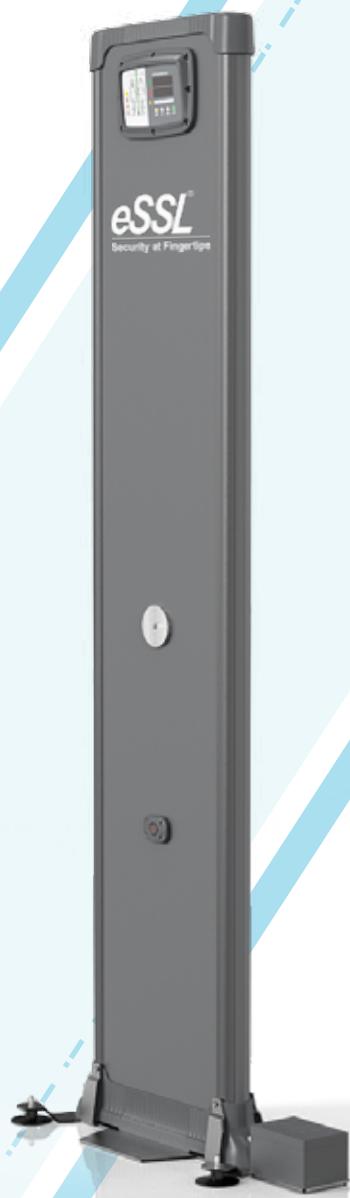


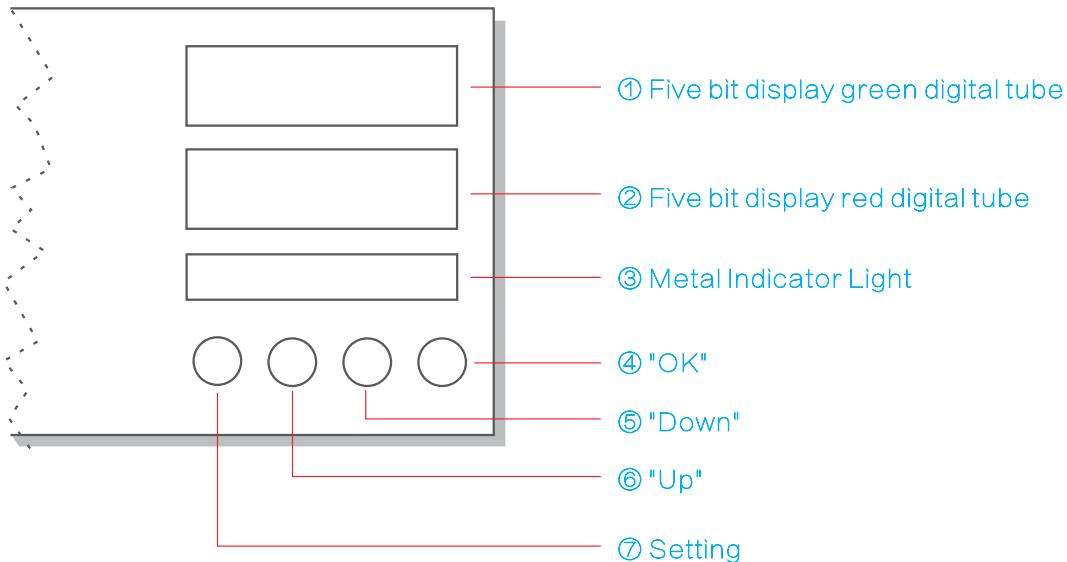
# D468-6

6 ZONE DIGITAL SINGLE PANEL



**“User and installation manual”**

# Control Panel Settings



## Input password

Boot and press the program bottom , display P 00000, enter the password, the initial password is P 0000, press 6 key to change corresponding selection number (from 0 to 9 cycle), press 5 key to change selection (can cyclic shift, choose corresponding bit twinkle), if password fault ( C ERR ) , can't enter the system, press 6 to re-enter the password ,until the correct password, then press 7 key (setting button) access the interface of setting specification.

## Revising password

To change the password, press the 7 key (setting key) to switch to the screen display C 00000, press the 7 key (setting key) for 5s, and then the corresponding selection position will start flashing. Press the 6 key to change the value of the corresponding selection bit (0~9 cycles), and press the 5 key to change the selection bit (cyclic shift, and the corresponding selection bit will flash). At this time, you can enter a new password, and press the 7 key to save and enter.



