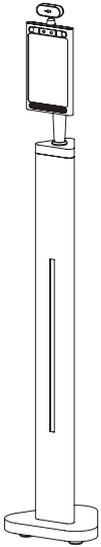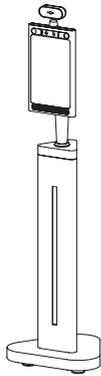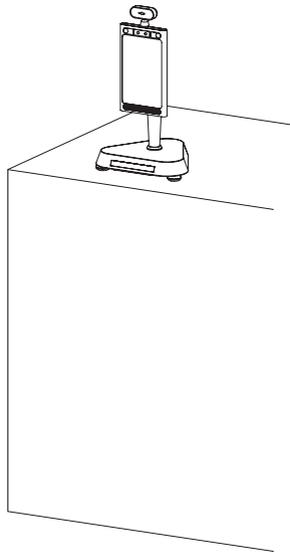# iDISPLAY™
THERMOMETER
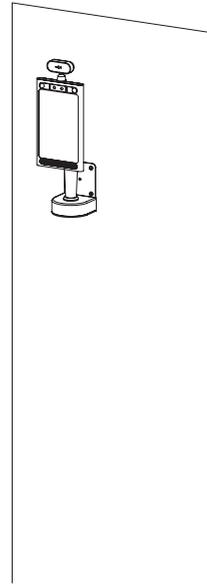

Adult Height   Child Height   Counter Height   Wall mount(Optional)

User Manual

Table of Contents

Important Notices

Copyright Information

FC CE

Safety and Warning Information

NOTE

CE 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
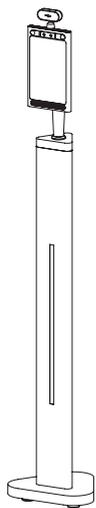
Mini mouse

USB Hub

Adult Thermometer Stand

UK

EU

US

3M long PSU with different region plugs

Reflective floor sticker x4pcs

Screw Driver

Optional:

Wall bracket

M3 Screw x3pcs

Self-tapping screw and expansion screw x6pcs

Package Contents

Child Height

Mini mouse

USB Hub

UK

EU

US

Child Thermometer
Stand

3M long PSU with
different region plugs

Reflective floor sticker x4pcs

Screw Driver

Optional:

Wall bracket

M3 Screw x3pcs

Self-tapping screw and
expansion screw x6pcs

Package Contents

Counter Height
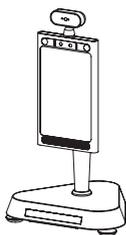
Counter
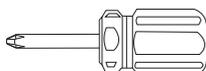Thermometer Stand

Mini mouse
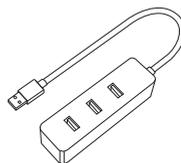
USB Hub

Screw Driver

UK

EU

US
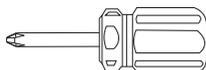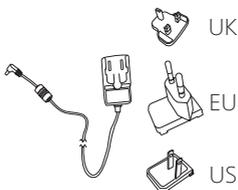
3M long PSU with
different region plugs
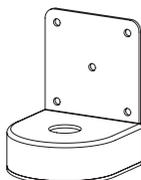

Reflective floor sticker x4pcs
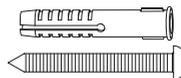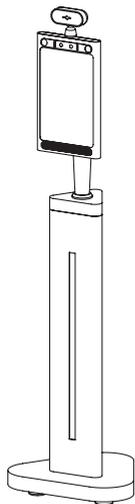
Optional

Wall bracket

M3 Screw x3pcs
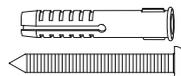
Self-tapping screw and
expansion screw x6pcs

Product Diagram
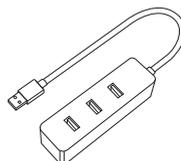
Adult Height
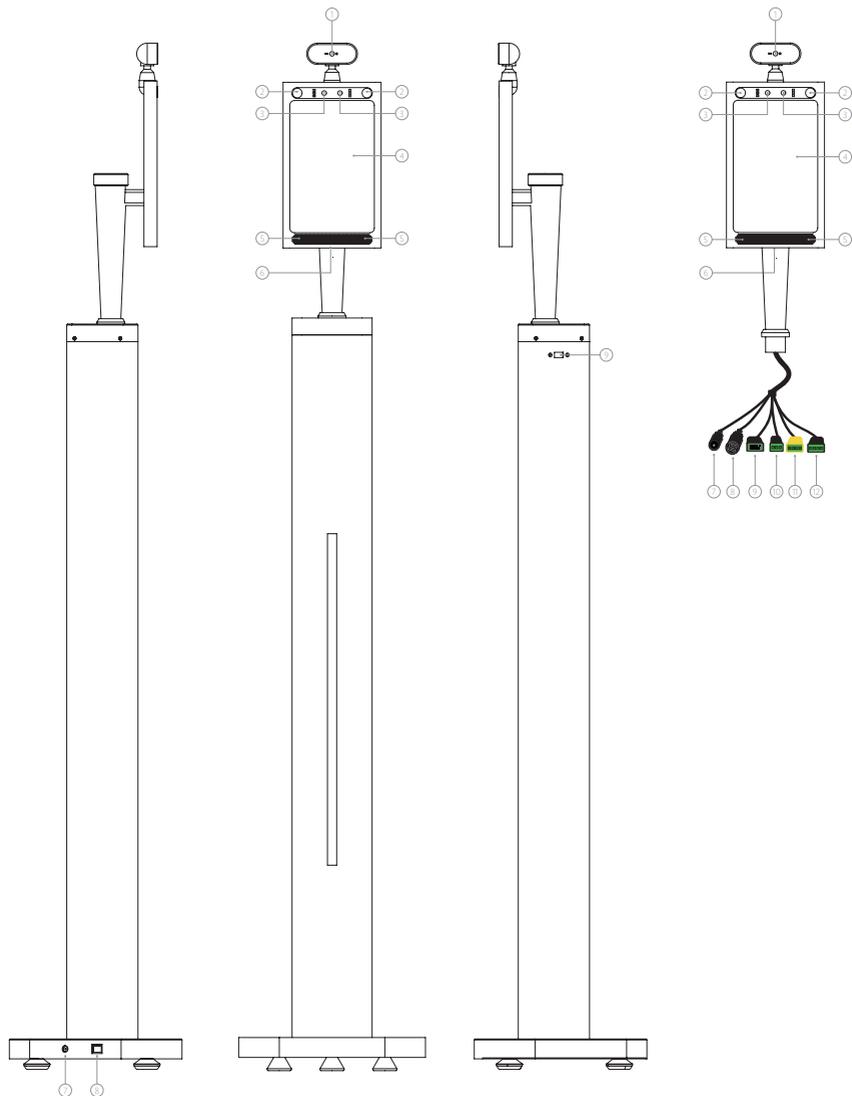
Product Diagram

No.	Description
1	Infrared temperature measurement module
2	Indicator light, 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 **RED labeled**
8	RJ45 **YELLOW labeled**
9	USB 2.0 **BLUE labeled**
*10	Relay **GREEN labeled**
*11	Wiegand OUT **ORANGE labeled**
*12	Wiegand IN **ORANGE labeled**

Note: Mark with* cables will be used in Access Control System. Check details in page 31~32 "**How to connect to Access Control System**" part.

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 **RED labeled**
8	RJ45 **YELLOW labeled**
9	USB 2.0 **BLUE labeled**
*10	Relay **GREEN labeled**
*11	Wiegand OUT **ORANGE labeled**
*12	Wiegand IN **ORANGE labeled**

Note: Mark with* cables will be used in Access Control System. Check details in page 31~32 "**How to connect to Access Control System**" part.

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 **RED labeled**
8	RJ45 **YELLOW labeled**
9	USB 2.0 **BLUE labeled**
*10	Relay **GREEN labeled**
*11	Wiegand OUT **ORANGE labeled**
*12	Wiegand IN **ORANGE labeled**

Note: Mark with* cables will be used in Access Control System. Check details in page 31~32 "**How to connect to Access Control System**" part.
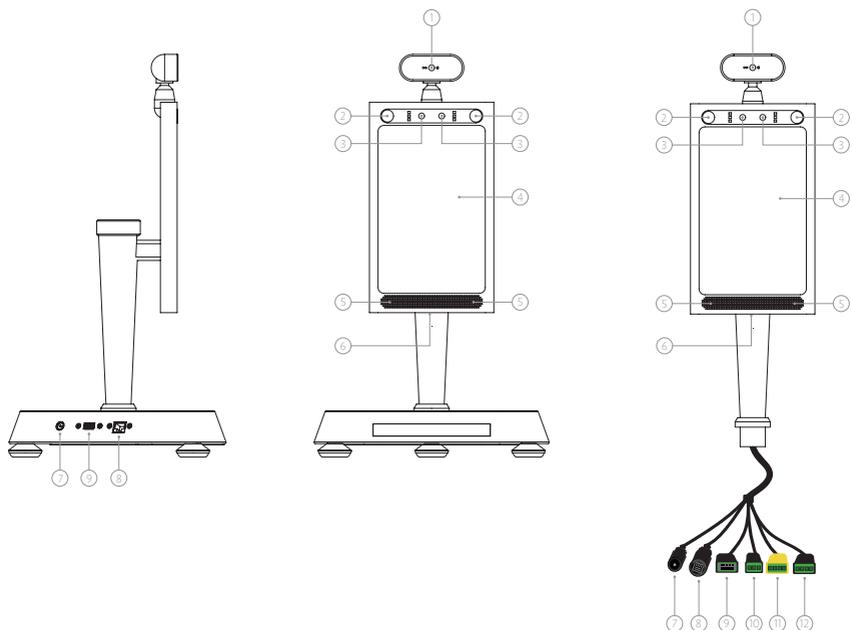
Operational environment

