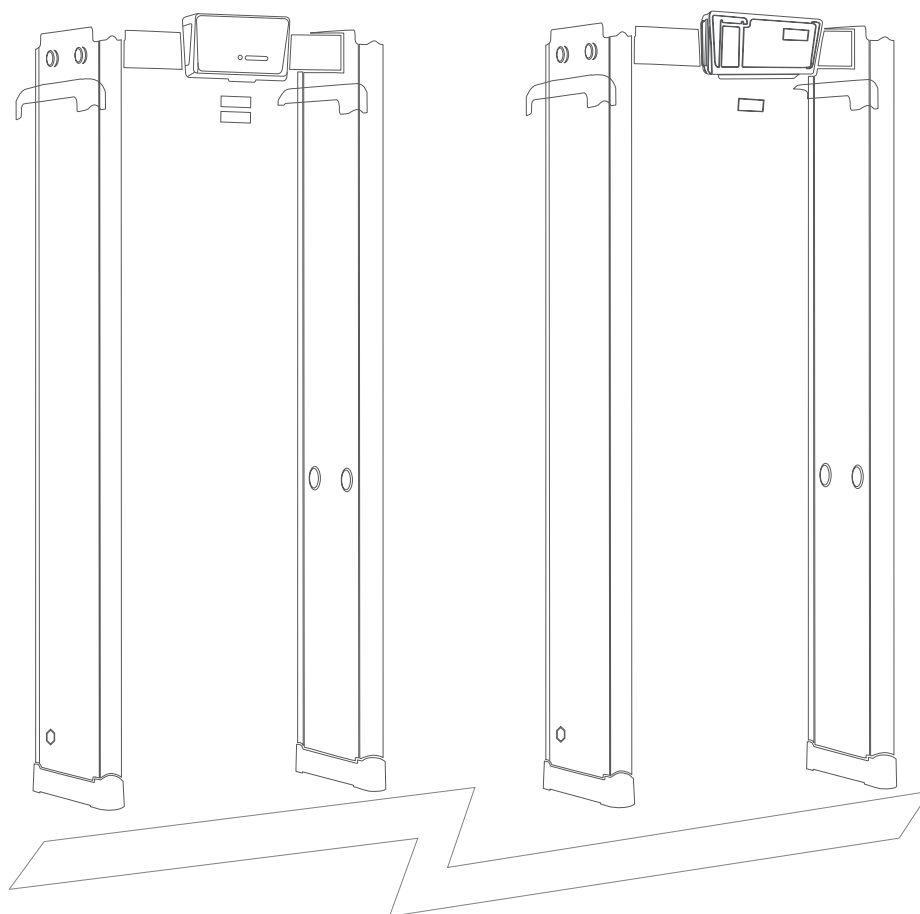
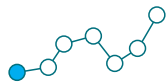


# User Manual

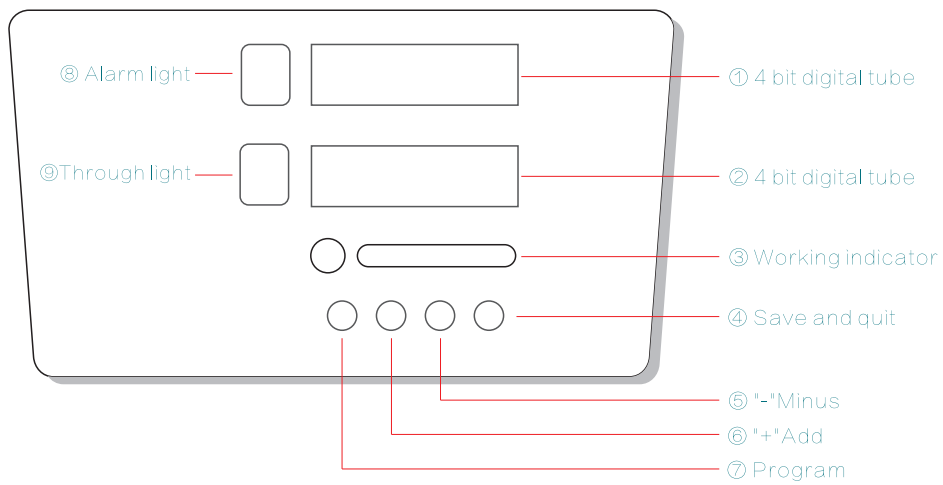
## Detection Zones Diagram Of Walkthrough Metal Detector



