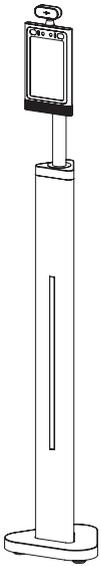
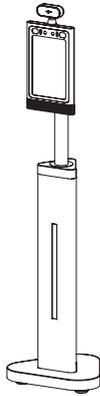


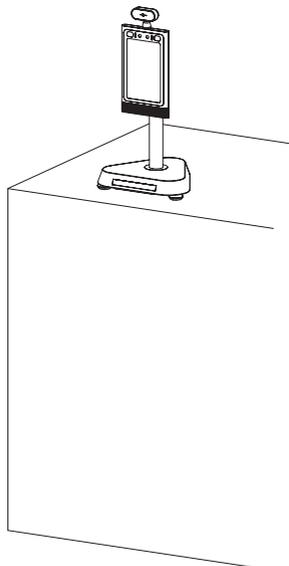
iDISPLAY™ THERMOMETER



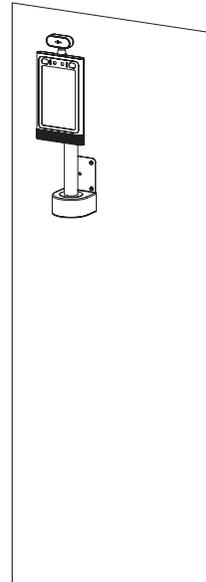
Adult Height



Child Height



Counter Height



Wall Mount (Optional)

User Manual

Table of Contents

Important Notices	2
Copyright Information	2
Safety and Warning Information	3
Package Contents	4
Adult Height.....	4
Child Height	5
Counter Height	6
Product Diagram	7
Adult Height.....	7
Child Height	9
Counter Height	10
Operational environment	11
Specifications For Temperature Measurements	12
Installation Instructions-Adult and Child Height	13
Operating Instruction	16
How to change Unit of Temperature.....	16
Custom Alarm Activation Temperature.....	18
Face Registration - Single Registration.....	19
Face Registration_Batch Import.....	22
Face Registration - Deleting Registrants.....	25
Stranger Mode	26
Mask Mode.....	28
Add company name	29
Set or change the password for the Settings section	30
Connecting Printer.....	32
How to export the attendance record.....	34
How to connect to Access Control System	35
Pedestal Adult and Child change to Wall mount	37
Installation Instructions - Counter	41
Counter change to Wall mount	44
Installation Instructions - Wall mount	47
How to upgrade the APK	50
Make sure the device connect to the internet	50
Checking for updates	53
Troubleshooting Guide	54

Important Notices

Copyright Information

Copyright © 2020 Outform. All rights reserved.

All intellectual property rights in this publication are owned by Outform and protected by applicable copyright laws and international treaty provisions. Outform retains all rights not expressly granted. No part of this publication may be reproduced in any form whatsoever or used to make any derivative work without prior written approval by Outform.

Outform reserves the right to revise this publication, and/or make improvements or changes in the product(s) and/or the program(s) described in this documentation at any time without prior notice. The information in this document is provided in good faith, but without any representation or warranty whatsoever, whether it is accurate, or complete or otherwise, and on express understanding that Outform shall have no liability whatsoever to other parties in any way arising from or relating to the information or its use.

All other trademarks are the property of their respective owners. Other company and brand products and service names are trademarks or registered trademarks of their respective holders.

This device complies with CE regulation.



Safety and Warning Information

NOTE

- Ⓒ This mark is applied to indicate that the equipment conforms to European safety and electro-magnetic compatibility standards.

WARNING!

- ⚠ Main Supply: This equipment is designed to operate from a 100-240 Volt, 50/60Hz AC power supply. The use of other power sources may damage this equipment. Check that the voltage marked on the rating plate located at the rear of the power adaptor states 100-240V. The manufacturer will NOT accept responsibility or damage or injury caused by connecting to the wrong voltage.

WARNING!

- ⚠ Main Adaptor: The supplied power adaptor is compatible with a standard main socket. If the power adaptor or lead gets damaged, it must be replaced by a qualified service agent with an approved adaptor of the same type and rating.

WARNING!

- ⚠ Dangerous voltage constituting a risk of electric shock is present inside this equipment.

WARNINGS!

- ⚠ The main plug shall be the main disconnect device and shall remain operable at all times.

Do not push objects into holes and ventilation slots.

Do not expose this product to moisture or place any objects filled with liquids on or near the product.

Do not place a naked flame source, such as lighted candles, on or near this product.

Do not store or operate the device in environments where the temperature is above 50 degrees celsius or below -10 degrees celsius.

Do not intentionally hit the device or place heavy or sharp objects on the device.

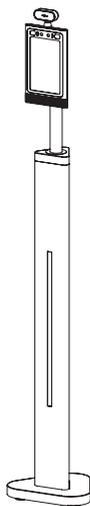
Only use accessories specified by the manufacturer.

Keep the device away from benzene, diluents, and other chemicals.

Do not attempt to repair this product yourself. Always use a qualified service agent to perform adjustments or repairs.

Package Contents

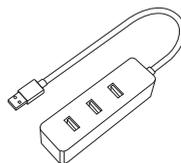
Adult Height



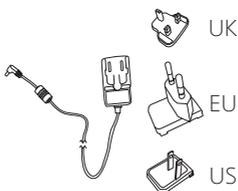
Adult Thermometer Stand



Mini mouse



USB Hub



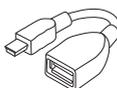
3M long PSU with different region plugs



Reflective floor sticker x4pcs

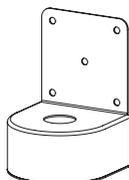


Screwdriver



Mini USB To USB Cable

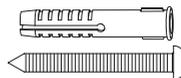
Optional:



Wall bracket



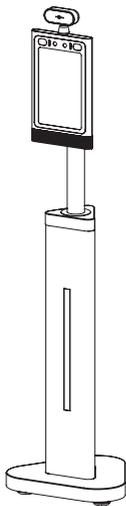
M3 Screw x3pcs



Self-tapping screw and expansion screw x6pcs

Package Contents

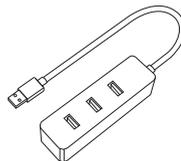
Child Height



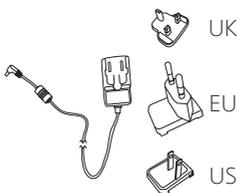
Child Thermometer Stand



Mini mouse



USB Hub



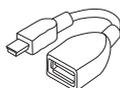
3M long PSU with different region plugs



Reflective floor sticker x4pcs



Screwdriver



Mini USB To USB Cable

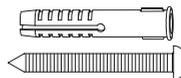
Optional:



