly and fixed? Try remote operation to see if there is image? Whether signal source is correctly selected? No problem, then the AD board may be damaged.

### 13.5 Can't use the remote control

Check whether the remote control has battery? Remote control aligns with remote sensor? Whether the wiring connection to AD board is loose? If no problems, the remote sensor or the AD board might be damaged.

### 13.6 Black screen after running for some time

Check whether air conditioner is in working condition? Or the internal temperature is too high? If air conditioner stops cooling, then need to replace the air conditioner

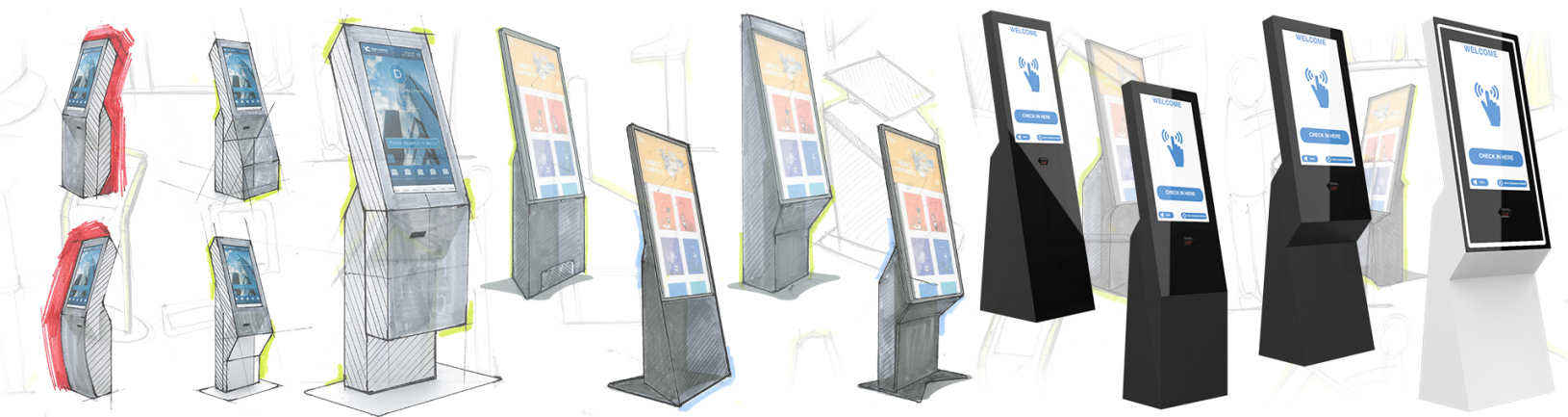
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## About Meridian

### ABOUT MERIDIAN KIOSKS

# FROM CONCEPT TO COMPLETION

Meridian is a self-service industry pioneer, leading in innovation and precision since being founded in 1999. A fully integrated manufacturer, Meridian designs, engineers, fabricates, assembles, deploys and supports self-service solutions from its 13-acre headquarters in North Carolina. Meridian is an ISO 9001:2008 certified company and UL self-certify facility. With processes from software development to powder coating to quality control completed in house, Meridian proudly offers American-made interactive kiosks to a global marketplace.



### Corporate Headquarters Aberdeen, North Carolina

Your self-service solution is available globally; engineered, designed and manufactured from our corporate headquarters in North Carolina, USA and can be shipped globally to the designated deployment locations in your country.

### Software Development Lab Mississauga, Ontario, Canada

Our software development team maintains a fundamental business strategy of creating products with unsurpassed design excellence, innovative functionality and durability. Meridian has a history of applying innovative technologies to develop specialty products.

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