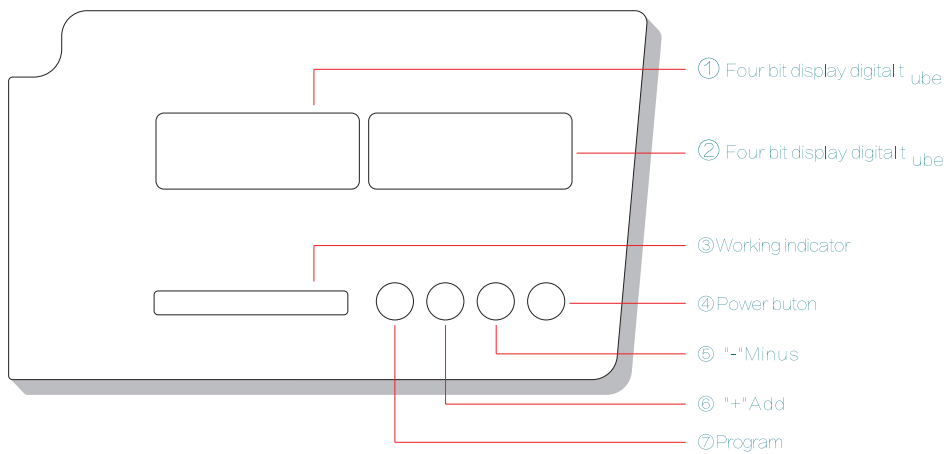


# Control Panel Settings

## ▶ 1/3 zone indication board diagram



## ▶ 4/6/L6 zones indication board diagram



Product Certification is on Service card back

## Starting up

Click ④ Power button-starting up, then ①② display: 0000 0000.

## Input password

When the startup screen displays "0000 0000", press (program key), the screen displays "P 0000", enter the set password, press the "+" key to change the value of the corresponding selected bit (0 ~ 9 cycle), press the "-" key Change the selection bit (can be shifted cyclically, select the corresponding bit to flash), if the input is correct, press (program key) to enter the next step of setting; otherwise the password is incorrect and the setting procedure cannot be entered, the display still shows "P 0000" until the correct password is entered Enter the setup program. Please remember your password!

## Revising password

If you need to change the password, when the startup screen displays "0000 0000", long press (program key) 3S, the screen displays "P 0000", enter the old password (press the "-" key to change the selection position, press the "+" key to change the corresponding selection Digits), after entering the old password, press (program key) to confirm, the screen displays C---, and then press the "+" key, the screen displays P 0000, then enter the new password (press "-" Key to change the selected position, press the "+" key to change the value of the corresponding selected bit), after the input is completed, press (program key) to save and enter the next level of settings. "+"



## Function Setting

Functional selection



① Alarm counter

program setting



② Pass counter

### ▶ 1/3 zone parameter setting



Before revising device specification, please read this section carefully.

#### Functional selection

Press Ⓞ keyboard  
Can select circularly at following functions

Function	Code
Enter the password	P
Working frequency setting	F
Security level setting	H
Zones	A

#### Spec setting

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

PXXXX	50 levels can be adjusted Volume 100 levels
0~50	
0~200	
1~3	

ONE

## Functional selection

Press **7** keyboard  
Can select circularly at following functions

3ZONE

Function	Code
Enter the password	P
Working frequency setting	F
Security level setting	H
Zones	A
Sensitivity Settings for each zone	L1
	L2
	L3
	R1
	R2
	R3
Alarm volume setting	yl
Alarm tone setting	yd
Alarm time length setting	d
Scene setting	AP
Column lamp switching	LP
Battery	BAT
Automatic frequency	AF
Infrared setting	IR
The new password	NP

## Spec setting

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

PXXXX	
0~50	50 levels can be adjusted
0~200	100 levels can be adjusted
3~9	
0~400	L1 detector sensitivity 400 level
0~400	L2 detector sensitivity 400 level
0~400	L3 detector sensitivity 400 level
0~400	R1 detector sensitivity 400 level
0~400	R2 detector sensitivity 400 level
0~400	R3 detector sensitivity 400 level
0~99	volume 99 levels
0~99	99 levels
0~99	Alarm time length 99 levels
1-72	72 scenesoption ( changing security level,each zone sensitivity mode )
0	
0~99	Battery display
0	
3	3 kinds of infrared mode (0:double infrared both close;1:only front infrared open;2:only back infrared open; 3:double infrared both open
NP0000	