Wall bracket



M3 Screw x3pcs



Self-tapping screw and expansion screw x6pcs

Package Contents

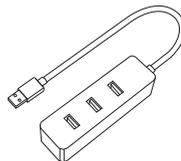
Counter Height



Counter Thermometer Stand



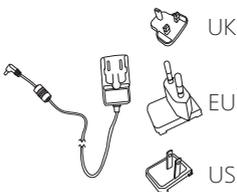
Mini mouse



USB Hub



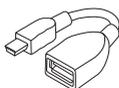
Screwdriver



3M long PSU with different region plugs



Reflective floor sticker x4pcs



Mini USB To USB Cable

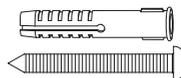
Optional



Wall bracket



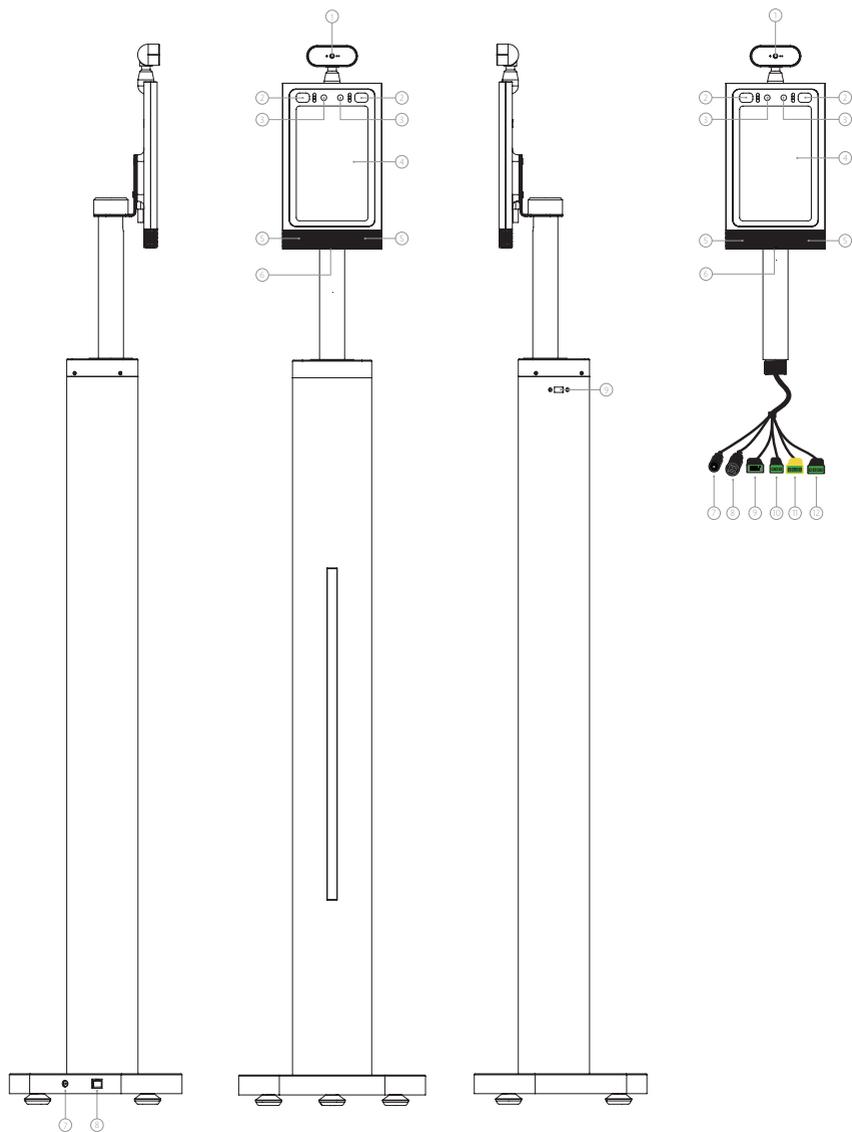
M3 Screw x3pcs



Self-tapping screw and expansion screw x6pcs

Product Diagram

Adult Height



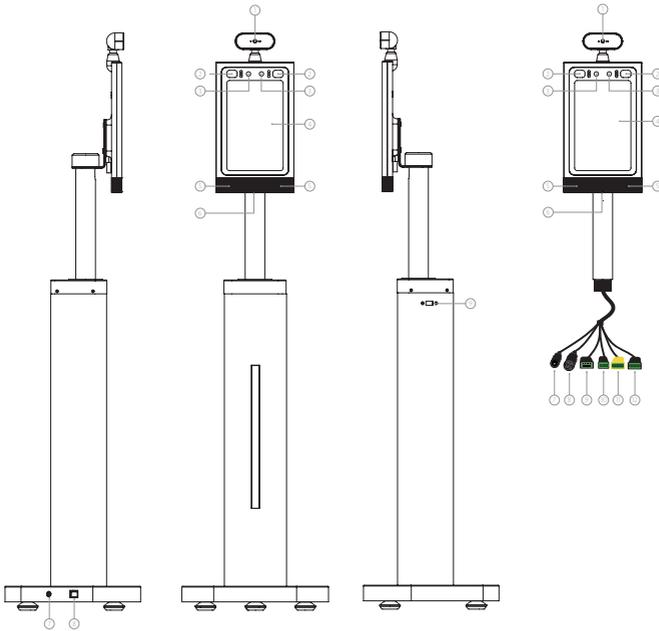
Product Diagram

No.	Description
1	Infrared temperature measurement module
2	Indicator light with White/Green/Red three modes
3	Wide dynamic camera
4	8 inch IPS screen
5	Speaker
6	Hidden USB interface
7	DC 12V 2A
8	RJ45
9	USB 2.0
*10	Relay
*11	Wiegand OUT
*12	Wiegand IN

Note: Items marked with * use cables for the Access Control System. Check details on in the “How to connect to Access Control System” section on pages 35-36.

Product Diagram

Child Height

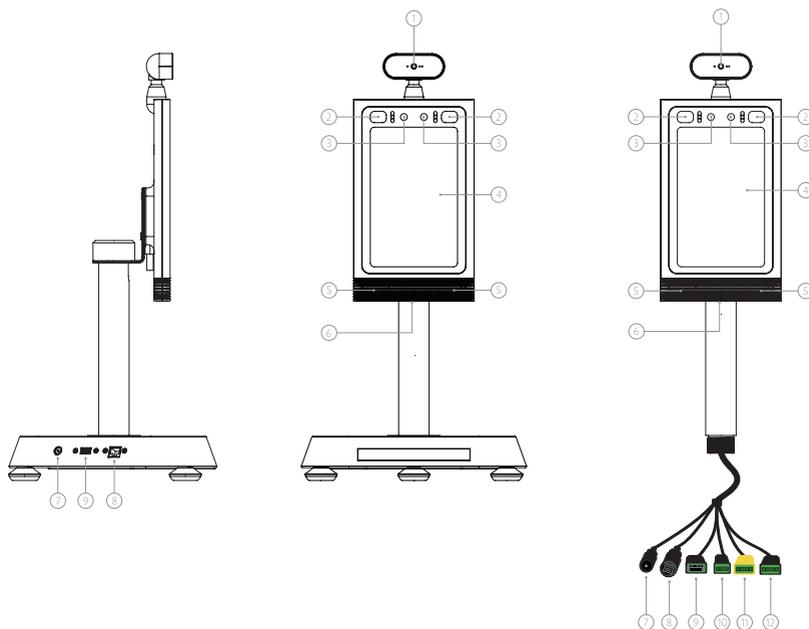


No.	Description
1	Infrared temperature measurement module
2	Indicator light, has White/Green/Red three modes
3	Wide dynamic camera
4	8 inch IPS screen
5	Speaker
6	Hidden USB interface
7	DC 12V 2A
8	RJ45
9	USB 2.0
*10	Relay
*11	Wiegand OUT
*12	Wiegand IN

Note: Items marked with * use cables for the Access Control System. Check details on in the “How to connect to Access Control System” section on pages 35-36.

Product Diagram

Counter Height

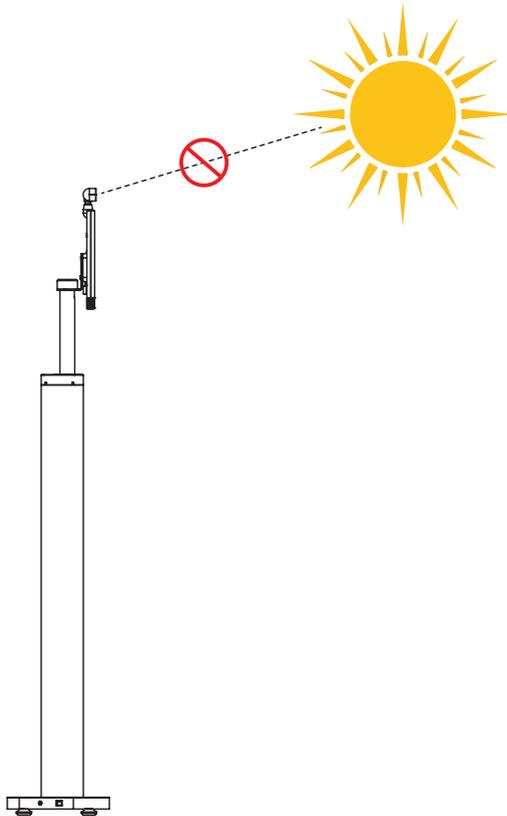


No.	Description
1	Infrared temperature measurement module
2	Indicator light, has White/Green/Red three modes
3	Wide dynamic camera
4	8 inch IPS screen
5	Speaker
6	Hidden USB interface
7	DC 12V 2A
8	RJ45
9	USB 2.0
*10	Relay
*11	Wiegand OUT
*12	Wiegand IN

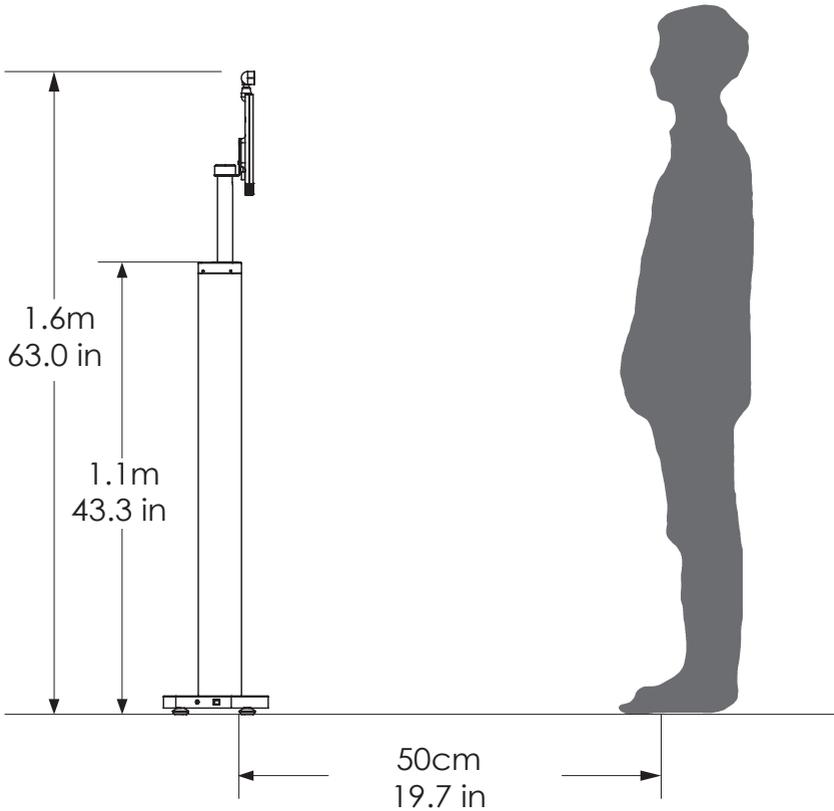
Note: Items marked with * use cables for the Access Control System. Check details on in the "How to connect to Access Control System" section on pages 35-36.

Operational environment

Important Note: It is not advisable to have the iDISPLAY Thermometer in direct sunlight as this could adversely affect the accuracy of the temperature readings. It is also not advisable to put the iDISPLAY Thermometer outside, unless it is covered and protected from sunlight.



Specifications For Temperature Measurements



Thermometric distance

The temperature measurement distance of infrared temperature sensor to the target is: 40cm ~ 80cm.



Accuracy of temperature measurement

Temperature measurement accuracy of infrared temperature sensor to temperature measurement target: $\pm 0.2^{\circ}\text{C}$.

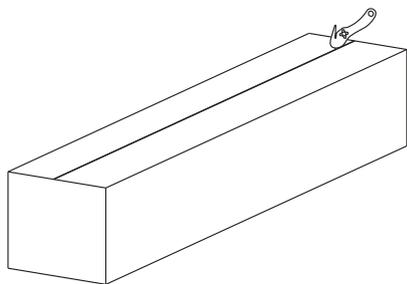


Operation Condition

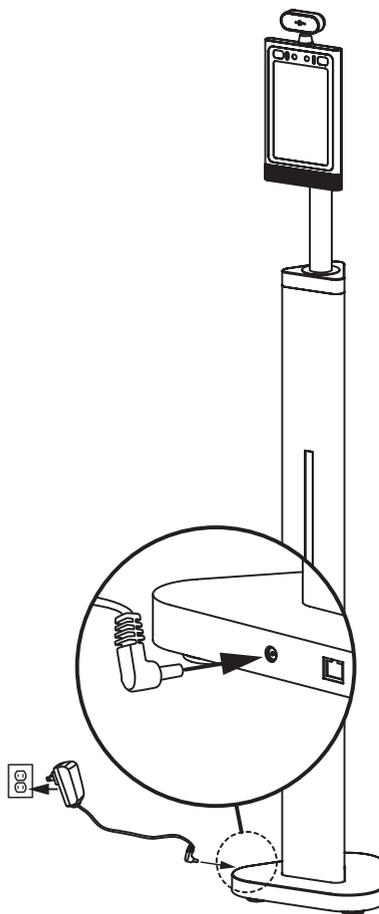
Please avoid exposure to direct sunlight.

Installation Instructions-Adult and Child Height

Step 1. Carefully open the package using a box cutter. Take out the Thermometer and all the accessories.