Important Note: It's NOT acceptable to have sunlight directly hitting the thermometer, otherwise it will adversely affect the accuracy of the thermal meter. And also NOT suitble to put it outside except have canopy or other sunlight protecting equipment to block sunlight.
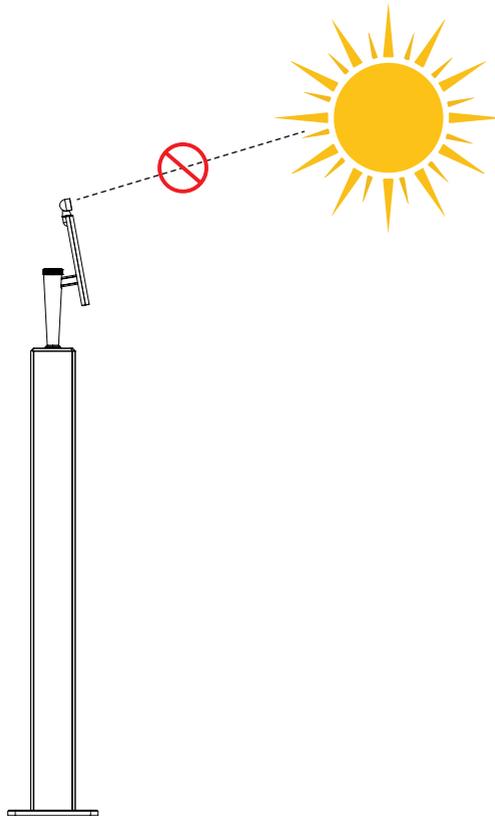
Specification for temperature measurement

30°

1.7m
66.9 in

1.1m
43.3 in

50cm
19.7 in
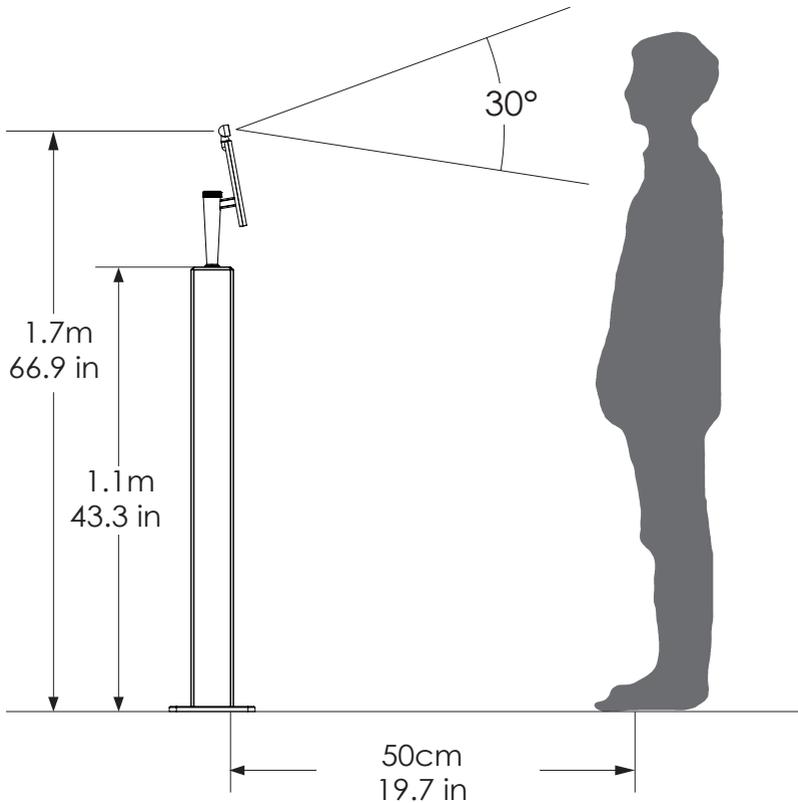
Temperature measurement angle
Infrared temperature sensor with a maximum temperature measurement wide angle of 30°.

30°

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

Accuracy of temperature measurement
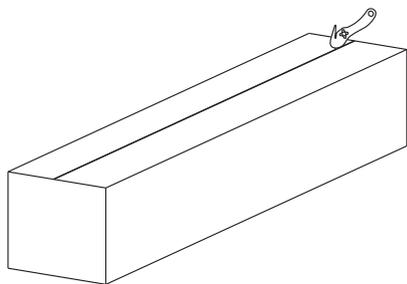Temperature measurement accuracy of infrared temperature sensor to temperature measurement target: ±0.2℃.
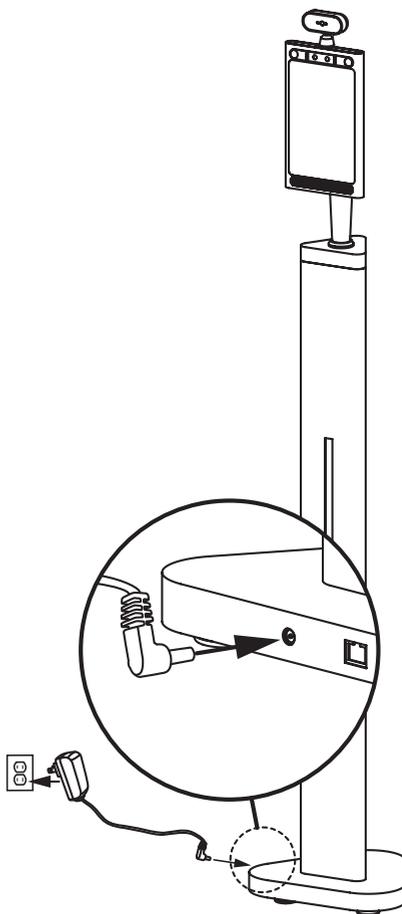
Operation Condition
Please avoid exposure to direct sunlight.

Installation Instructions_Adult and Child Height

Step 1.   Open the package using a professional unpack cutter gently. 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 (1.97 Inch).
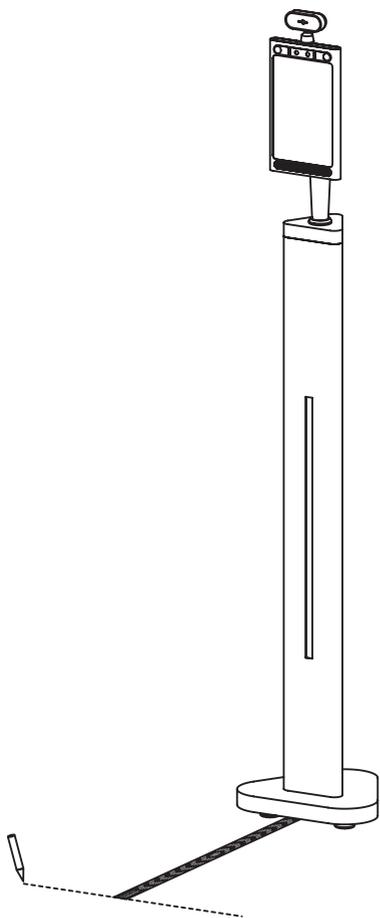
Step 4.   Using the line drawn in step 3 as a guide, remove the protective film on the backside of the reflective sticker, and place the adhesive side on the floor.

Installation Instructions_Adult and Child Height
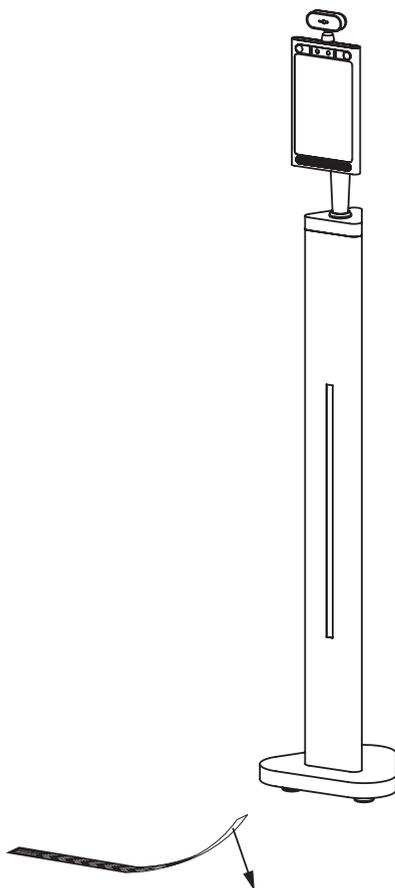
Step 5.   The thermometer will be running by auto, people just need stand the right distance place in front of thermomer within 40cm(15.7inch)~75cm(29.5inch)then can read temperature in 1 second. The thermometer will say "Temperature normal"also with temperature shown in screen. And the Indicator light will apear green.

Step 6.   When the temperature exceeds 37.7 °C (99.86 °F), there have a voice saying"theperature error". An alarm will beep for three seconds to alert the user that they have a fever, and the Indicator light will apear red on the same time.

2020-04-16   16:42

36.8˚C

Temperature Normal (for reference only, not medical advise)

2020-04-16   16:42

39.4˚C

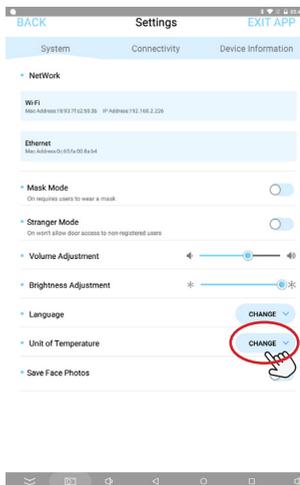Temperature High (for reference only, not medical advise)

Operating Instruction
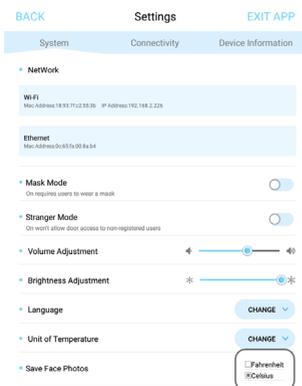
How to change Unit of Temperature

Step 1.   Click left upper corner to open the APK Setting page.
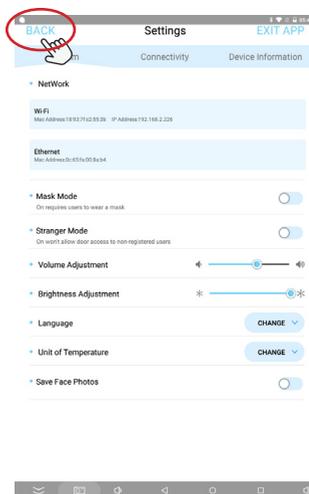
Step 2.   Select "CHANGE" behind-Unit of Temperature.

Step 3.   Celsius and Fahrenheit is available. Select the one that you want.

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

Operating Instruction

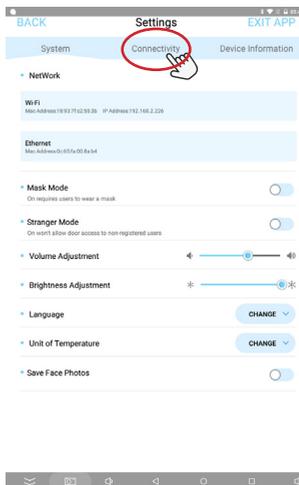Step 5.　The unit of temperature is changed to Fahrenheit.