## ▶ 4/6/L6 zone parameter setting



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
Security level setting	H
Working frequency setting	F
Sensitivity Settings for each zone	L1
	L2
	L3
	L4
	L5
	⋮
Alarm time length setting	d
Alarm volume setting	y
Alarm tone setting	yd
Infrared setting	R

## Spec setting

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

1~20	20 levels can be adjusted
1~50	50 levels can be adjusted
1~200	1 detector sensitivity 200 level
1~200	2 detector sensitivity 200 level
1~200	3 detector sensitivity 200 level
1~200	4 detector sensitivity 200 level
1~200	5 detector sensitivity 200 level
⋮	⋮
1~3	Alarm time length 3 levels
0~2	Volume 2 levels
1~10	10 levels
1~3	3 kinds infrared mode (Front IR ON /Back IR ON/ 2 IR ON)



# Product Introduction

## Product description

Muti-zone intelligent walkthrough metal detector with high performance, in the meantime, it has higher sensitivity, light weight, best resistance of interference and perfect stability. This model adopts high strength material, more lighter and convenient transportation and installation. With Fully modular product, assembly on flow line production, so can keep the stability of production. It is easy to operate with Intuitive interface. So can operate without any training.

Muti-zone intelligent walkthrough metal detector is widely used in athletic meeting, conference, school etc. This item is gotten shape patent, and achieve right of software registration. Its detection theory is to use electromagnetic field to detect metal object, and even detect Metal quantity by acousto-optic alarm mode. It consists of the main unit, HF signal generator, infrared sensor. It is most advanced metal detector gate with elegant shape, superior detection ability, muti-zone detection, unique operation network system, portable features.

## Technology advantages

- Adaptive debugging system; the system can be adaptive debugging detection standard when entering the debugging system
- Start-stop technology; the infrared device has automatic start-stop technology, and its life is extended 100 times.
- Recording sensitivity of each detection defense area can be adjusted arbitrarily (with adaptive regulation technology)
- The detected defense area can be divided by self-adjustment (the number of detected defense areas can be compiled by itself)
- Sound and light alarm, alarm tone and alarm duration can be adjusted arbitrarily
- Query function; the system has real-time information query function.
- Detection ability; have the detection passing ability of more than 100 people in 1 minute.

## Specification

- Detect object : contraband including mobile phone and metal

400mm door panel

- Weight : net weight 43 KG, gross weight 48 KG;
- External size : 2200x850x430mm
- Passage size: 2000x720x430mm (the width of passage can be customs made from 720-1500 mm)
- Packing size: 2270x700x230mm
- Volume : 0.365m<sup>3</sup>

300mm door panel

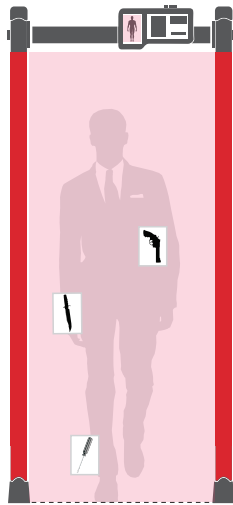
- Weight : net weight 33 KG, gross weight 40KG;
- External size : 2200x850x340mm
- Passage size: 2000x720x340mm (the width of passage can be customs made from 720-1500 mm)
- Packing size: 2270x640x230mm;
- Volume : 0.334m<sup>3</sup>

240mm door panel

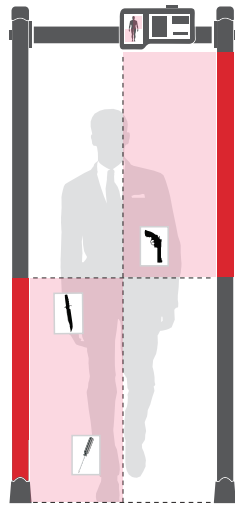
- weight: net weight 24KG, gross weight 26KG;
- External size: 2140x280x820mm
- Passage size: 2030x720x280 (the width of passage can be customs made from 720~1500mm)
- Packing size: Door panel: 2240x430x190mm ; Main box: 390x250x190mm
- Volume: 0.183m<sup>3</sup> 0.019m<sup>3</sup>

- Working humidity: 99%, non-condensing
- Working temperature: -20°C-85°C
- Power supply; can equip with backup battery. Can choose different supply time from 8/16/24/48 hours (optional)
- Input: AC 100 V-240 V/50HZ-60HZ
- Output: DC 12 V/4.2A 12W