Please read the manual carefully and thoroughly before operating the equipment.  
Users keep this manual for reference at any time

# Function Setting

8.8.8.8

① Pass counter



Before revising device specification, please read this section carefully.

8.8.8.8

② Alarm counter



Note: when enter into next interface, spec value of last interface equal to the last operation value

## Functional selection

Press ⑦ keyboard  
Can select circularly at following functions

Function Code

Working frequency setting	РЧ	1~100
Security level setting	ОЧ	0~99
Partition setting	С3	6zones
Left each zone sensitivity setting	1 2 3 4 5 ⋮	0~400 0~400 0~400 0~400 0~400 ⋮
Alarm volume setting	СГ	0~99
Alarm tone setting	СВ	0~99
Alarm time length setting	СП	0~99
Scene setting	ВС	1~72
LED lights display setting	ПП	LD 0
battery level	ЗБ	0~100
automatic frequency adjustment	АЧ	0/1
Infrared setting	HC	
Revise password	C1717	* * *

## Spec setting

Under corresponding functional interface, pressing ⑥ keyboard and corresponding no "+"  
Pressing ⑤ keyboard and corresponding no "-"

100 levels can be adjusted
100 levels can be adjusted
6zones
1detector sensitivity 400 level
2 detector sensitivity 400 level
3 detector sensitivity 400 level
4 detector sensitivity 400 level
5 detector sensitivity 400 level
⋮
Volume 100 levels
100 levels
Alarm time length 100 levels
72 scenes option(changing sencurity level, each zone sensitivity mode)
When left and right panel are installed wrong ( when detecting metal object , left and right panel alarm lights will display in the opposite side) changing the value into 1
Indicate the battery level
Choose suitable working frequency automatically
Four infrared modes available (Infrared mode H0/H1/H2/H3) H0: Two sets of infrared off (control box does not count), humanoid light on H1: The left side infrared light is on, control box left side LED light board indicator on H2: The right side infrared light is on, control box right side LED light board indicator on H3: Two sets of infrared on, control box all LED light boards indicator on
Revise password(refer to first page of manual )

# Product Introduction

## Product illustration

The single-panel intelligent metal detector is a high-performance security gate that breaks away from the traditional design. It features a novel single panel and offers high sensitivity and stability within the specified detection distance. The product is made of high-strength special materials, which are lightweight and easy to transport and install. With a fully modular design and streamlined assembly process, it ensures product stability. Moreover, it has an intuitive user interface and is easy to use, requiring no training for operation.

The single-panel intelligent metal detector can be widely used in sports events, conferences, schools, and other occasions. This product has obtained multiple patents for its design and structure, and has been registered for its software system. It utilizes an electromagnetic field to detect personal metal items, and alerts through audio and visual signals when a certain amount of metal is detected. It consists of a mainboard, high-frequency signal generator, signal receiver, and infrared sensor. The product has an aesthetically pleasing appearance, strong metal detection capability, multiple detection zones, a unique internet-based remote operation management system, and lightweight. It is currently a leading-edge single-panel metal detector in the market.