Operating Instruction

Face Registration_Single Registration
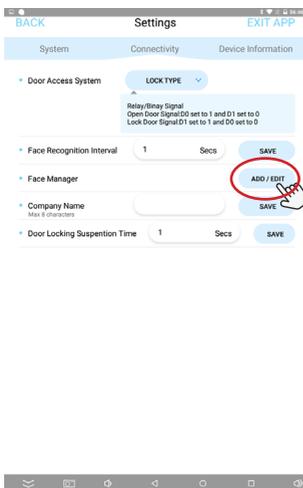
Step 1.   Click left upper corner to open the APK Setting page.
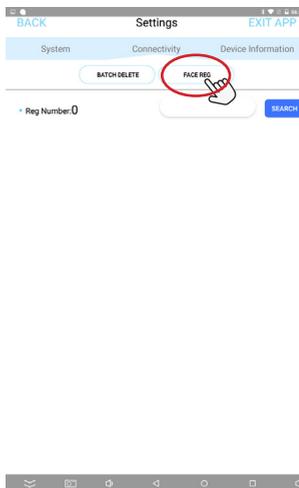
Step 2.   Click "Connectivity".

Step 3.   Connectivity page is showing, click "ADD/EDIT" that follow "Face Manager".

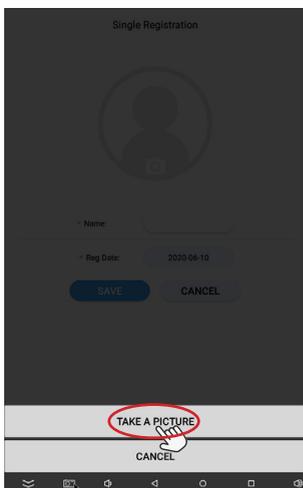Step 4.   Once Face Manager page is open, click "FACE REG".
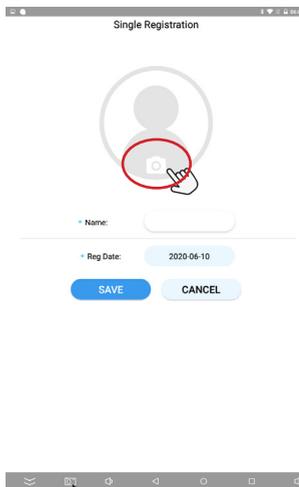
Operating Instruction
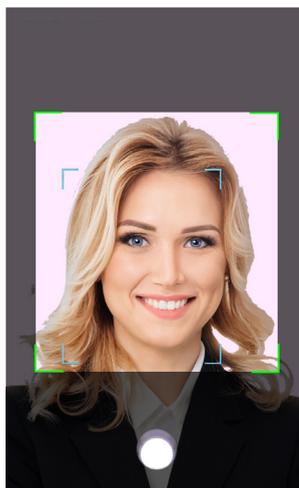
Step 5.   Click "SINGLE REGISTRATION".

Step 6.   It goes to a picture page. Need take a picture of people that need to be registered and fill the name.
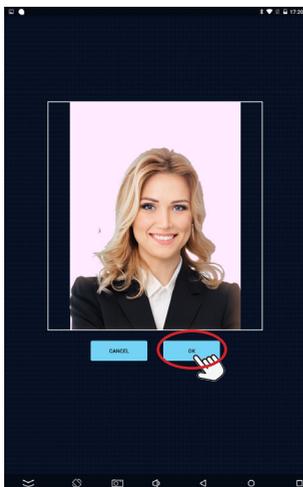

Step 7.   Click "TAKE A PICTURE".

Step 8.   Make sure the head is on the right position, otherwise the locate mark will be red and you can't take a picture. Can not wear mask.
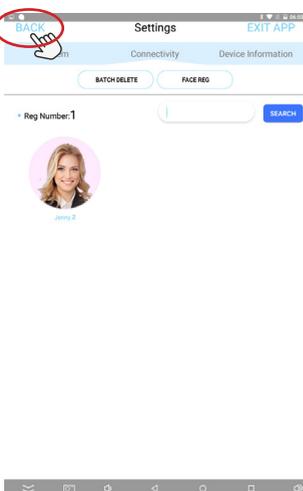
Operating Instruction

Step 9.   Click "OK" to save the picture.

Step 10.   Fill the name in "Name" input Box. Then click "SAVE".
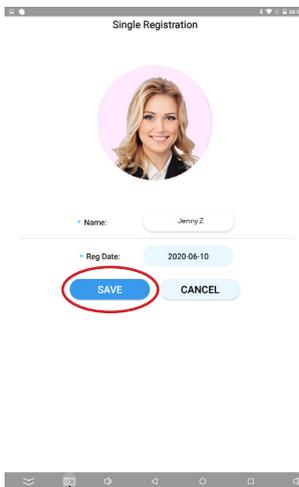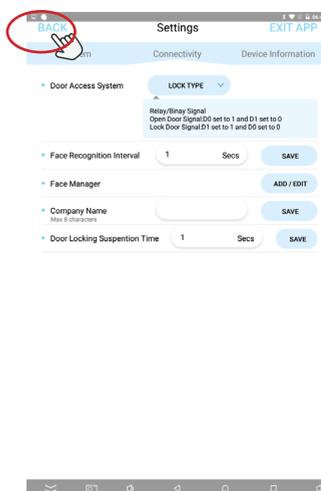

Step 11.   It will back to Face Manager page. Then click "BACK" on left upper corner to back to Connectivity page.
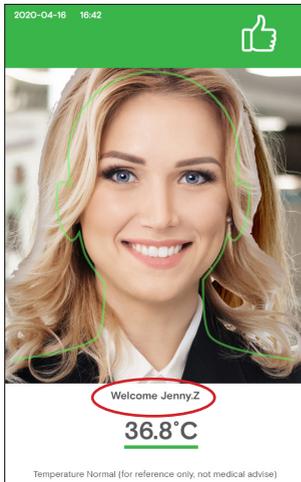
Step 12.   Click the "BACK" icon on the upper left corner into scan temperature page.

Operating Instruction

Step 13.   When get temperature done.
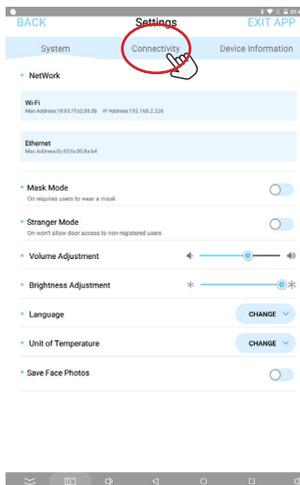Temperature frame will show registered
info.

Operating Instruction

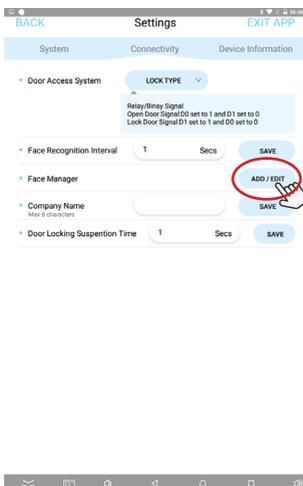## Face Registration_Batch Import

Step 1.   Click left upper corner to open the APK Setting page.
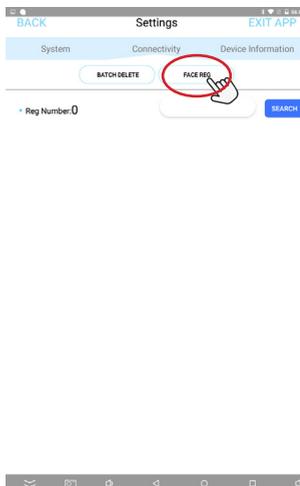
Step 2.   Click "Connectivity".

Step 3.   Connectivity page is showing, click "ADD/EDIT" that follow "Face Manager".

Step 4.   Once Face Manager page is open, click "FACE REG".

Operating Instruction

Step 5.　Insert a USB disk to USB port, the USB disk that included full face photos (front view) in .png or .jpg format with minimum resolution 640*480. Use registrants' names for photo file names.

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

Step 6.　Click "BATCH IMPORT".
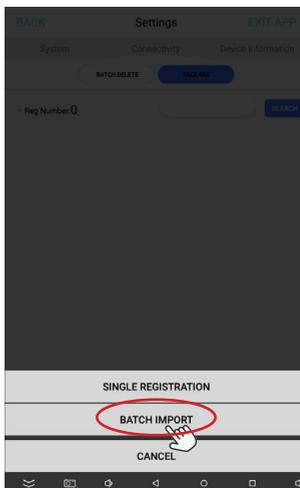
Step 8.　Select needed person info, then click "SMART IMPORT".

Operating Instruction

Step 9.   All the people info registered.
Click "CONFIRM" to finish all the process.
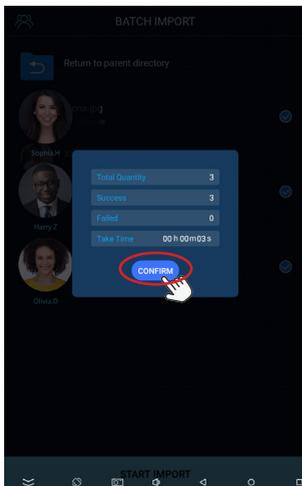
Operating Instruction

Face Registration_Delete people info

Step 1.　Click left upper corner to open the APK Setting page.

Step 2.　Click "Connectivity".