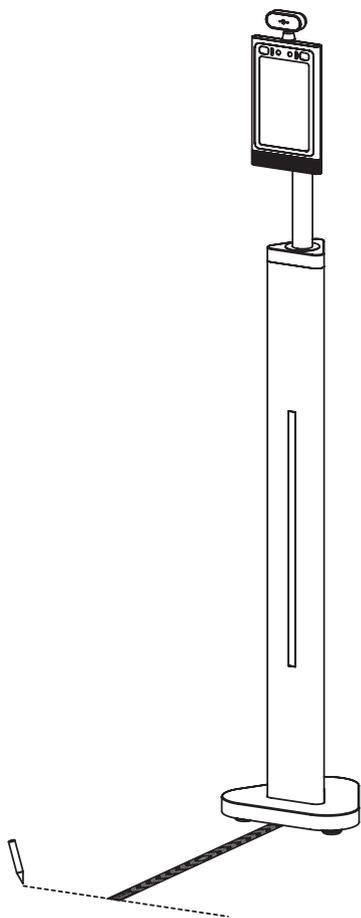


Step 2. Connect the power cable to the thermometer and power socket.

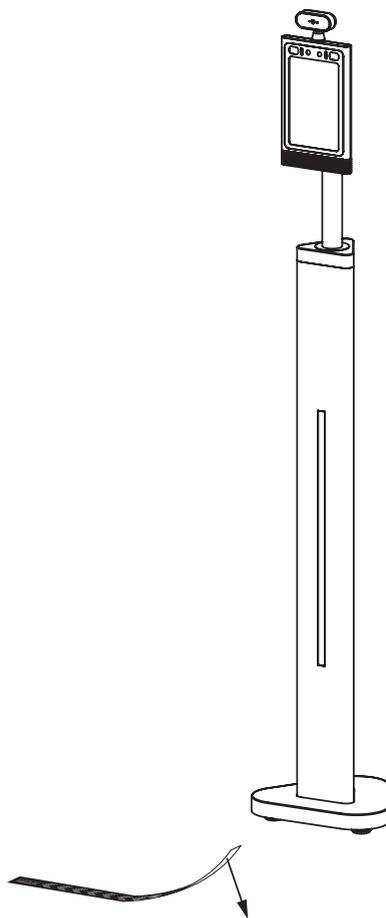


Installation Instructions-Adult and Child Height

Step 3. Use the reflective sticker to measure the correct standing distance from the thermometer, as pictured below. Use a pen to draw a straight line about 50 centimeters (1.97in) long.



Step 4. Using the line drawn in step 3 as a guide, remove the protective film on the backside of the reflective sticker, and place the adhesive side on the floor.



Installation Instructions-Adult and Child Height

Step 5. The thermometer will be running automatically. To have their temperature read, a person will need to stand 40-75cm (1.3.-2.5ft) away from the screen. If the temperature reading is normal, the thermometer will indicate this with an alarm stating "Temperature Normal" as well as a green color on the screen with a green dot on the forehead.

Step 6. When the temperature exceeds 37.7C(99.86F), the thermometer will indicate this with an alarm stating "Temperature Error" as well as a red color on the screen with a red dot on the forehead.



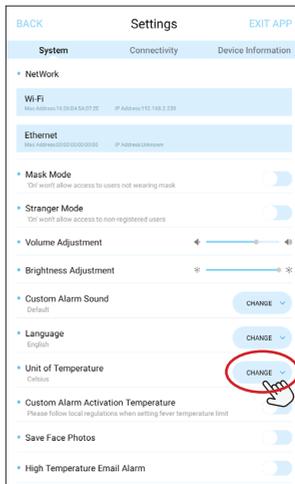
Operating Instruction

How to change Unit of Temperature

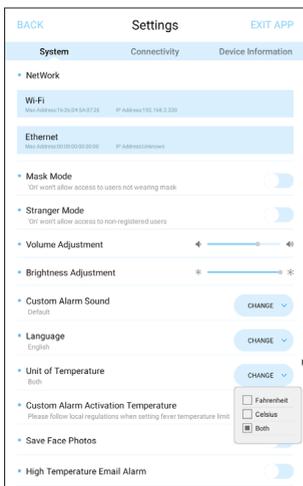
Step 1. Click the upper-left hand corner to open the APK Settings section.



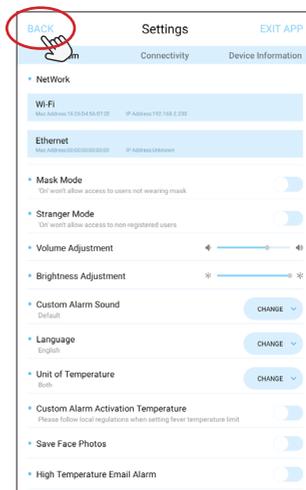
Step 2. Next to "Unit of Temperature" select "CHANGE".



Step 3. Celsius and Fahrenheit are available. Select the one that you want or select both. For example select "Both".



Step 4. Click "BACK" to check if the unit of temperature has changed.



Operating Instruction

Step 5. The unit of temperature is changed to both.



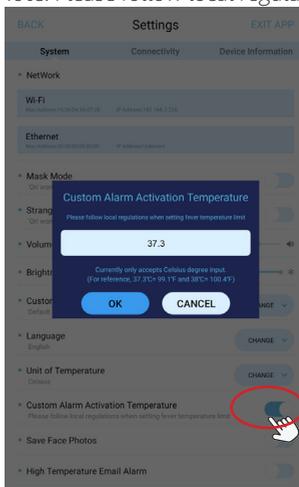
Operating Instruction

Custom Alarm Activation Temperature

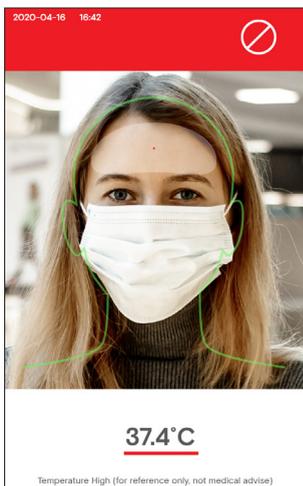
Step 1. Click the upper-left hand corner to open the APK Settings section.



Step 2. Turn on “Custom Alarm Activation Temperature” option. A pop-up will appear with the temperature input box. Note: Please follow local regulations.



Step 3. When the temperature exceeds custom value, device will alarm accordingly.

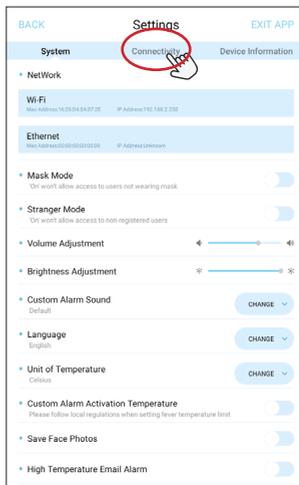


Operating Instruction

Face Registration - Single Registration

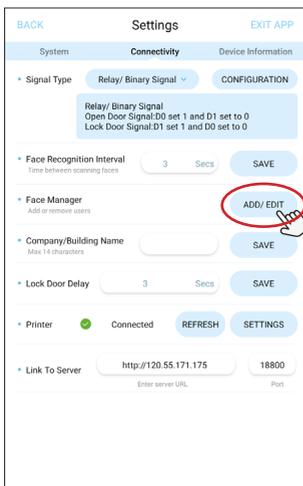
Step 1. Click the upper-left hand corner to open the APK Settings section.

Step 2. Click "Connectivity".



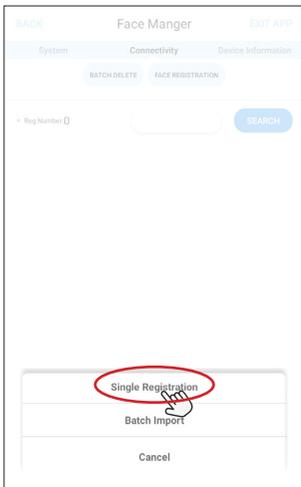
Step 3. On the Connectivity screen, next to "Face Manager" select "ADD/EDIT".

Step 4. On the Face Manager screen, select "FACE REGISTRATION".

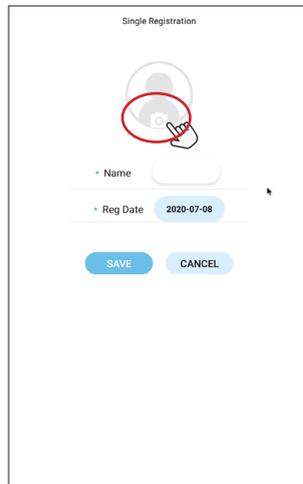


Operating Instruction

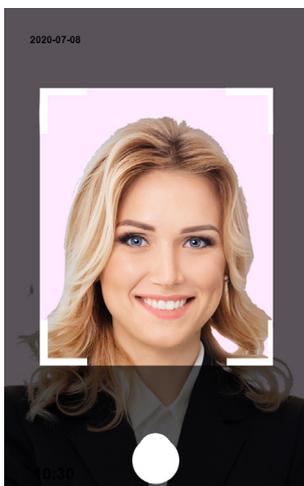
Step 5. Select "Single Registration".



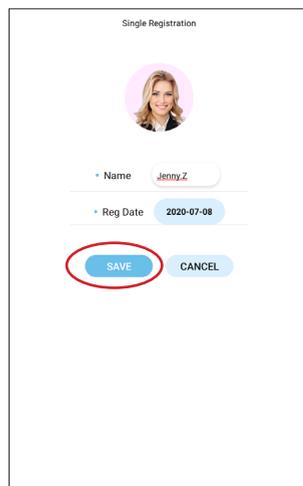
Step 6. On the Single Registration screen, select the photo icon to take a photo.



Step 7. Make sure the person is positioned in the center and is not wearing a mask.

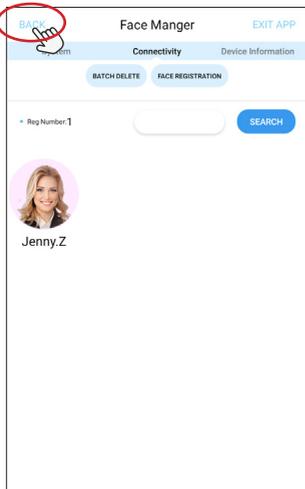


Step 8. In the "Name" field, add the name. Click "SAVE".