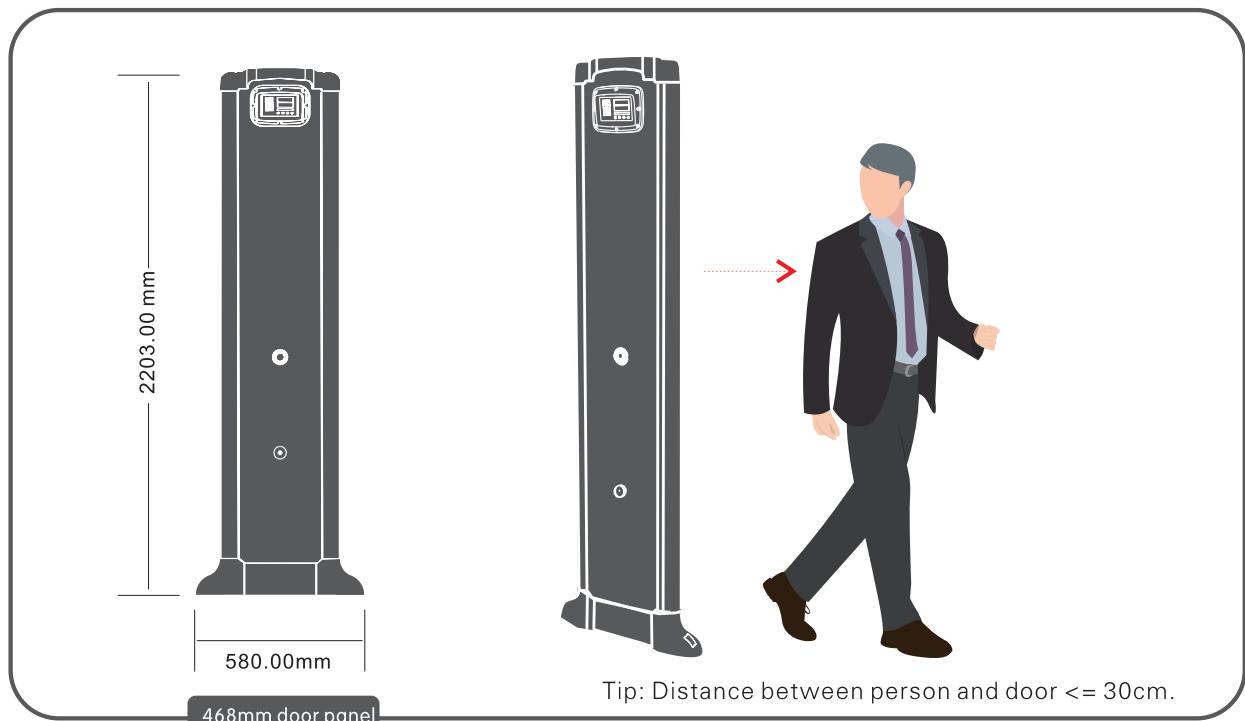
## Technology advantages

- Adaptive system; when system enters into adaptive mode, it can adapt the testing standard
- Start-stop technology: The infrared device is equipped with automatic start-stop technology, which prolongs the service life by 100 times
- The sensitivity of Each detection zone can be adjusted randomly ( with adaptive technology )
- Can Change the detection zones (customer oneself can convert detection zones easily)
- For Sound, Light alarm, alarm tone, alarm time length, can be change randomly.
- Query function: the system with real-time information query function.
- Detection ability; at least detect 100 persons within one minute.

## Specification

**468mm door panel**

- Detect object : contraband including mobile phone and metal
- Weight: net weight 19KG, gross weight: 23KG
- External size : 2203x580x116mm;
- Passage size: Distance between person and door <= 30cm
- Packing size:2285x675x155mm;
- Volume : 0.24m<sup>3</sup>
- Working humidity: 99%,non-condensing
- Working temperature: -40℃-60℃
- Input: AC 110 V-240 V/50HZ-60HZ
- Output: DC 12 V/4.2A 12W



## Application occasions

Walk through metal detector is used to detect metal object in the body. Typical application occasions as following:

- Airport, port; travelling check point
- Court, prison; visiting check point
- Conference, public building, stadium; entering control
- Power plant; staff, visiting check point
- Factory; anti-theft
- Hotel, restaurant, entertainment, KTV; visiting check point

By research and practice of long terms, we published this style device. And it also is use advanced technology and 100% security. According to the manual operating, will not exist any damage for the person passing through device.

# Common Fault Handling

## FAQ deal

NO.	Fault name	Fault description	Check failure	Fault judgment	Maintenance Tools
1	Cannot-boot	Can't be normally used after installation and connect the power.	1.Check whether the power line between main chassis and the door panels has been plugged in with AC220V power cord. 2.Check whether the power cord is damaged, broken, poor contact, and the main chassis power supply is normal.	1.Motherboard fault 2.Circuit fault	Visual, Manual operation
2	Boot does not show	Digital board is not bright	Check whether the motherboard connector panel is inserted properly.	Replace connecting line or digital board.	Visual, Manual operation
3	No count	The through number shows 0001 or 0000 or even not counting.	We picked up a phone, turn on the camera, the lens on the dot at the door will emit a glowing red dot, which means the infrared emission is normal, if not, the infrared is broken.	Replace the infrared component.	Visual, Manual operation
4	Disorderly alarm	It may appear automatic alarm when there is not staff through the detector.	1. Check the surrounding environment, try to change the frequencies. 2. When the sunlight direct to the infrared component, it may also appear automatic alarm.	1. Replace the infrared component. 2.Change the installation location to avoid the sun.	Visual, Manual operation
5	Omission	There is no alarm when walking through the detector with metal.	Normally it is because the sensitivity is too low, try to increase the sensitivity of eachzone.	Debugging capturecard.	Visual, Manual operation