Step 3.　Gate Setting page is showing, click "ADD/EDIT" that follow "Face Manager".
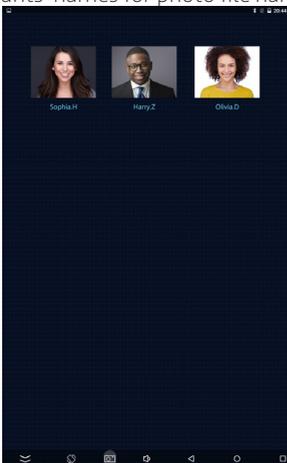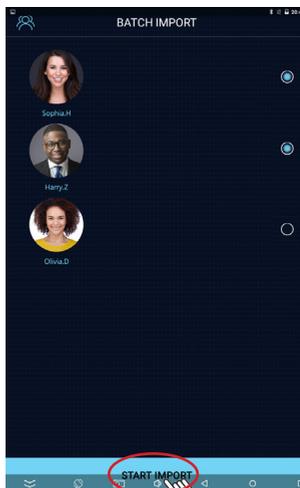
Step 4.　Click "BATCH DELETE", then select person that no need. Click "DELETE"to delete the person info.
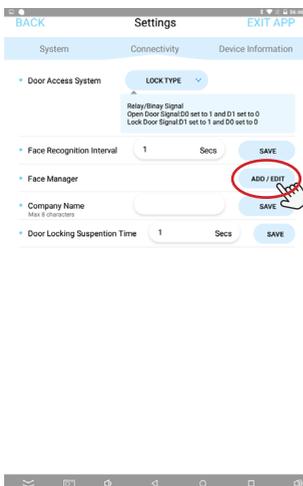
Operating Instruction

Stranger Mode

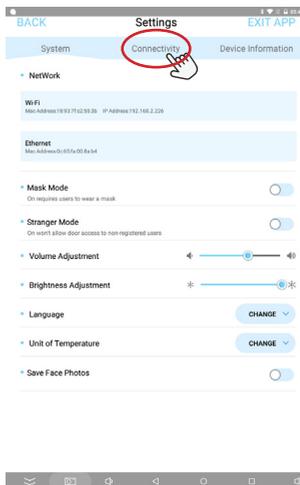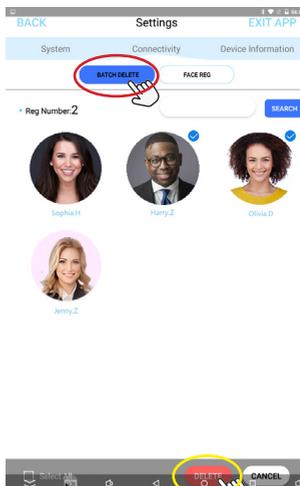Step 1. Click left upper corner to open the APK Setting page.

Step 2. Turn on the "Stranger Mode". Then click the "BACK" icon on the upper left corner to return scan temperature page.

Step 3. When temperature is normal, it will appear note: PLEASE CONTACT ADMIN TO ENTER obvious in screen.
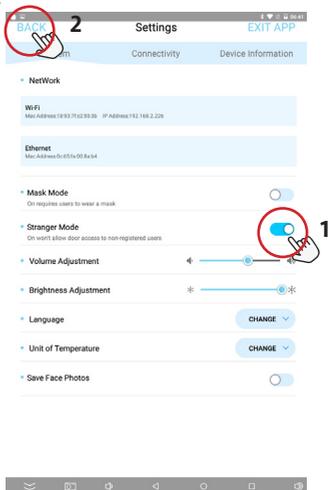
Step 4. If need get the person registered. Refer to "Face Registration" part from page 18~21.

Operating Instruction

Step 5.   When temperature error, there only have the Indicator light apear red on the same time, alarm for 3 seconds, no any other prompt word.

Operating Instruction

Mask Mode

Step 1.   Click left upper corner to open the APK Setting page.

Step 2.   Turn on the "Mask Mode". Then click the "BACK" icon on the upper left corner to return scan temperature page.

Step 3.   When temperature is normal, it will appear note: PLEASE WEAR A MASK TO ENTER obvious in screen.

Step 4.   When temperature error, there only have the Indicator light apear red on the same time, alarm for 3 seconds, no any other prompt word.
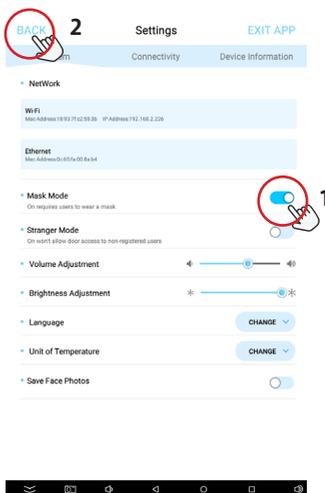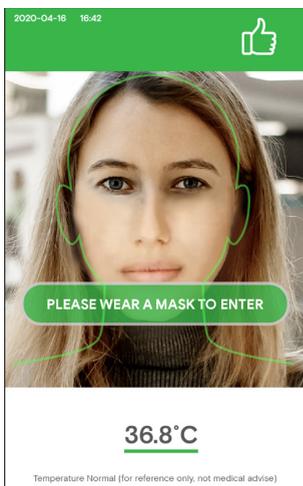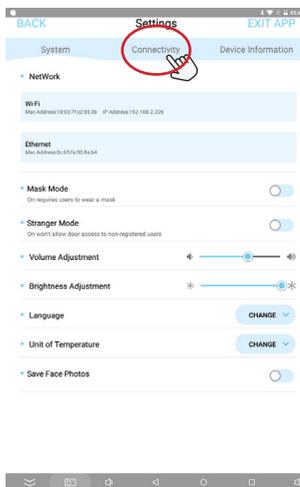
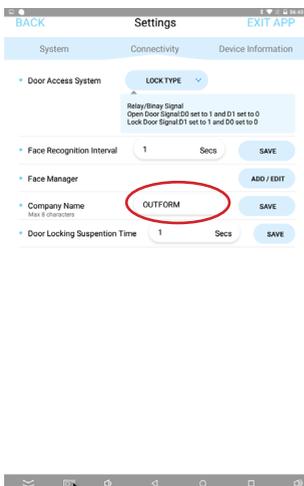# Operating Instruction

Add company name

Step 1.   Click left upper corner to open the APK Setting page.

Step 2.   Click "Connectivity".

Step 3.   Connectivity page is showing, fill your company name in "Company Name" input box.

Step 4.   Company name will show in the heading position on the screen.

Operating Instruction

Set password for entering setting page

Step 1.   Click left upper corner to open the APK Setting page.

Step 2.   Click "Device Information".

Step 3.   Device Information page is showing, click "CHANGE PASSWORD" to set password for entering setting page.

Step 4.   Password page is showing. Enter a password in "New Password" input box and confirm again. Then click "OK" to save the password.

Operating Instruction

Step 5.   Click the "BACK" icon on the upper left corner to return scan temperature page.

Step 6.   Click left upper corner to open the APK Setting page.

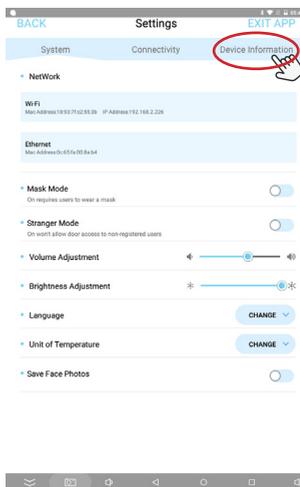Step 7.   Need enter the password that set in step 4. Click "OK" to enter setting page.

Operating Instruction

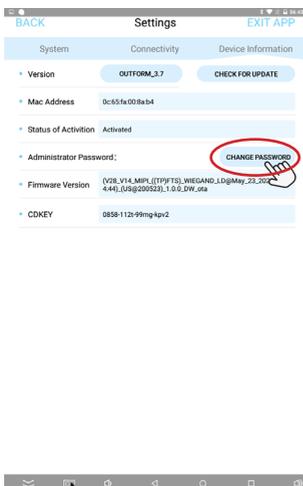## How to change password for entering setting page

Step 1.   Click left upper corner to open the APK Setting page.
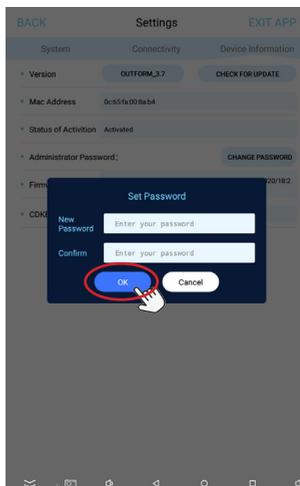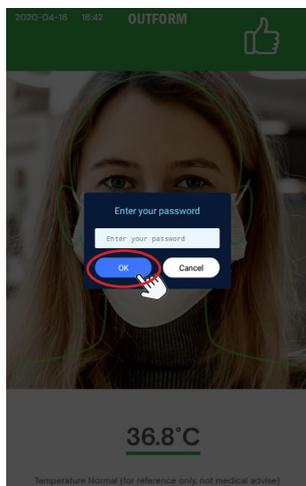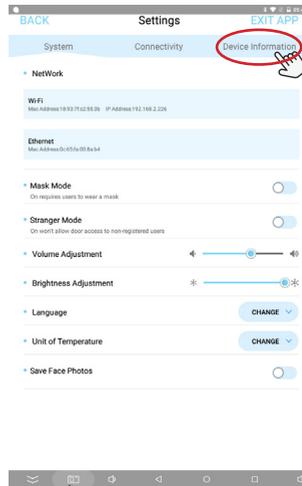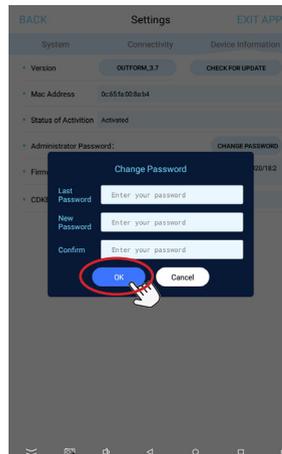
Step 2.   Click "Device Information".

Step 3.   Device Information page is showing, click "CHANGE PASSWORD" to set password for entering setting page.
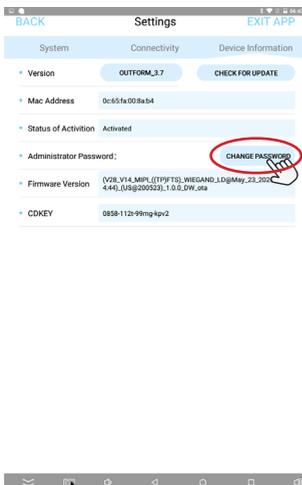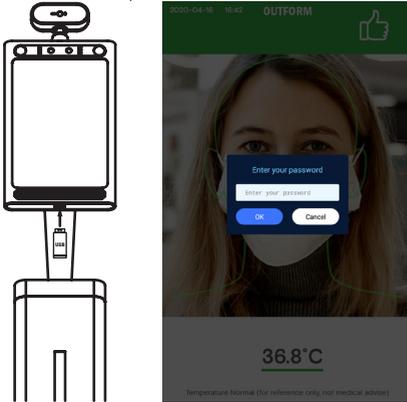
Step 4.   Enter last password in "Last Password" input box and fill new password in "New Password" box, confirm again. Then click "OK" to save the setting. If you don't need password anymore, just leave "New Password" box blank.