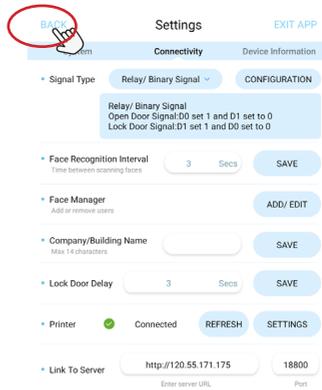


Operating Instruction

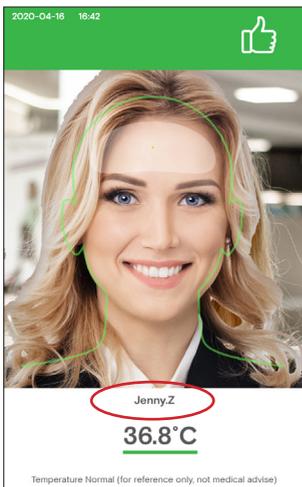
Step 9. You will be directed back to the Face Manager section. Select “BACK” on the upper left-hand corner.



Step 10. Select “BACK” again on the upper left-hand corner.



Step 11. When the registered person has their temperature taken, the screen will display their information.

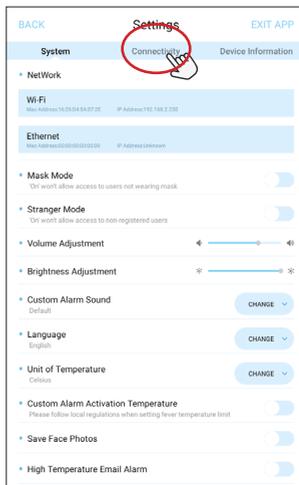


Operating Instruction

Face Registration_Batch Import

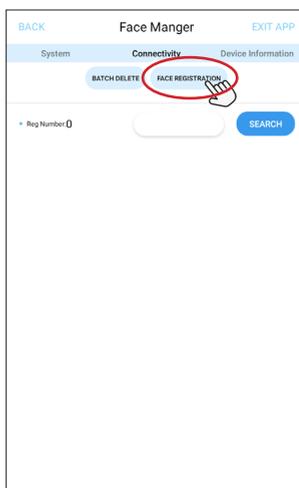
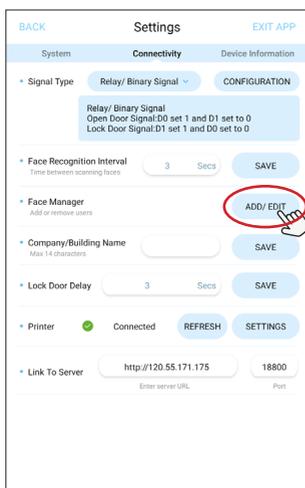
Step 1. Click the upper-left hand corner to open the APK Settings section.

Step 2. Click "Connectivity".



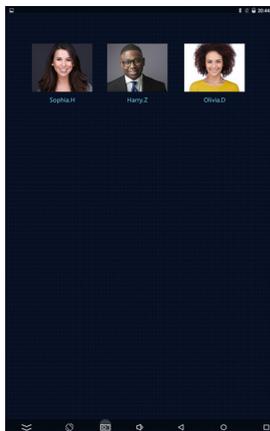
Step 3. On the Connectivity section, next to Face Manager select "ADD/EDIT".

Step 4. On the Face Manager section, select "FACE REGISTRATION".



Operating Instruction

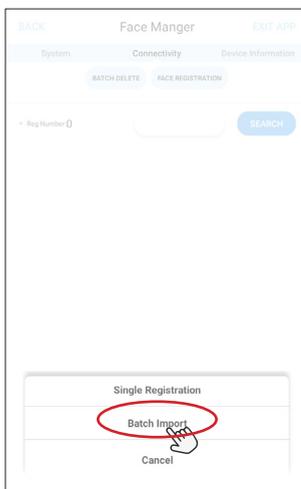
Step 5. Insert a USB disk containing the registrants' photos into the USB port. The photos should be frontal view, in .png or .jpg format, with a minimum resolution of 640*480. The registrants' names should be used as the file names.



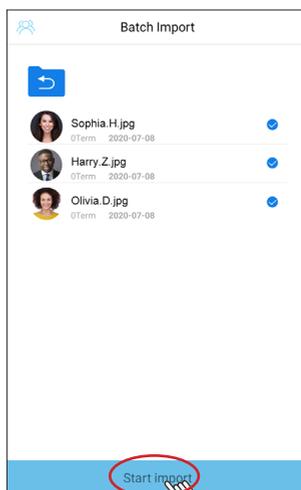
Step 7. Select the inserted USB disk in step 5.



Step 6. Select "Batch Import".

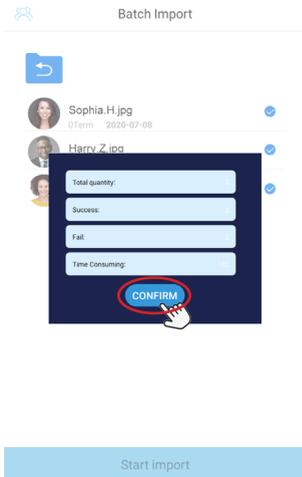


Step 8. Select the registrants you would like to import, then select "Start Import".



Operating Instruction

Step 9. Once all the information is important, click “CONFIRM” to finish the process.

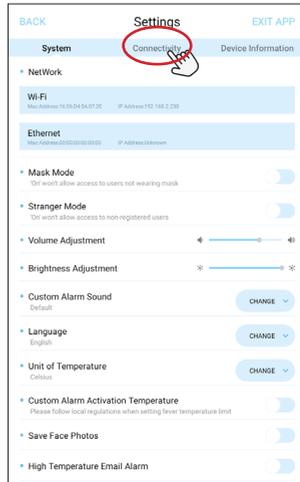


Operating Instruction

Face Registration - Deleting Registrants

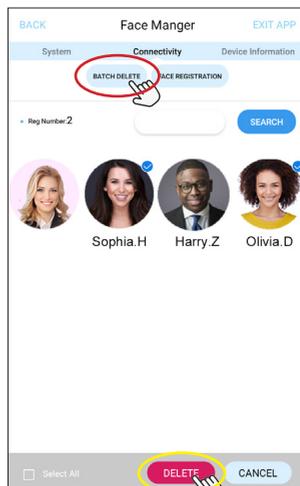
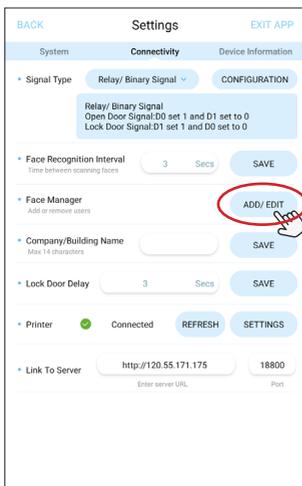
Step 1. Click the upper-left hand corner to open the APK Settings section.

Step 2. Click "Connectivity".



Step 3. On the Settings section, next to Face Manager select "ADD/EDIT".

Step 4. Select "BATCH DELETE", then select the registrants you wish to delete. Select "DELETE" to delete the selected registrants.



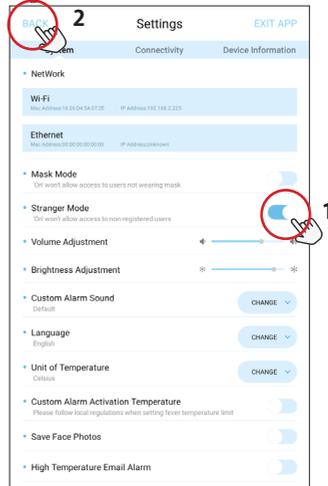
Operating Instruction

Stranger Mode

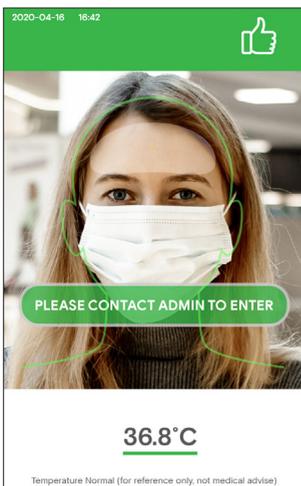
Step 1. Click the upper-left hand corner to open the APK Settings section.



Step 2. Turn on “Stranger Mode”, then select “BACK” in the upper-left hand corner to return to the temperature scanning screen.



Step 3. When the temperature is normal, a note on the screen will appear: “PLEASE CONTACT ADMIN TO ENTER”.



Step 4. If another person needs to be registered, refer to the “Face Registration” section on pages 19-21.

Operating Instruction

Step 5. When the temperature is abnormal, a red color will appear and an alarm will sound for 3 seconds.



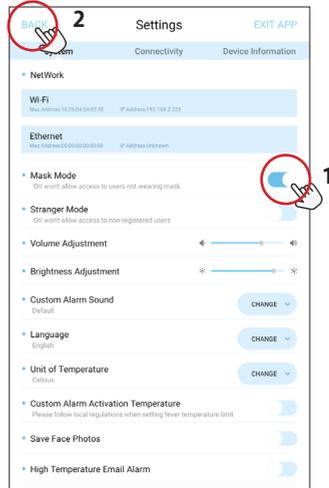
Operating Instruction

Mask Mode

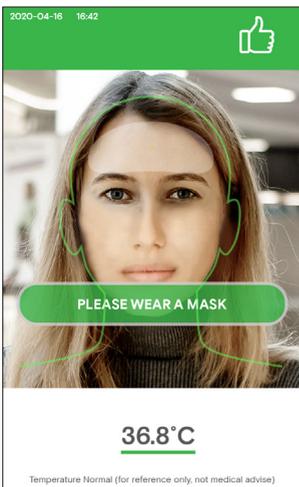
Step 1. Click the upper-left hand corner to open the APK Settings section.



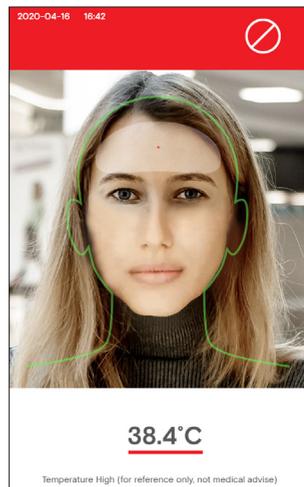
Step 2. Turn on “Mask Mode” then select “BACK” in the upper-left hand corner to return to the temperature scanning screen.



Step 3. When the temperature is normal, a note on the screen will appear: “PLEASE WEAR A MASK”.



Step 4. When the temperature is abnormal, a red color will appear and an alarm will sound for 3 seconds.