NOTICE

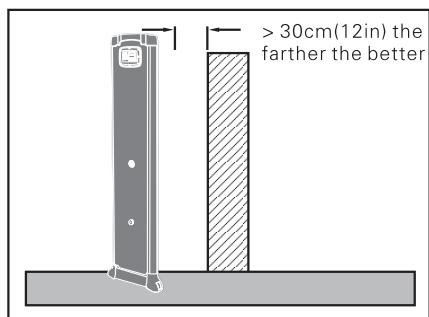
When Pop error code and can't work normally, please read this section carefully

# Kind Attention

## Installation environment

### Shaking Ground

Ground should be flat, with a solid support, to prevent vibration. Especially when there is presence of vibration of the metal structure under the surface, people walk through the detector may cause unnecessary alarms.

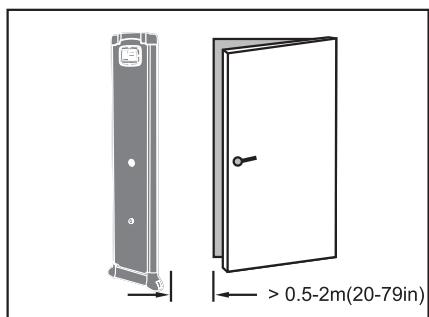


### Fixed the metal objects

The distance between fixed or a large metal object should be at least 30cm (12in) away from the WTMD to detect large metals. It has little effect on the sensitivity, but it may make WTMD more susceptible to vibration.

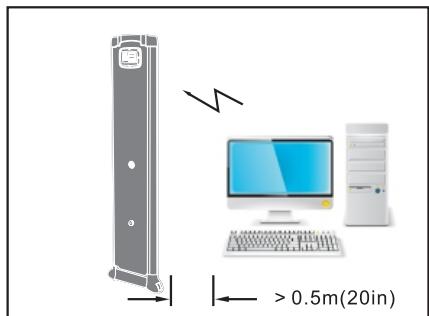


The distance of this section is recommend distance, the actual distance should be decided upon the installation site conditions.



### The moving metal objects

The moving metal objects outside the WTMD should keep a distance of 0.5-2m (20-79in) away from the door, thus to avoid false alarms. According to the size of metal objects, the distance between metal objects and the WTMD may be different.



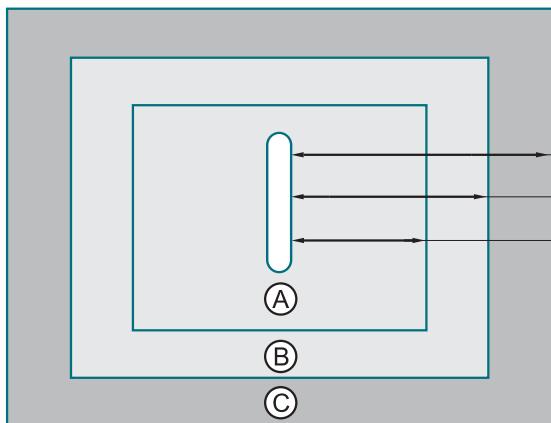
### Radiated electrical interference

The distance between electronic interference source and the receiving coil is the largest. The recommended minimum distance should be 0.5-4m (20-157in). However, the actual distance should be depended on the real conditions. For example, you can move the WTMD and the interference source to find the best position.

Interference may be provided by electronic control panel, radios and computers, image display, high-power motors and transformers, AC cord, thyristor control circuits, flash welding equipment fluorescent tubes and other equipment.