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Operating Instruction

How to export the attendance record

Step 1.   Insert the USB disk to USB port in screen botton in scan page only. Wait about 10 seconds, it will pop up a window requiring to type password. Enter: data2USB, the attendance record data would be moved from device to USB disk automatically.

Step 2.   USB disk will be create a folder named: attendpic, there will have a excel file that including every single record of person get temperature done, including: Name/ Sex/ Age/ Temp/ Time/ Picture (optional, OFF is the default setting). Please note: The record in device will be DELETE immediate once export to USB disk. Please refer next two steps to open Save Face Photo option. Note: Please follow local privacy laws accordingly. If this feature is not necessary or not approved by local regulations, then it should remain off at all times.
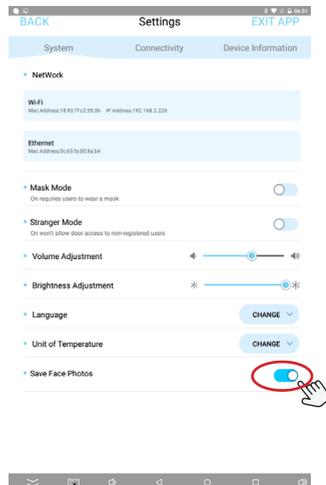

Step 3.   If there have some special requirement that need take picture of temperature measure person, Click left upper corner to open the APK Setting page.
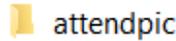

Step 4.   Turn on "Save Face Photos" button. After copy attendance record data, it will included photos.
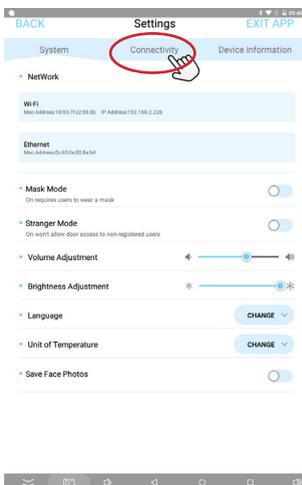
Operating Instruction

How to connect to Access Control System

Step 1.   There have 3 cables used for Access Control System, 1 for Relay, 2 for Wiegand, based on your system which cable is matched. Connect the correct cables to your Access Control System.
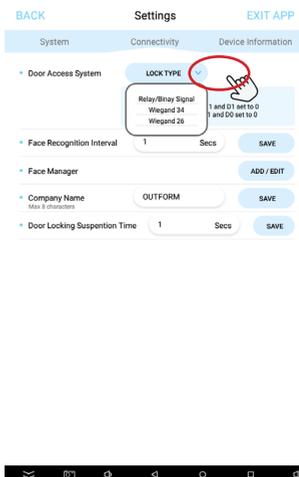

Relay — Wiegand OUT — Wiegand IN
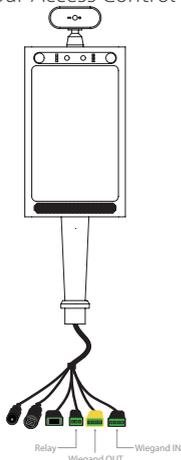
Step 3.   Click "Connectivity".

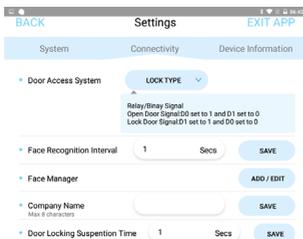Step 2.   Click left upper corner to open the APK Setting page.

Step 4.   In Door Access System, click "LOCK TYPE" to choose matched signal type. There have section for: Relay/Binary Signal/ Wiegand 34/ Wiegand 26.
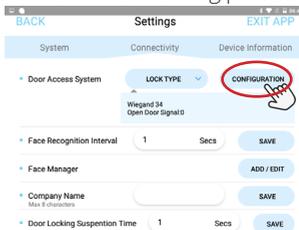
Operating Instruction

Step 5.   If your door system is Relay, choose "Relay/Binary Signal". Process is done.

Step 6.   If your door system is Wiegand, click "Wiegand 34"or "Wiegand 26", it's depend on your system. click "CONFIGRATION" for filling password.
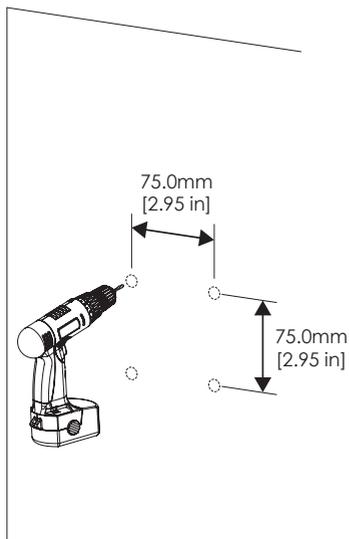

Step 7.   Fill your door password in Parameter input box. Click"SAVE" once filled. Now iDisplay is connected to Access Control System.
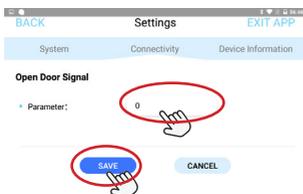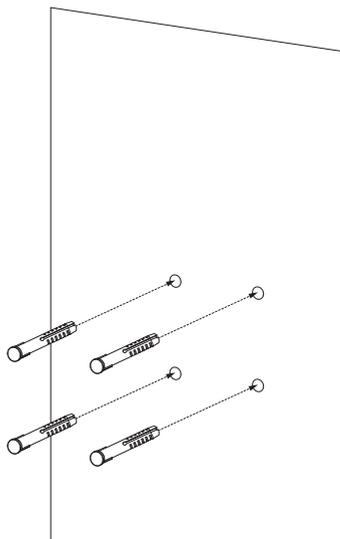
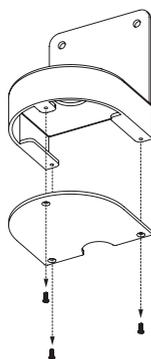# Pedestal Adult and Child change to Wall mount

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.

75.0mm
[2.95 in]

75.0mm
[2.95 in]

Step 3.   Release M3 Screws (x3) from wall bracket bottom, and take out the bottom piece. Put aside for using later.
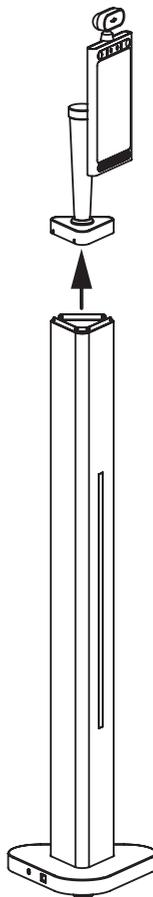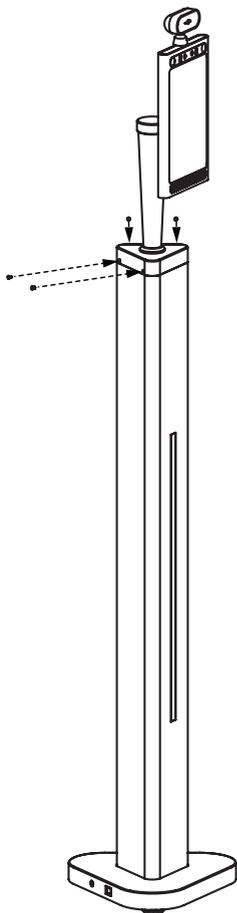
Step 4.   Tight wall bracket with Self-tapping screws (x4) to the pre-installed expansion screws in step 2.
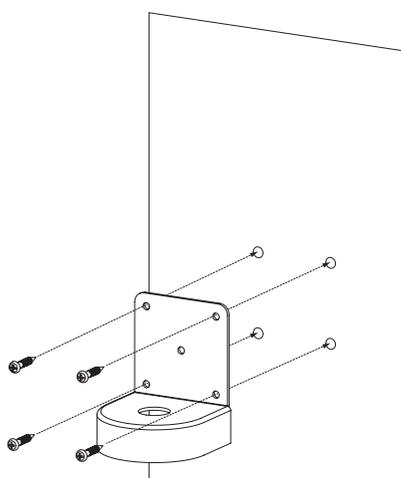
Pedestal Adult and Child change to Wall mount

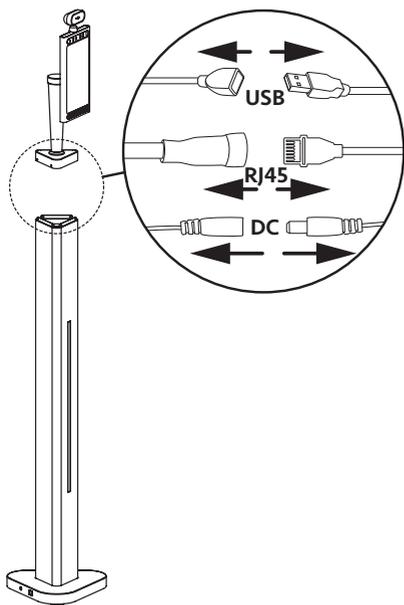Step 5.   Release Cross Screws (x4) from Adult/Child Height top base.

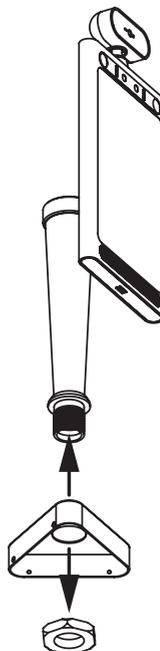Step 6.   Take out the Thermomoter with top base.

Pedestal Adult and Child change to Wall mount

Step 7.   Disconnect DC/RJ45/USB cable like the drawing shown below, and take out all the cables out from pedestal.
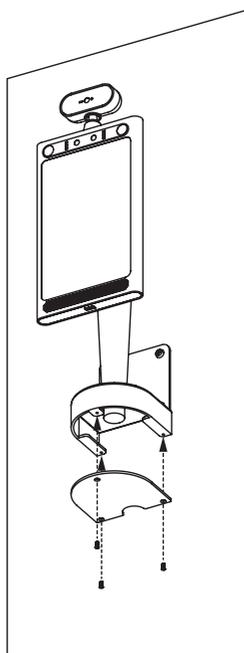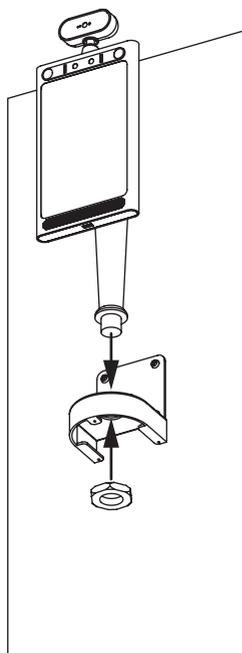
Step 8.   Take out the Thermometer by releasing the big nut under top base. Put nut aside for using next step.