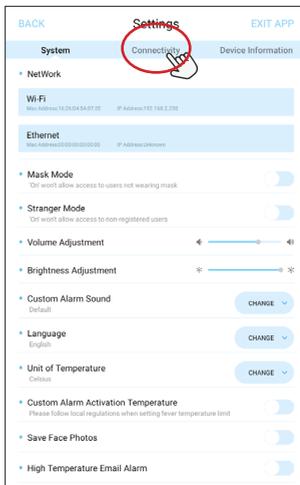


Operating Instruction

Add company name

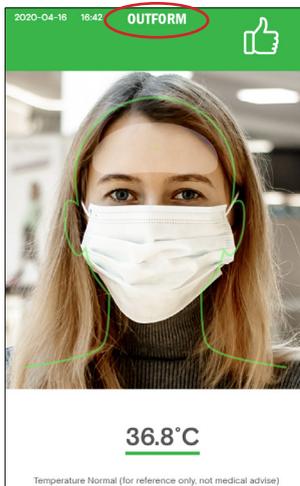
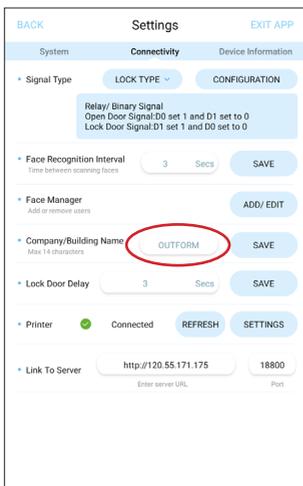
Step 1. Click the upper-left hand corner to open the APK Settings section.

Step 2. Click "Connectivity".



Step 3. On the Connectivity section, in the "Company/Building Name" field add your company name.

Step 4. The company name will appear on top of the temperature scanning screen.



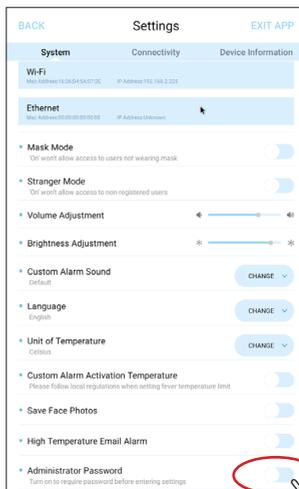
Operating Instruction

Set or change the password for the Settings section

Step 1. Click the upper-left hand corner to open the APK Settings section.

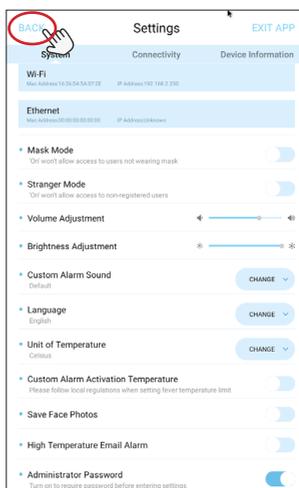


Step 2. Turn on "Administrative Password" to set a password for the Settings section.



Step 3. Enter a password in the "New Password" field. Note: The password must be a minimum of 6 character consisting of letters and/or numbers. Enter the same password in the "Confirm" field. Select "CONFIRM" to set the password. To change the password, follow the same process.

Step 4. Select "BACK" in the upper-left hand corner to return to the temperature scanning screen.



Operating Instruction

Step 5. Click the upper-left hand corner to open the APK Settings section.



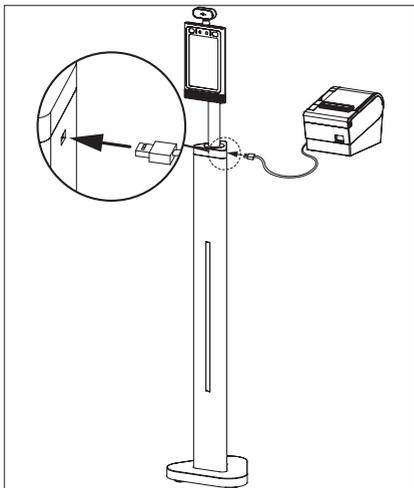
Step 6. Enter the password that was set in Step 4. Select "CONFIRM" to enter the Settings section. Note: If the password is forgotten, enter "000000" as the password.



Operating Instruction

Connecting Printer

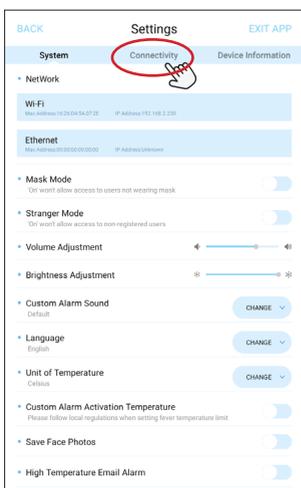
Step 1. Connect the printer provided by OUTFORM to the device with a USB port.



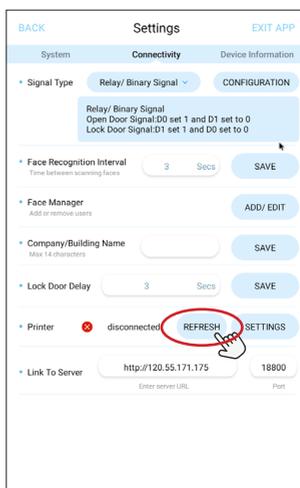
Step 2. Click the upper-left hand corner to open the APK Settings section.



Step 3. Click "Connectivity".

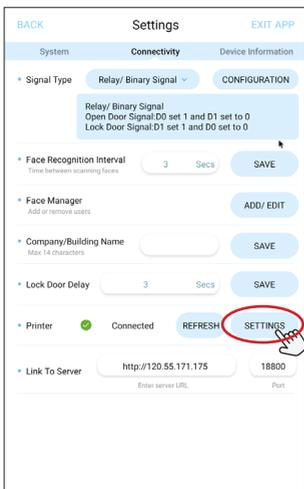


Step 4. Select "REFRESH" to connect to the printer.

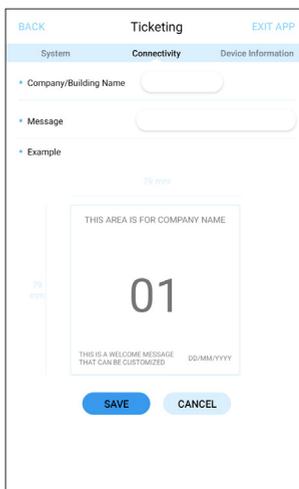


Operating Instruction

Step 5. The printer is now connected. Select "SETTINGS" to customize the content on the printer label.



Step 6. Enter your company name and a custom message. Below you will see an example of the label.



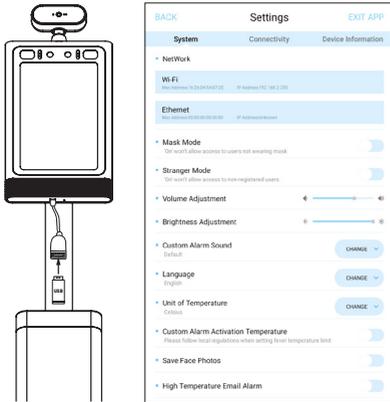
Step 7. When someone has their temperature taken, a label will be printed with your custom message and a number.



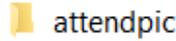
Operating Instruction

How to export the attendance record

Step 1. Insert the head of the mini USB transfer cable into the mini USB port on the bottom of the screen, connect USB disk to USB transfer cable. The attendance record data would be copied from device to USB disk automatically.



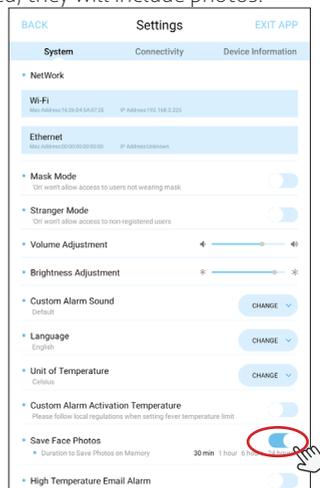
Step 2. The USB disk will create a folder named "attendpic", which will contain a Excel file with every single record of the people who got their temperatures taken, including: Name, Sex, Temperature, Time, Picture (Picture is optional - the default setting for this is OFF"). **Note:** The records in the device will be deleted immediately once exported to the USB disk. Please refer to the next two steps to turn on the "Save Face Photo" option.



Step 3. If there are special requirements needed to take a photo of the person getting their temperature measured, select the upper left-hand corner to open the APK Settings section.



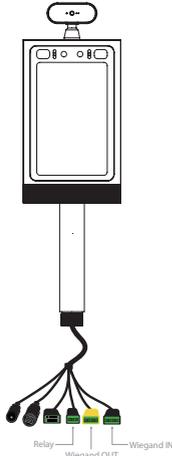
Step 4. On the Settings section, turn on "Save Face Photos". You can select different memory times: 30 min, 1 hour, 6 hours, or 24 hours. After the records are copied, they will include photos.



Operating Instruction

How to connect to Access Control System

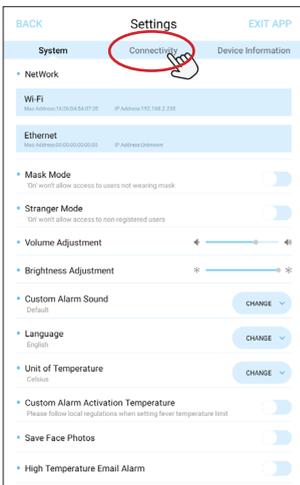
Step 1. There are three cables for Access Control: 1 Relay cable, 1 Wiegand OUT cable, 1 Wiegand IN cable. Connect the cable that matches to your Access Control System.



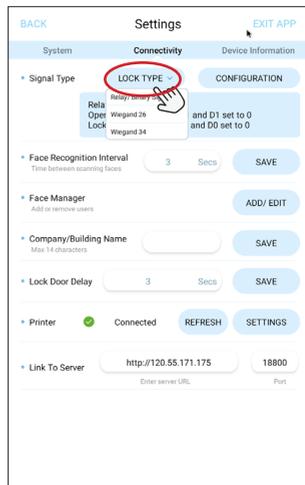
Step 2. Click the upper-left hand corner to open the APK Settings section.



Step 3. Select "Connectivity".