## Conductivity electronic interference

Connect the power cord to which is not connected to other large load (such as high-power motors, etc). They may result in a large power line or voltage shocks.



The recommended minimum distance between the interference source.

- > 0.5m-4m(20in-157in)
- > 0.5m-2m(20in-79in)
- > 0.1m(4in)



Please first read this section before installing device.

- A: The distance between the fixed metal objects
- B: There must be no movable metal objects
- C: There must be no electrical interference sources

## Multiple devices work side by side

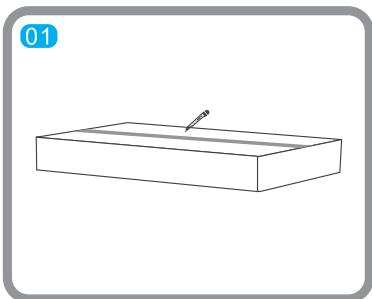
Work side by side is to point to multiple devices work close to each other. When it works side by side, walk through metal detector will interfere each other in a certain extent. Interference level is decided the distance between the devices, working frequency, sensitivity.

There are many different working frequencies chosen for walk through metal detector, so can reduce the interference between devices in order to work side by side. Please note, when it works side by side, all devices should set different working frequency.

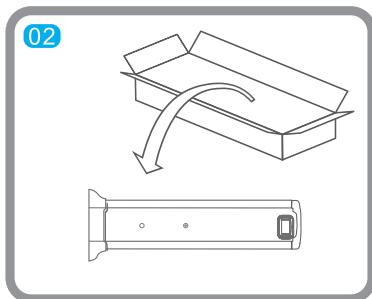
## Before working, device setting

Operator passes through walk through metal detector with the need to be detected metal. In the meantime, adjust sensitivity and security level, so that achieve customer's demands.

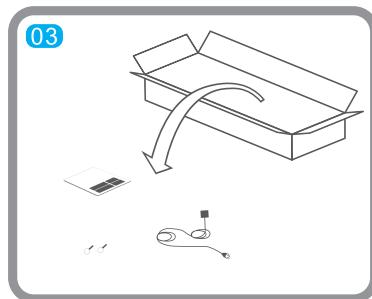
# Installation instructions



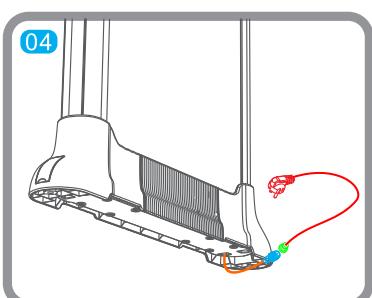
01 Check the package is complete and open the packing box



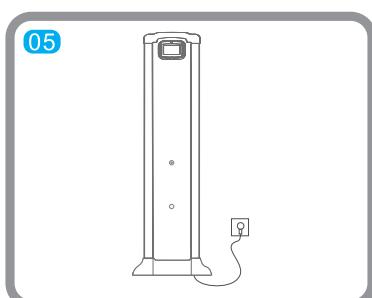
02 Remove door panels from packaging



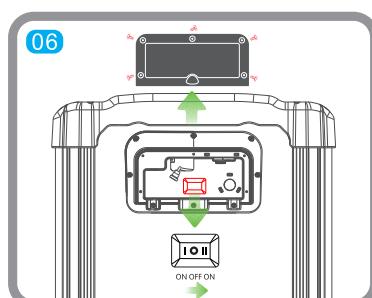
03 Take out the power cable and instructions manual from the package.



04 Connect the power cable to the power interface

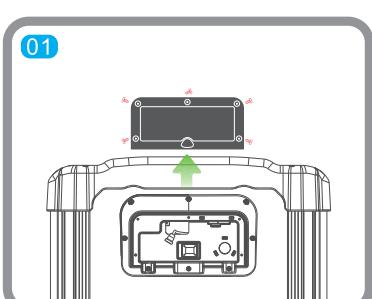


05 Stand the door panel up and connect to the power port

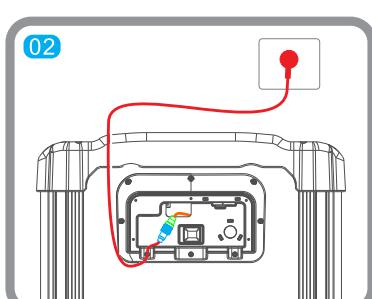


06 Remove the back cover, flip the switch to the right, turn on the power, start the device, install the back cover to use the device.