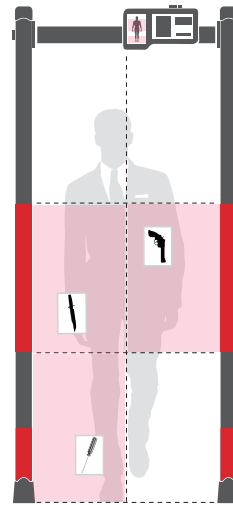
# Detection Zones Diagram of walkthrough metal detector



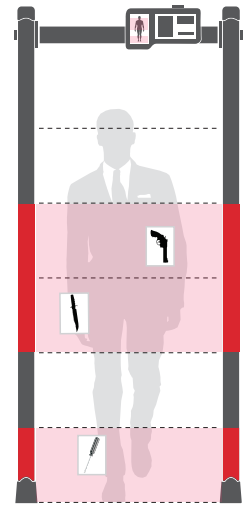
Single zone



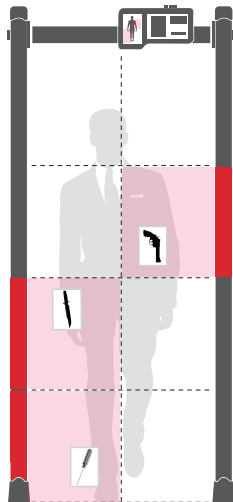
Three-dimensional 4 zones



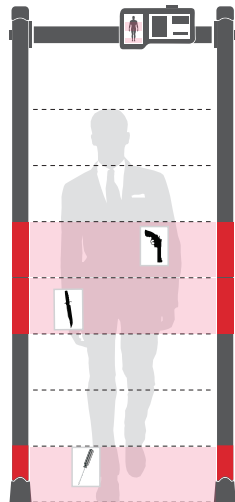
Erect 4 zones



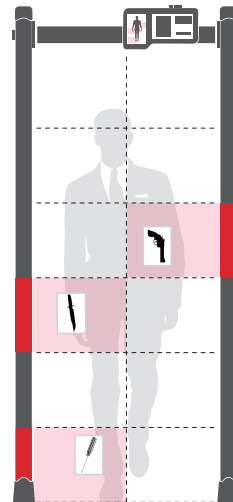
6 zones



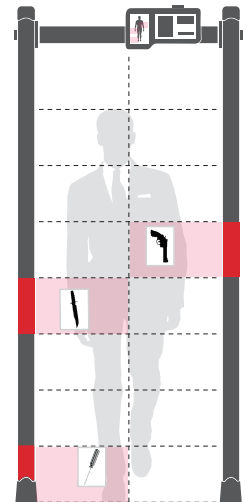
Three-dimensional 8 zones



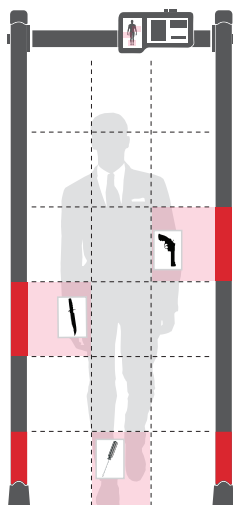
Erect 8 zones



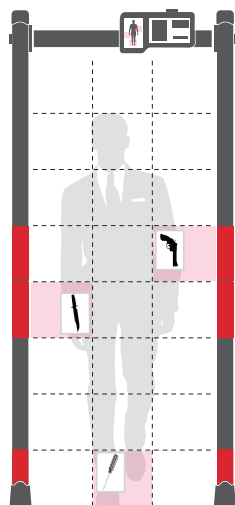
12 zones



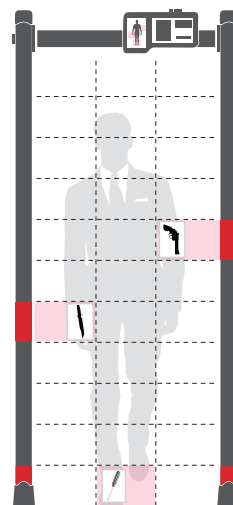
16 zones



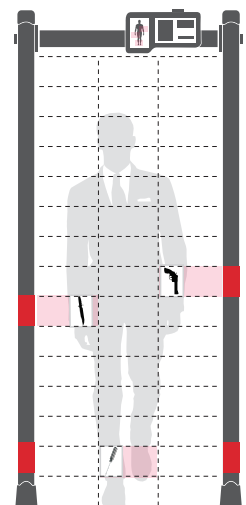
18 zones



24 zones

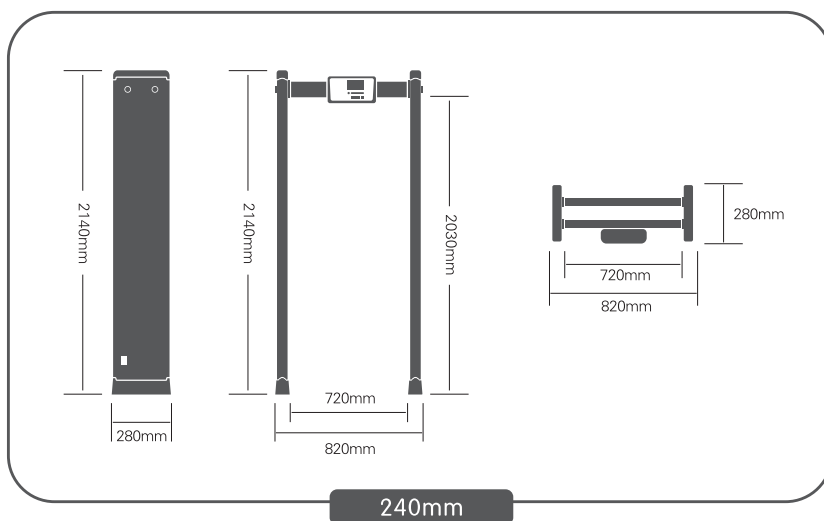
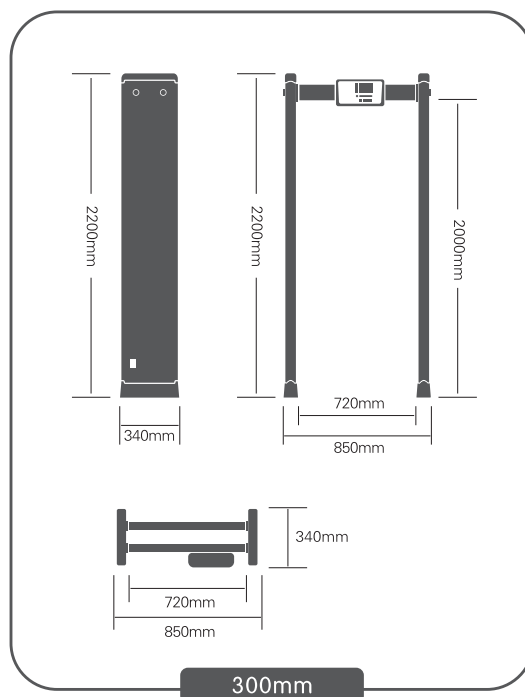