Pedestal Adult and Child change to Wall mount

Step 9.   Install Thermometer to pre-installed wall bracket by tight the big nut that removed from last step.

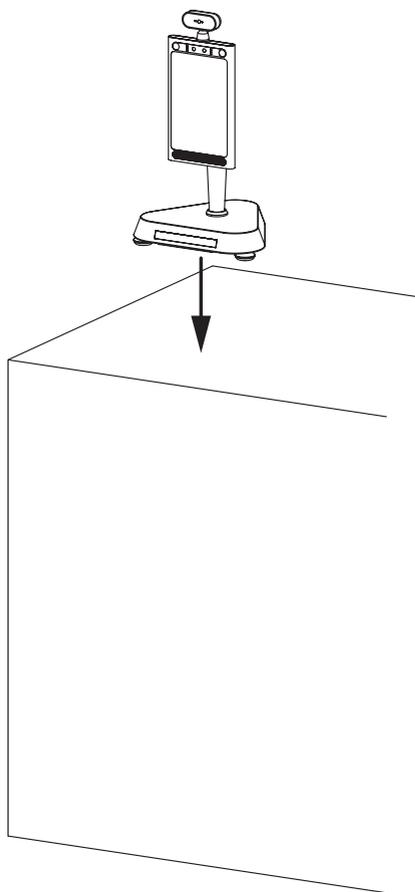Step 10.   Reinstall M3 screws (x3) that removed from step 3 to apply bracket bottom piece.

Installation Instructions_ Counter

Step 1.   Open the package using a professional unpack cutter gently. Take out the Thermometer and all the accessories.
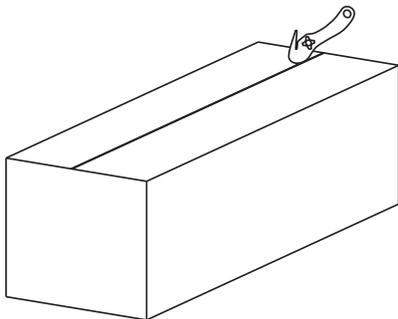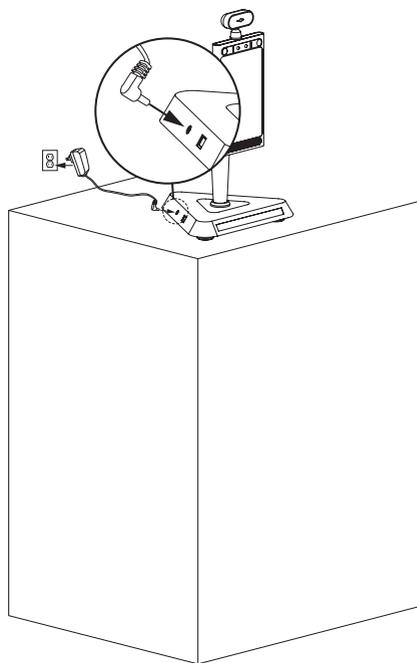
Step 2.   Put Counter Thermometer to table in a suitble position. Put the Thermometer more outside.

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 (1.97 Inch).
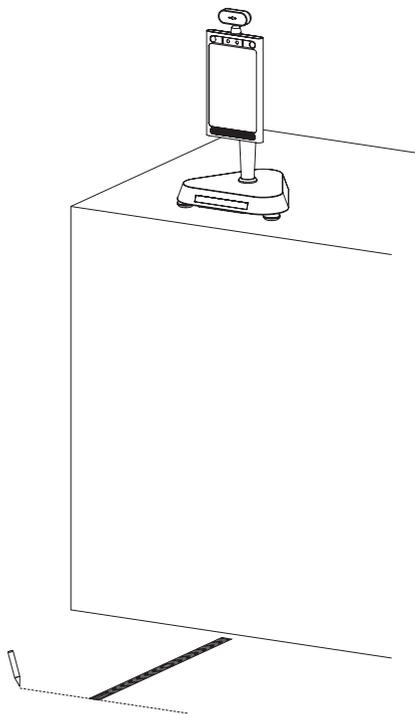
Installation Instructions_ Counter

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. Operating Instruction please refer to **Getting Started** part from page 13~15.

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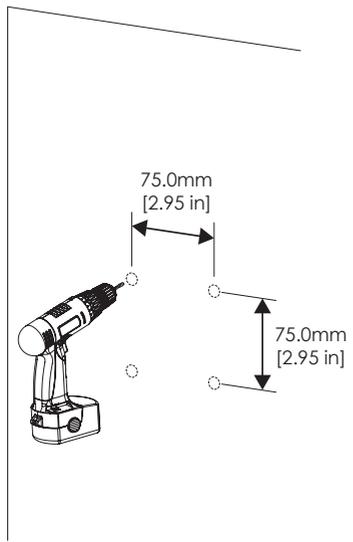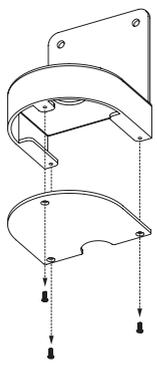
Step 2.   Apply expansion screws (x4) to the wall.

75.0mm
[2.95 in]

75.0mm
[2.95 in]
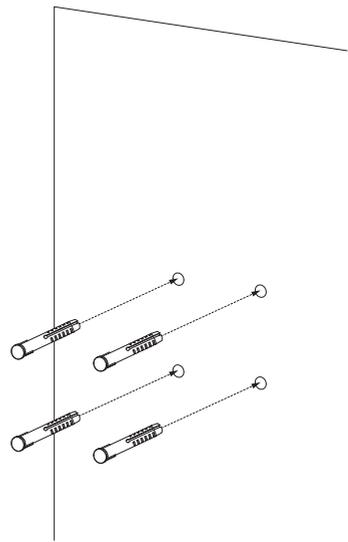
Step 3.   Release M3 Screws (x3) from wall bracket bottom, and take out the bottom piece. Put aside for using later.

Step 4.   Tight wall bracket with Self-tapping screws (x4) to the pre-installed expansion screws in step 2.
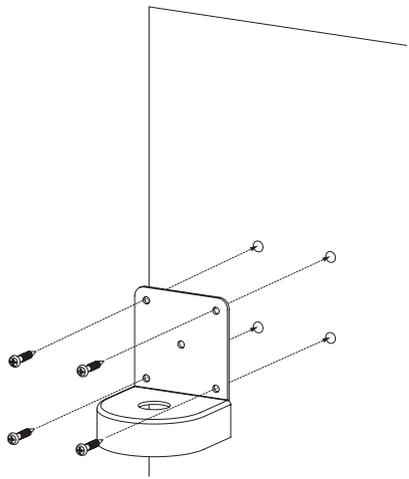
Counter change to Wall mount

Step 5.   Release Cross Screws (x6) from Counter base.Take off the base piece.
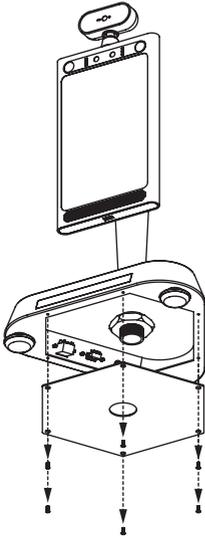
Step 6.   Disconnect DC/RJ45 USB cable like the drawing shown below, and take out all the cables out from Counter base.

USB

RJ45

DC
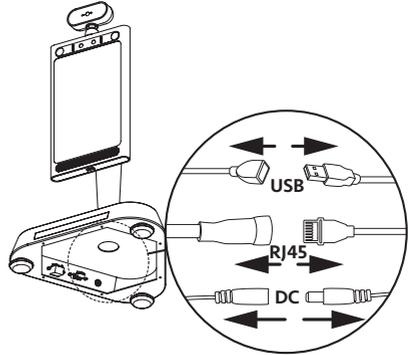
Step 7.   Take out the Thermometer by releasing the big nut under base bottom. Put nut aside for using next step.
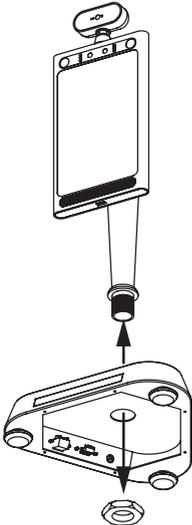
Step 8.   Install Thermometer to pre-installed wall bracket by tight the big nut that removed from last step.
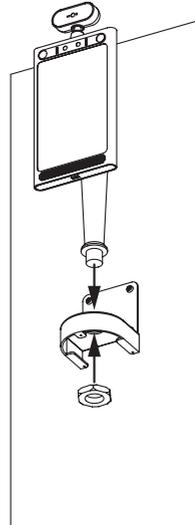
Counter change to Wall mount

Step 9.   Reinstall M3 screws (x3) that
removed from step 3 to apply bracket
bottom piece.
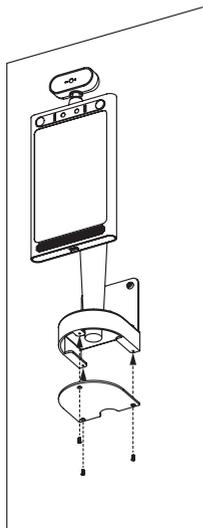
Installation Instructions_ Wall mount