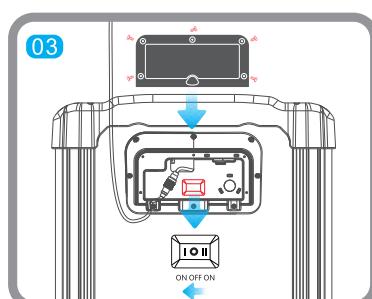
## Top power supply installation guide



01 Unscrew the rear cover and remove it



02 Connect the power port to the power cable and connect to the power supply.



03 Flip the switch to the left, turn on the power, start the device, reinstall the back cover, and start using the device.

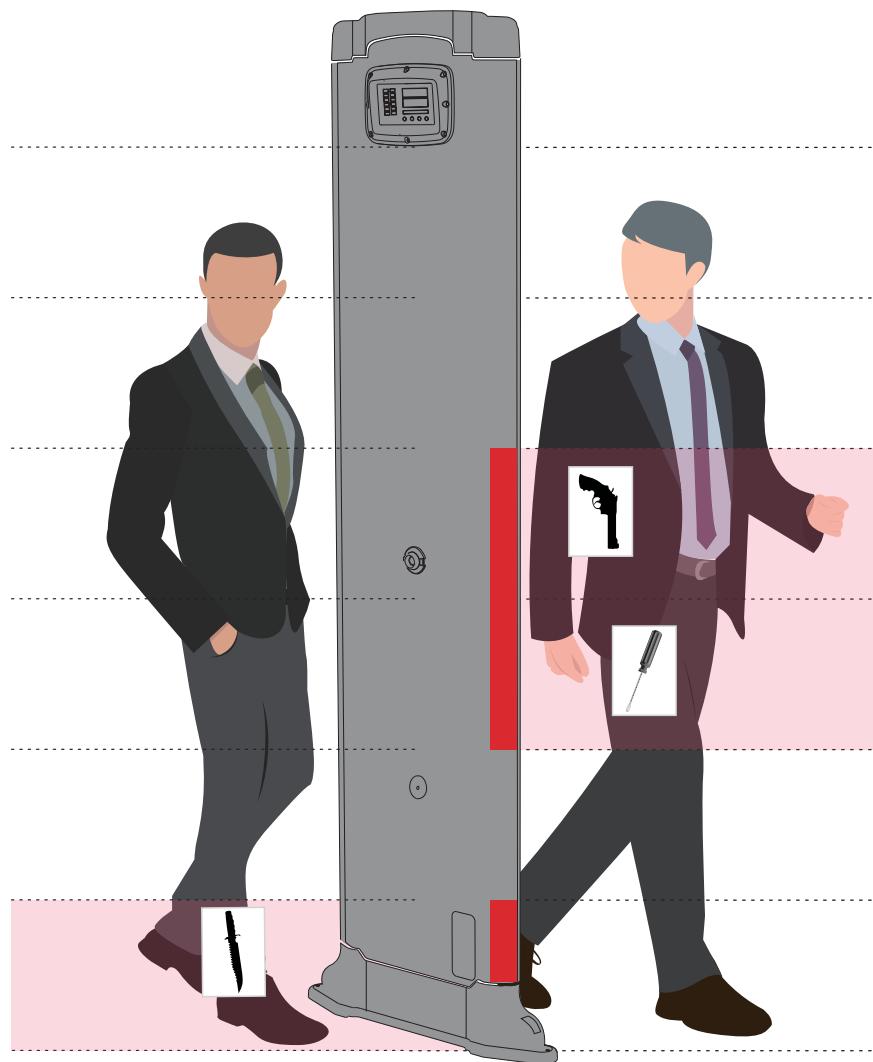


Please first read this section before installing device.

If need our technology supporting when installing and operating or setting specification,please call our service hotline. (refer to cover service card )

If have any doubt and advice regarding our product,please send email to our email address. When we received your email,will reply you immediately. Appreciate your supporting and understanding.

## 6 ZONE DIGITAL SINGLE PANEL



6 Zones