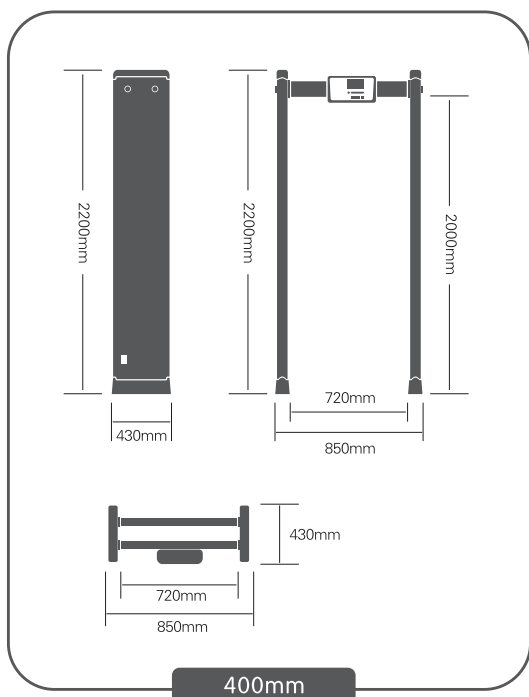


33 zones



45 zones

**Note: multiple zones will alarm at the same time when detecting metal object.  
So it is more precise to detect**



## Application occasions

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

- Airport, port, travelling check point
- Court, visting checking point
- Conference, stadium, access control
- power plant , factory hotel, restaurant, entertainment, power venue, KTV

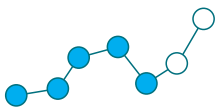
By research and practice of long terms, we published this style device. And it also is use advanced technology and 100% security. According to the manual operating,will not exist any damage for the person passing through device.