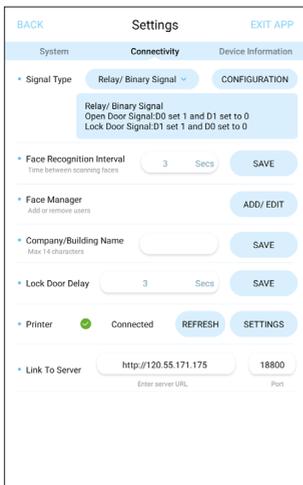


Step 4. Next to "Signal Type" select "LOCK TYPE" to choose the one which matches your system: Relay/Binary Signal, Wiegand 26, or Wiegand 34.

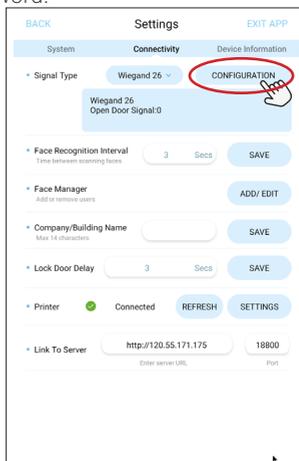


Operating Instruction

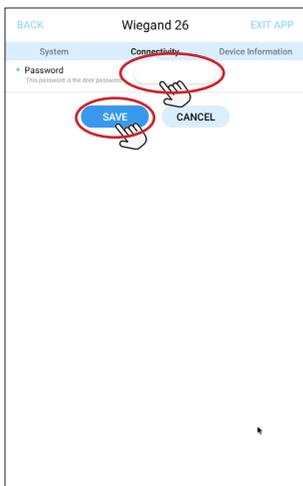
Step 5. If your door system is Relay, choose "Relay/Binary Signal". The process is now complete.



Step 6. If your door system is Wiegand, select "Wiegand 34" or "Wiegand 26", depending on your system. Select "CONFIGURATION" to put in your password.

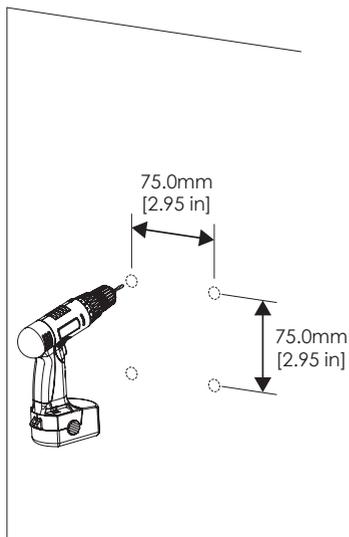


Step 7. Next to the "Password" field, add your password. Select "SAVE". Your iDISPLAY Thermometer is now connected to the Access Control System.

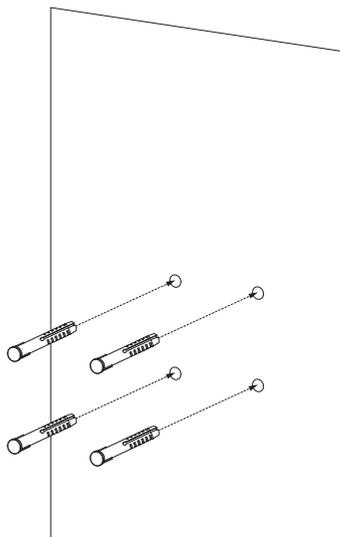


Pedestal Adult and Child change to Wall mount

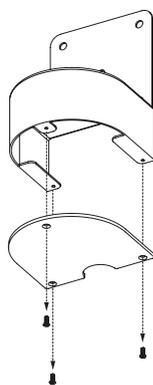
Step 1. Make marks in the wall as shown below, the distance of two holes is 75.0mm (2.95inch). Drill holes by drill.



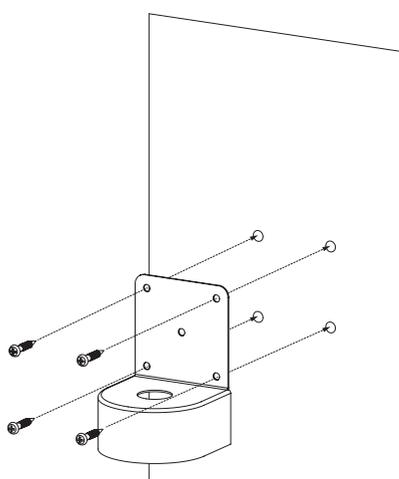
Step 2. Apply expansion screws (x4) to the wall.



Step 3. Release M3 screws (x3) from the bottom of the wall bracket and take out the bottom piece. Put aside to use later.



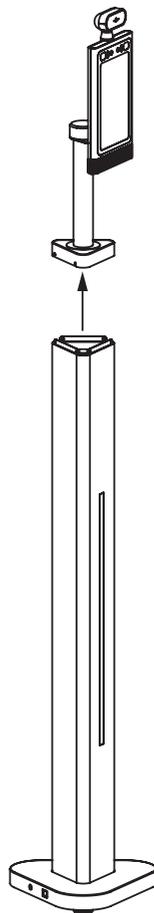
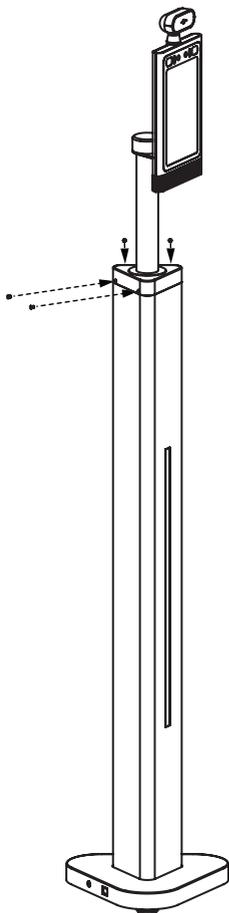
Step 4. Use the self-tapping screws (x4) to tighten the wall bracket to the pre-installed expansion screws in Step 2.



Pedestal Adult and Child change to Wall mount

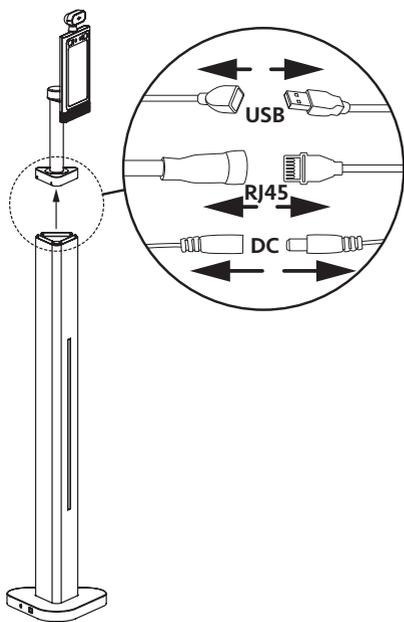
Step 5. Release Cross Screws (x4) from Adult/Child Height top base.

Step 6. Take out the Thermometer with top base.

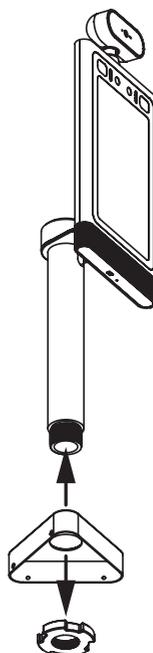


Pedestal Adult and Child change to Wall mount

Step 7. Disconnect the DC, RJ45, and USB cables like shown in the drawing below and take out all the cables from the pedestal.

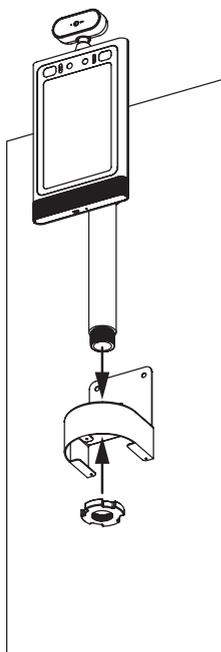


Step 8. Take out the Thermometer by releasing the big nut under top base. Put nut aside to be used in the next step.

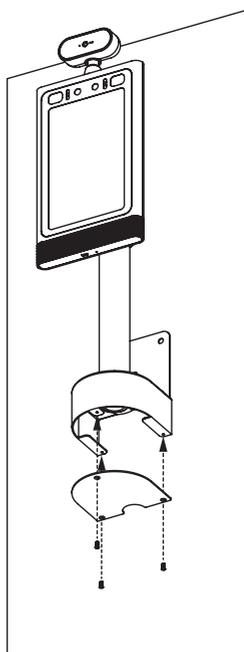


Pedestal Adult and Child change to Wall mount

Step 9. Install the thermometer to the pre-installed wall bracket by tightening the big nut that was removed in the last step.

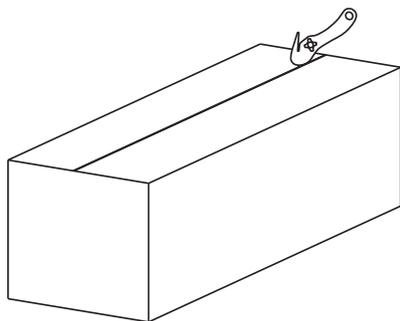


Step 10. Reinstall the M3 screws (x3) that were removed in Step 3 to the bottom bracket piece.

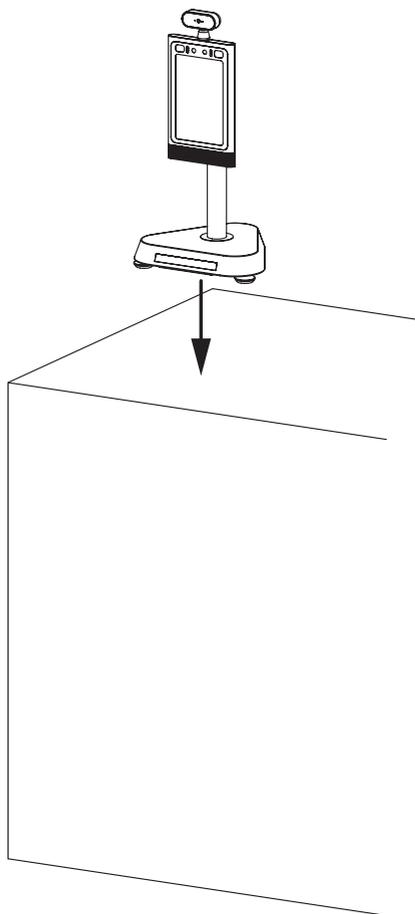


Installation Instructions - Counter

Step 1. Carefully open the package using a box cutter. Take out the Thermometer and all the accessories.