Step 1.   Connect the power cable to the thermometer and power socket.
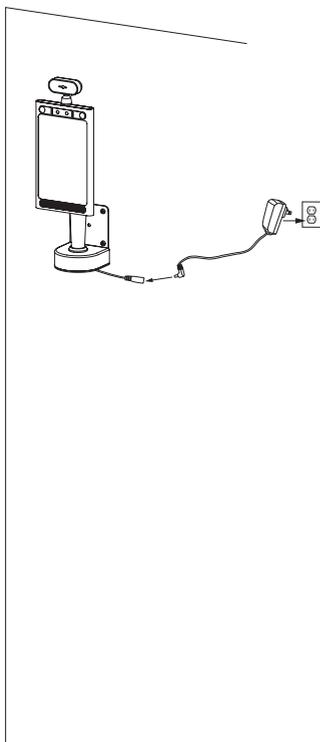
Step 2.   Use the reflective sticker to measure the correct standing distance from the front of wall, as pictured below. Use a pen to draw a straight line about 50 Centimeters (1.97 Inch).
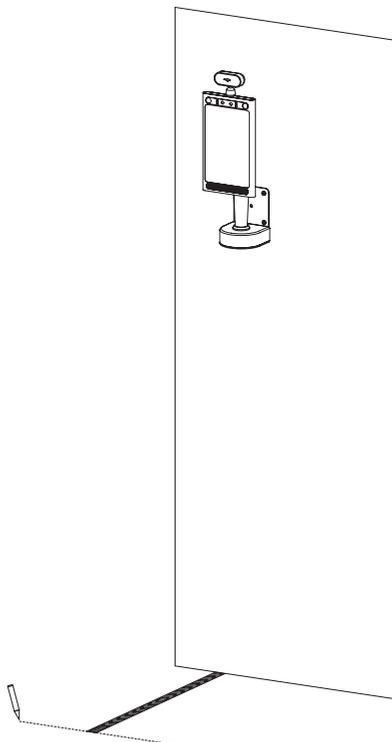
Installation Instructions_ Wall mount

Step 3.   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. Operating Instruction please refer to **Getting Started** part from page 13~15.
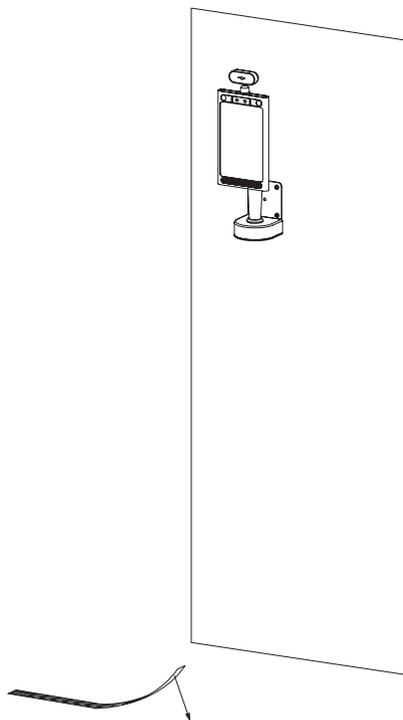
How to upgrade the apk

Uninstall old APK

Step 1.   Insert the provided mouse into the USB port as depicted in the drawing below.
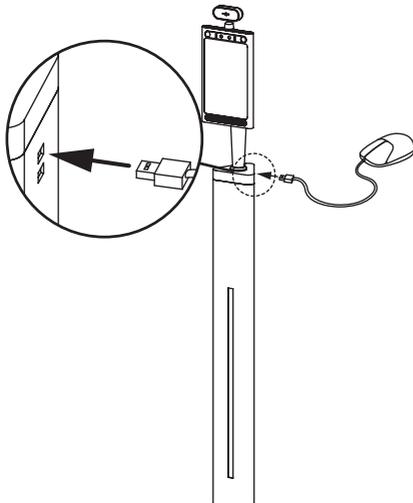
Step 2.   Click left upper corner to open the APK Setting page.

Step 3.   Once APK settings are open, click "EXIT APP", will pop out a message, just click "OK" to open the Home Page.
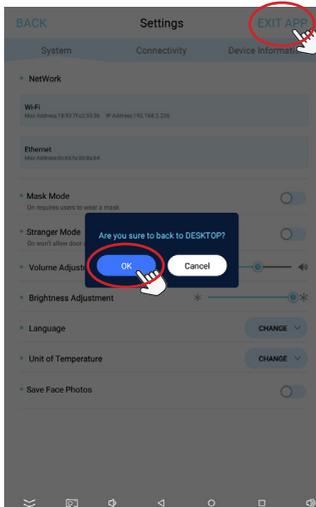
Step 4.   To open system settings in home, click "System Settings."

How to upgrade the apk

Step 5.   Under "Device", click "Home".
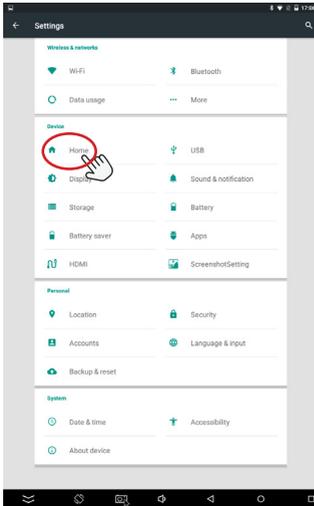
Step 6.   To uninstall the old APK, select "Launcher3." Then click the "back" icon on the upper left corner to return to system settings.

Step 7.   In the System Settings page, select "Apps" under "Device".
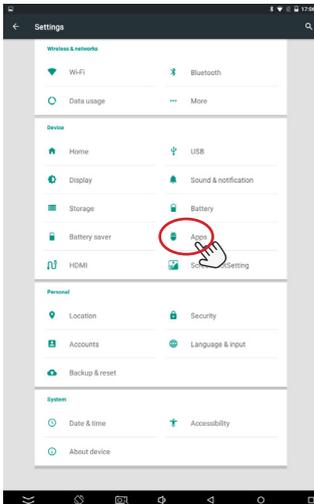
Step 8.   Upon clicking "iDisplay," iDISPLAY Thermometer App info will appear.
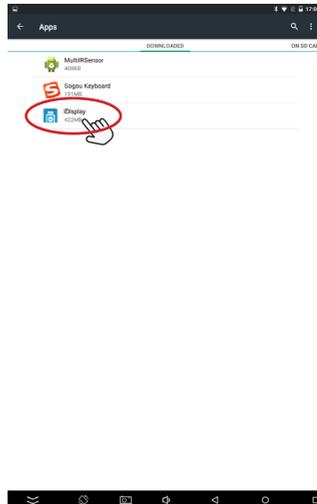
How to upgrade the apk

Step 9.   Select "CLEAR DATA".
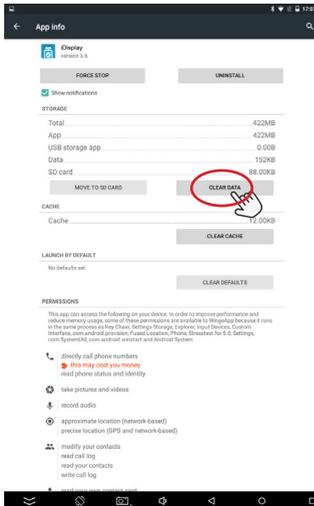
Step 10.   Select "OK" to remove the old data.
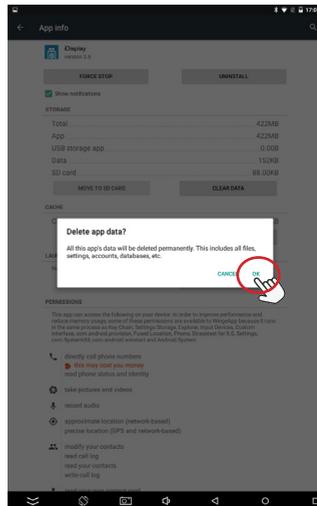
Step 11.   Select "UNINSTALL" to remove the old APK.
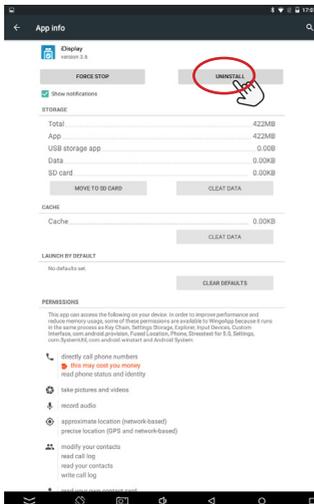
Step 12.   Select "OK" to uninstall old APK.
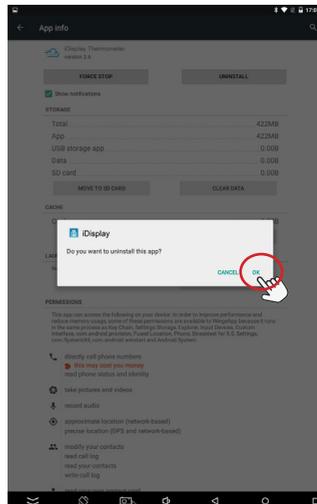
How to upgrade the apk

Step 13.   Once old APK is uninstalled, go to setting page, select "Backup&reset". There need Factory Reset to remove all the previous data.

Step 14.   Select "Factory data reset".

Step 15.   Select "RESET DEVICE" to continue.
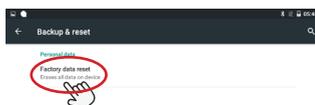
Step 16.   Select "ERASE EVERYTHING" to finish factory reset.
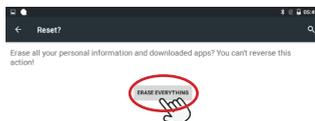
How to upgrade the apk

Install new APK

Step 1.   Once the old APK is uninstalled, return to the Home Page by selecting the Home Page Icon.

Step 2.   Go to the explorer page by selecting the "Hotseat" icon in dock.

Step 3.   The "Hotseat" page will open.

Step 4.   Insert the USB (that only includes the new APK) into the USB port.
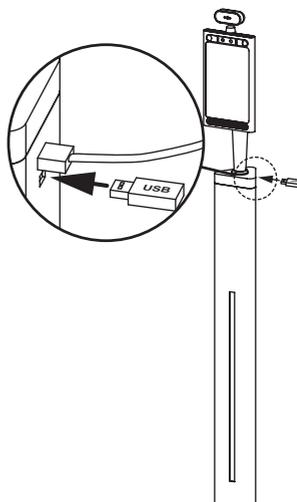
How to upgrade the apk

Step 5.   On the "Hotseat" page, select "Explorer".
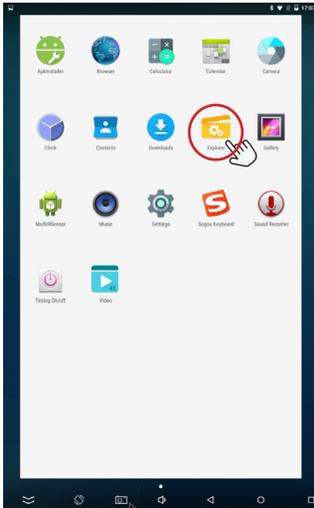
Step 6.   Select "usb_storage" to enter USB disk.

Step 7.   Double click "USB_DISK0" to open USB disk inserted in Step 4.

Step 8.   Select the new apk.

How to upgrade the apk

Step 9.   Select "INSTALL".
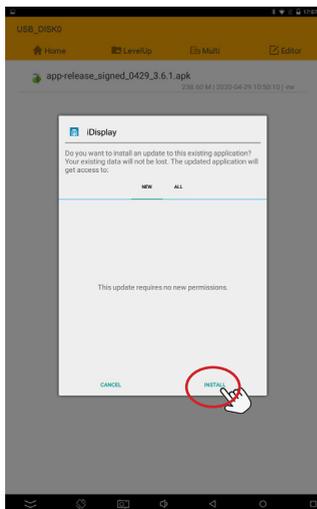
Step 10.   During installation.

Step 11.   Once the App is installed, select "Open" to activate the new APK.
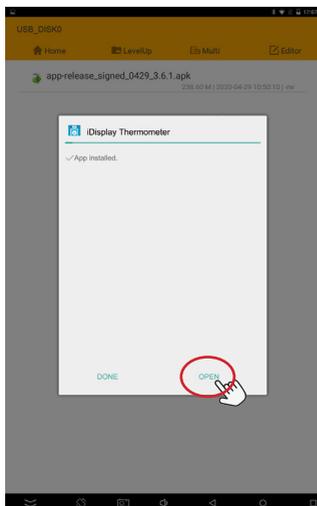
Step 12.   The Network page will appear automatically. "Ethernet" and "Wireless" will become available.
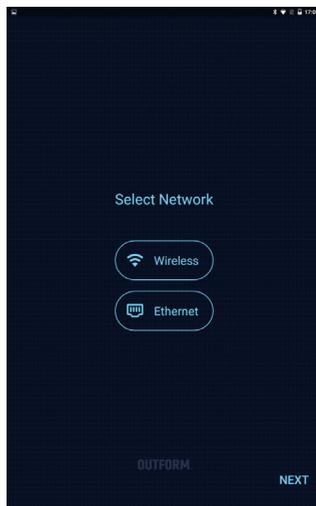
How to upgrade the apk

Step 13.   Select available WiFi, and enter password to connect.

Step 14.   You will automatically be taken to the Activation Page. Find the CDKEY on the back side of screen (Key line: 0858......) see drawing below.

If you lost your CDKEY, please follow "Find MAC address" instructions to send to OUTFORM for recovering the CDKEY.
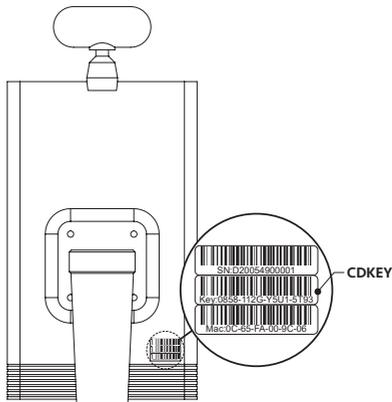
Step 15.   Fill the CDKEY in the Activation page. Then click "ACTIVATE."

Step 16.   Once the device is activated (it takes about 10 seconds), select "NEXT".

How to upgrade the apk

Step 17.   Server Configuration will appear with the URL automatically filled in, click "SAVE." Then click "FINISH."
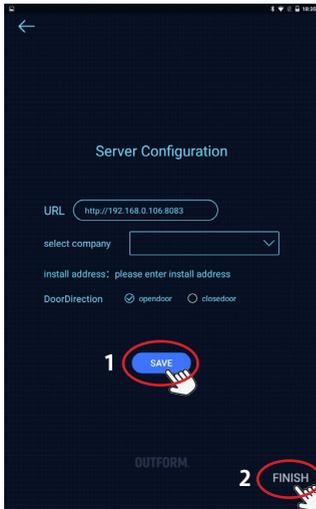
Step 18.   The new APK is running.

Step 19.   Click left upper corner to open the APK Setting page.

Step 20.   Once APK settings are open, click "EXIT APP", will pop out a message, just click "OK" to open the Home Page.

How to upgrade the apk

Step 21.   To open system settings in home, click "System Settings".
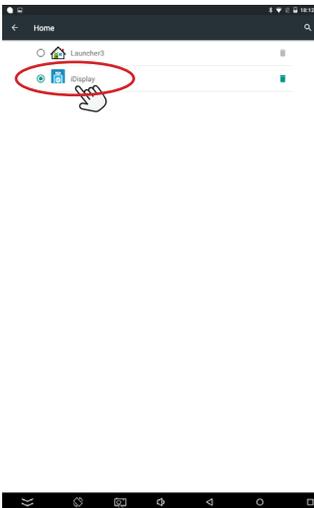
Step 22.   Under "Device", select "Home".

Step 23.   Select "iDisplay".
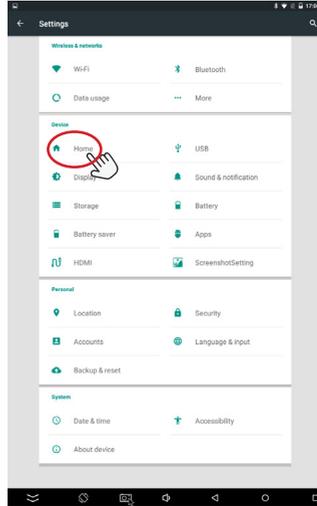
Step 24.   Unplug and reconnect the power cord to restart. The new apk is running.

Find MAC address

Step 1.　Click left upper corner to open the APK Setting page.

Step 2.　Once APK settings are open, click "EXIT APP", will pop out a message, just click "OK" to open the Home Page.

Step 3.　Click--Hotseat icon in bottom. Go to Explorer page.

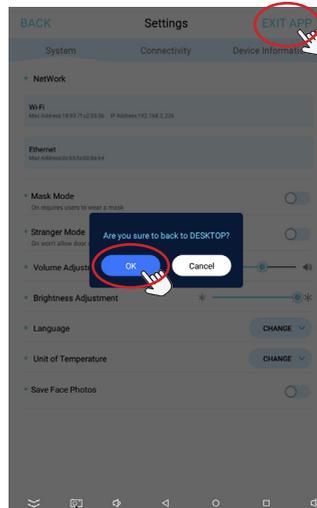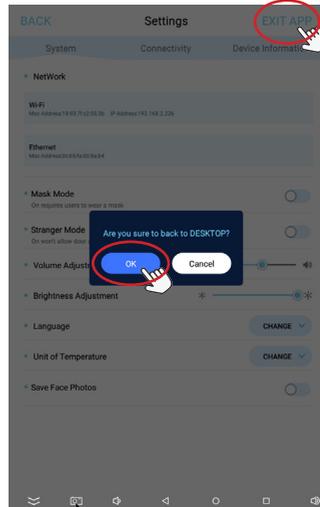
Step 4.　Load to Hotseat page. Click--Calendar.
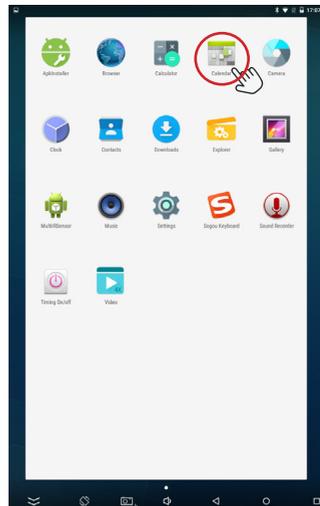
Find MAC address

Step 5.   Enter: **20180315** which is the password for entering the testing interface page.

Step 6.   Click--MAC SETTING selection.

Step 7.   Write down the **Ethernet Mac** address, send to OUTFORM for recovering the CDKEY.

Step 8.   QR code below for finding OUTFORM support.

Trouble Shooting Guide

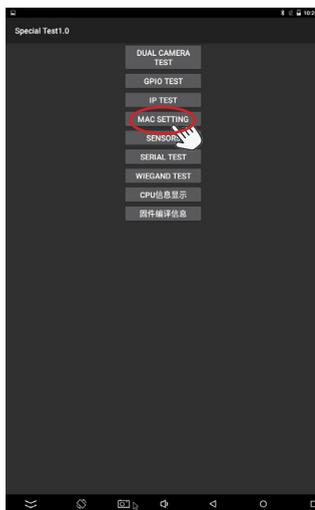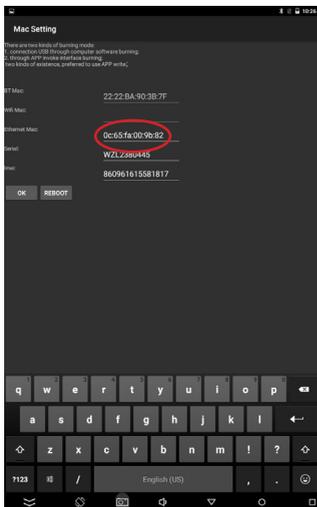| Problem	Solution
If the screen does not show the APK	1. Go to explorer, click "Wing App"to run; 2. Restart by disconnecting the power and reconnect power, the APK will run automatic.
If the screen is turned off	Restart by disconnecting the power and reconnect power.
If the alarm doesnt turn on	1. Restart by disconnecting the power and reconnect power. 2. If not solved, go to the setting page, find the alarm parameter, turn on the alarm. 3. If not solved, call our Technical Support phone No. or send product back to OUTFORM.
If the LED light turn off	Restart by disconnecting the power and reconnect power.
If can not active when upgrade new APK	Need select a China time zone. 1. Go to setting page, select "Date&time" 🕐 Date & time　　　🕇 Accessibility 2. Turn off Automatic date&time/Automatic time zone Automatic date & time Use network-provided time Automatic time zone Use network-provided time zone 3. Select a China time zone, like Shanghai. GMT+07:00 Shanghai GMT+08:00 Hong Kong 4. The "Select time zone" part will change to China Standard Time. 18:58 Select time zone GMT+08:00 China Standard Time 5. Now active new APK again. After finish activation, don't forget turn on Automatic date&time/Automatic time zone. Automatic date & time Use network-provided time Automatic time zone Use network-provided time zone

OUTFORM™

For additional assistance, visit outformsupport.com.