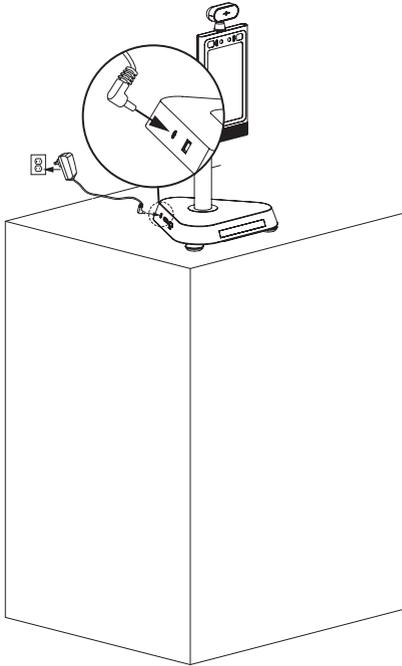


Step 2. Place the Counter Thermometer on the surface in a suitable position, closer to the edge of the surface.

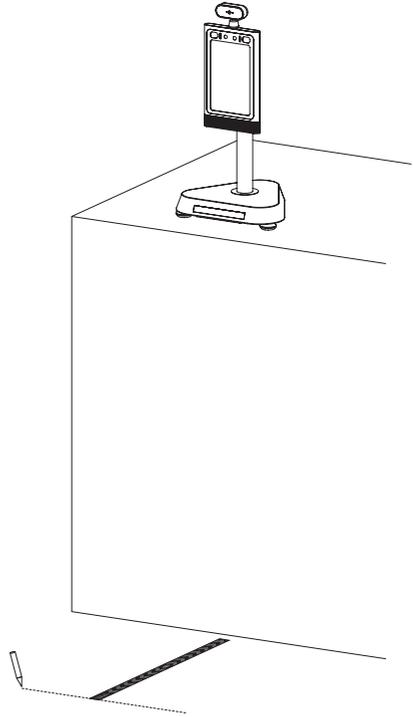


Installation Instructions - Counter

Step 3. Connect the power cable to the thermometer and power socket.

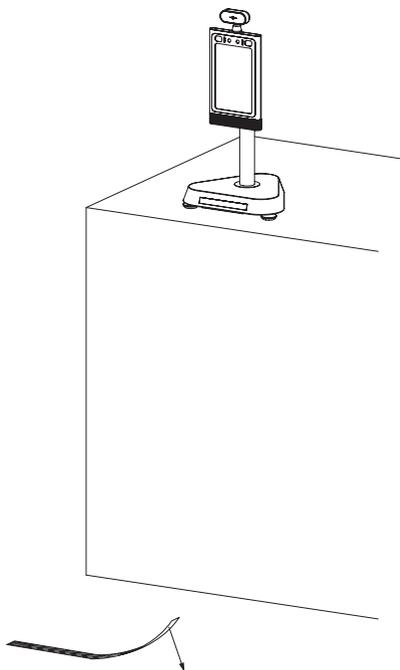


Step 4. Use the reflective sticker to measure the correct standing distance from the front of table, as pictured below. Use a pen to draw a straight line about 50 centimeters (1.97in) long.



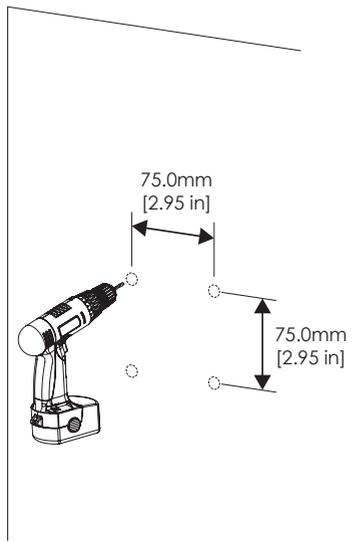
Installation Instructions - Counter

Step 5. Using the line drawn in step 4 as a guide, remove the protective film on the backside of the reflective sticker, and place the adhesive side on the floor. For operating instructions, refer to the **“Getting Started”** section on pages 14-15.

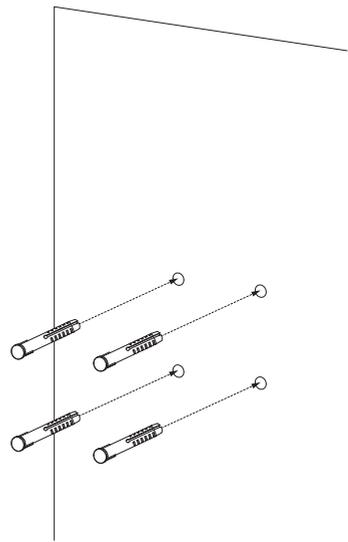


Counter change to Wall mount

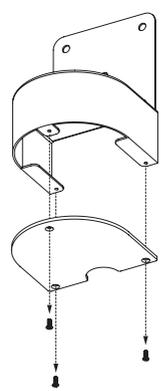
Step 1. Make marks in the wall as shown below, the distance of two holes is 75.0mm (2.95inch). Drill holes by drill.



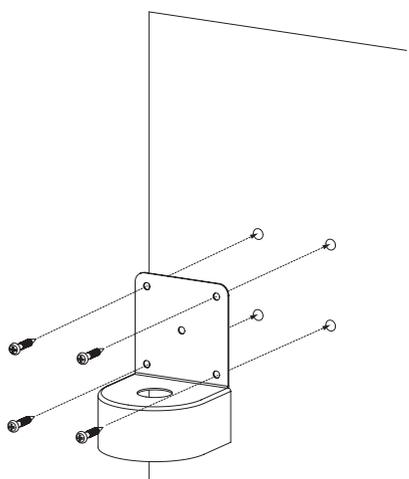
Step 2. Apply expansion screws (x4) to the wall.



Step 3. Release M3 screws (x3) from the bottom of the wall bracket and take out the bottom piece. Put aside to use later.

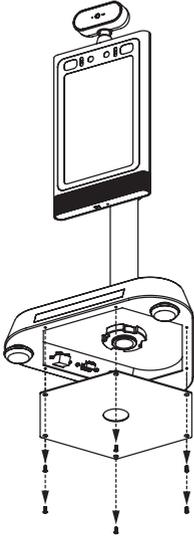


Step 4. Use the self-tapping screws (x4) to tighten the wall bracket to the pre-installed expansion screws in Step 2.

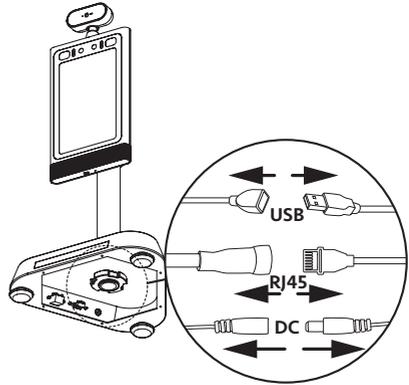


Counter change to Wall mount

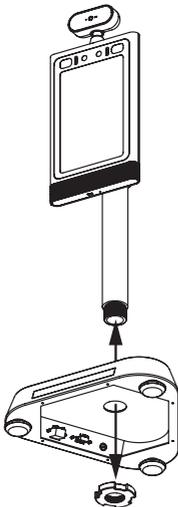
Step 5. Release Cross Screws (x6) from Counter base. Take off the base piece.



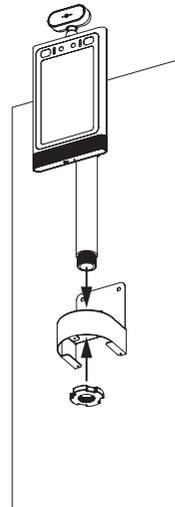
Step 6. Disconnect the DC, RJ45, and USB cables like shown in the drawing below and take out all the cables from the Counter base.



Step 7. Take out the Thermometer by releasing the big nut under base bottom. Put nut aside for using next step.

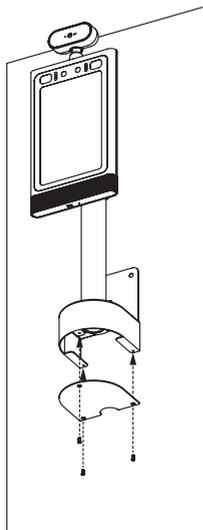


Step 8. Install the thermometer to the pre-installed wall bracket by tightening the big nut that was removed in the last step.



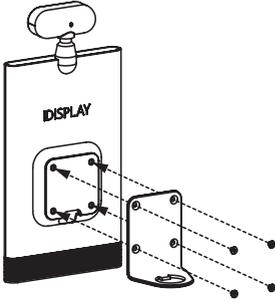
Counter change to Wall mount

Step 9. Reinstall the M3 screws (x3) that were removed in Step 3 to the bottom bracket piece.



Installation Instructions - Wall mount

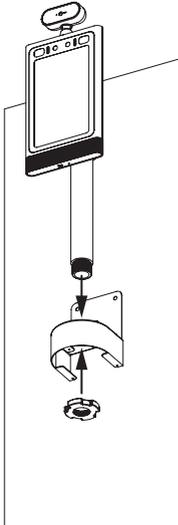
Step 1. If the Wall unit was shipped to you disassembled, install the "L" shaped bracket to the Wall unit with cross screws (x4).



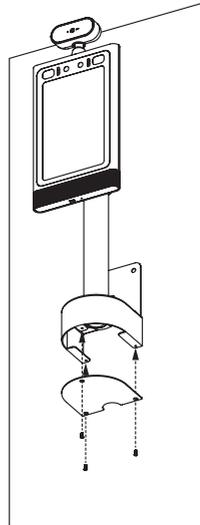
Step 2. Insert the Wall unit onto the aluminum tube with nut cap.



Step 3. Install Thermometer to pre-installed wall bracket by tight the big nut that removed from last step.

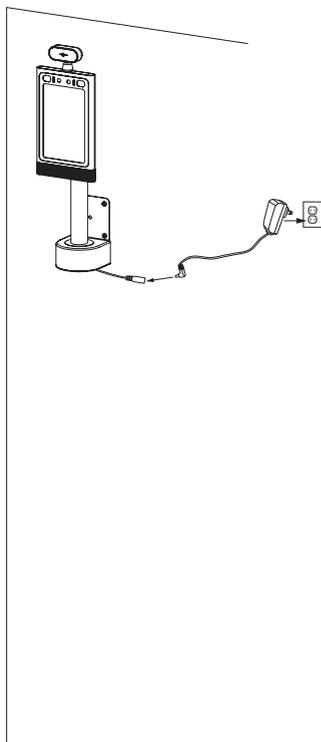


Step 4. Reinstall M3 screws (x3) that removed from step 3 to apply bracket bottom piece.

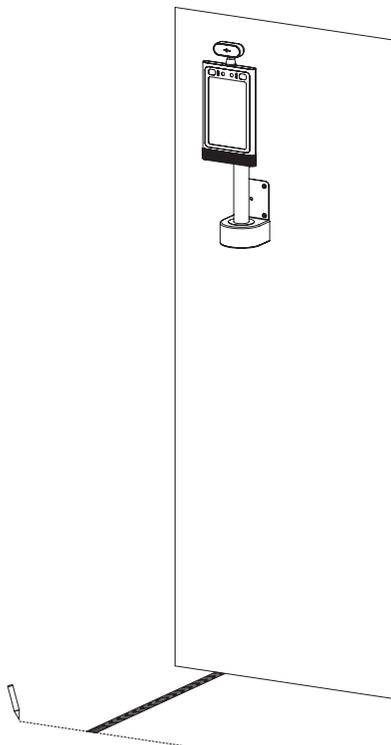


Installation Instructions - Wall mount

Step 5. Connect the power cable to the thermometer and power socket.

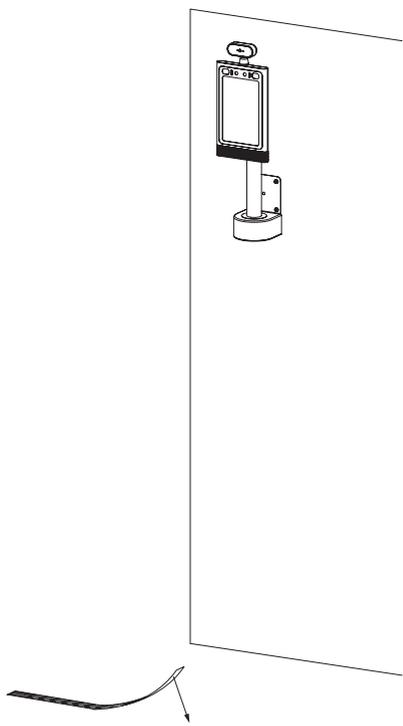


Step 6. Use the reflective sticker to measure the correct standing distance from the front of wall, as pictured below. Use a pen to draw a straight line about 50 centimeters (1.97in) long.



Installation Instructions - Wall mount

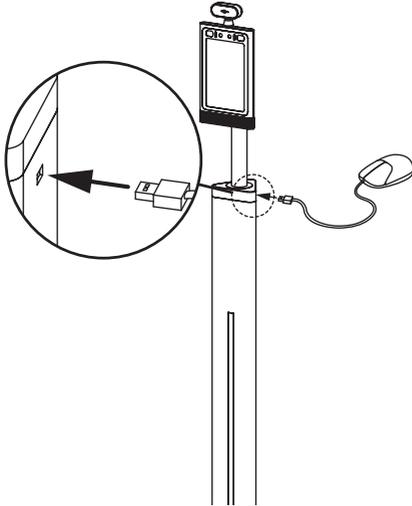
Step 7. Using the line drawn in step 2 as a guide, remove the protective film on the backside of the reflective sticker, and place the adhesive side on the floor. For operating instructions, refer to the **"Getting Started"** section on pages 14-15.



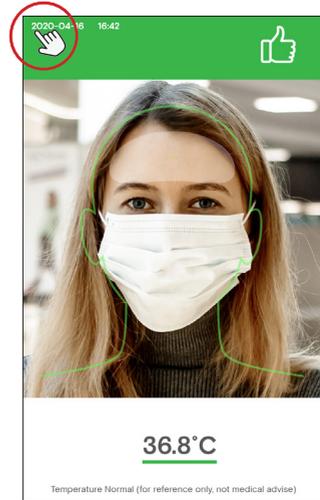
How to upgrade the APK

Make sure the device connect to the internet

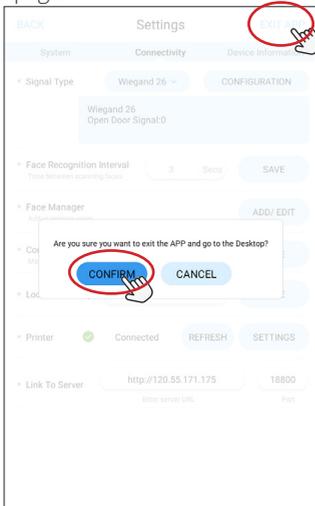
Step 1. Insert the provided mouse into the USB port as depicted in the drawing below.



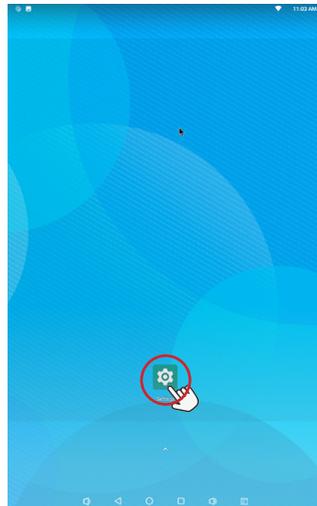
Step 2. Click the upper-left hand corner to open the APK Settings section.



Step 3. In the APK Settings, select "EXIT APP". A message pop-up will appear. Select "CONFIRM" to open the Homepage.

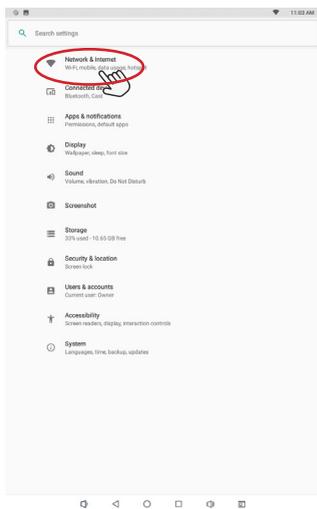


Step 4. To open System Settings on the Homepage, select "Settings".



How to upgrade the APK

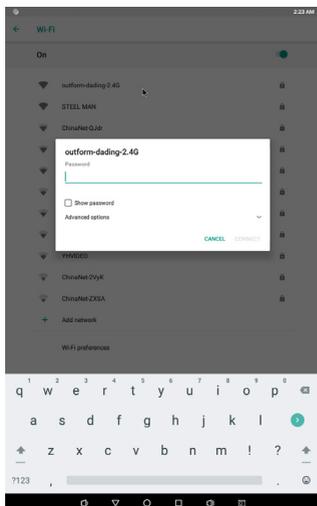
Step 5. Go to "Network & Internet".



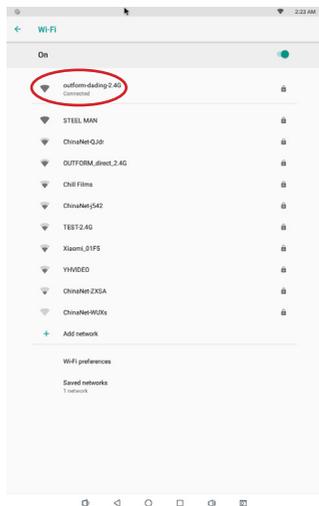
Step 6. Turn on "Wi-Fi" then select your Wi-Fi network.



Step 7. Enter your Wi-Fi password.

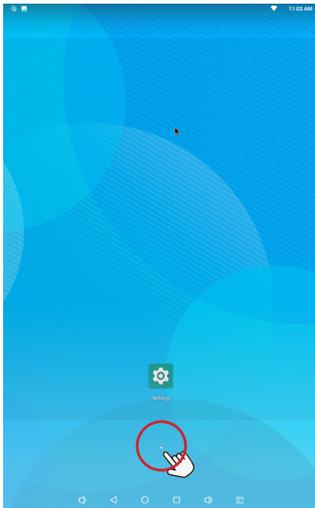


Step 8. The Wi-Fi is now connected.

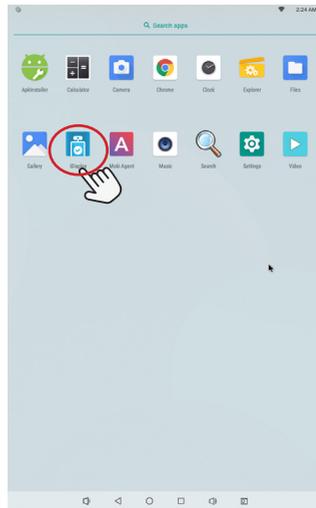


How to upgrade the APK

Step 9. On The Homepage, select the small arrow on the bottom to enter the "Hotseat" section.



Step 10. Select the "iDISPLAY" application in the Hotseat section.



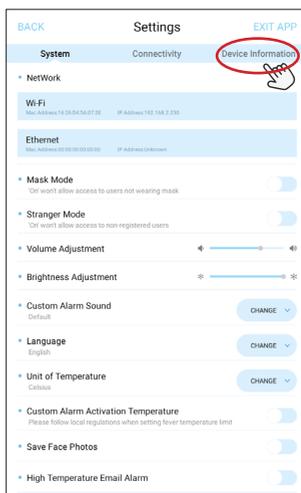
How to upgrade the APK

Checking for updates

Step 1. Click the upper-left hand corner to open the APK Settings section.



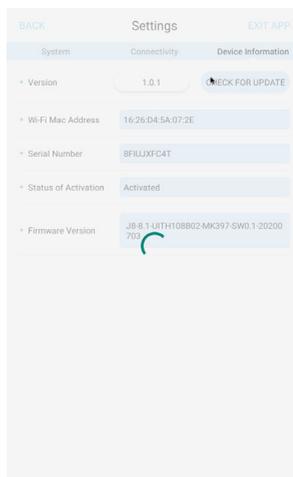
Step 2. Select "Device Information".



Step 3. Select "CHECK FOR UPDATE" to check for a new version.



Step 4. If there is a new version, a message will appear to start download. Wait about 2 minutes - the APK will reinstall itself and go back to the temperature measure section.



Troubleshooting Guide

Problem	Solution
If the screen does not show the APK	1. Go to explorer, click "Wing App" to run; 2. Restart by disconnecting the power and reconnecting power, the APK will run automatically.
If the screen is turned off	Restart by disconnecting the power and reconnecting power.
If the alarm doesn't turn on	1. Restart by disconnecting the power and reconnect power. 2. If this does not resolve the issue, go to the Settings section, find the alarm parameter, and turn on the alarm. 3. If this does not resolve the issue, call the Technical Support phone number or send your product back to OUTFORM.
If the LED light is turned off	Restart by disconnecting the power and reconnecting power.

OUTFORM™

For additional assistance, visit outformsupport.com.