# Common Fault Handling

## FAQ deal

NO.	Fault name	Fault description	Check failure	Fault judgment	Maintenance Tools
1	Cannot-boot	Can't 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	The LCD screen does not light Digital board is not bright	Check whether the motherboard connector panel is inserted properly.	Replace connecting line or display and 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 aglowing 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 surroun ding environ ment, ortry 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

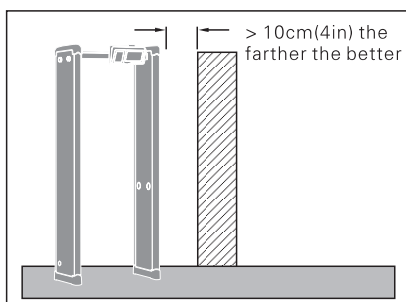


# Kind Attention

## 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.



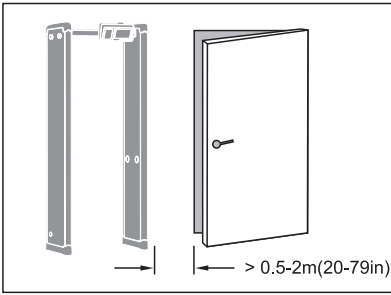
### Fixed the metal objects

The distance between fixed or a large metal object should be at least 10cm (4in) away from the WTMD to detect large metals. It has little effect on the sensitivity, but it may make WTMD more susceptible to vibration.



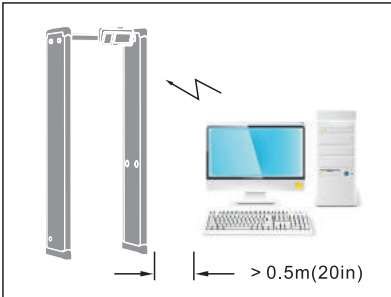
The distance of this section is recommend distance, the actual distance should be decided upon the installation site conditions.





### 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.

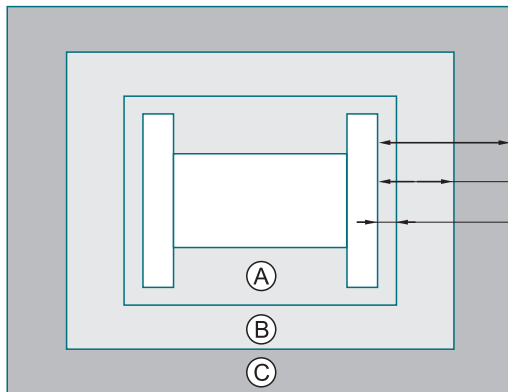
Interference may be provided by electronic control panel, radios and computers, image display, high-power motors and transformers, AC cord, thyristor control circuits, flash welding equipment fluorescent tubes and other equipment.



Please first read this section before installing device.

### 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)

- A: The distance between the fixed metal objects
- B: There must be no active 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 work 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.

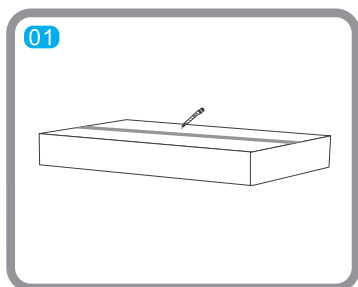
There is many different working frequencys choosen for walk through metal detector,so can reduce the interference between device in order to work side by side.Please note,when work side by side ,all device should set different working frequency.

## Before working, device setting

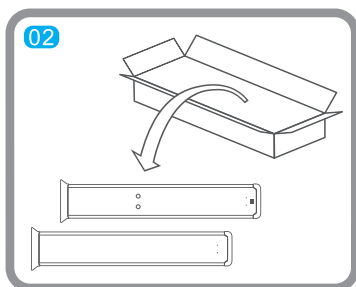
Operator passes through walk through metal detector with need to be detected metal. In the meantime adjust sensitivity and security level,so that achieve customer' s demands(note;factory standarder is that one yuan coin transversely pass and will exist alarm)



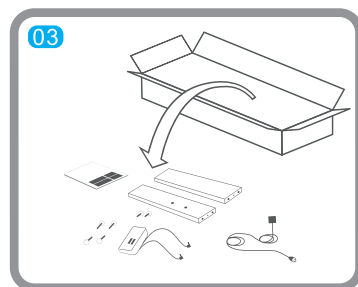
# Installation instructions



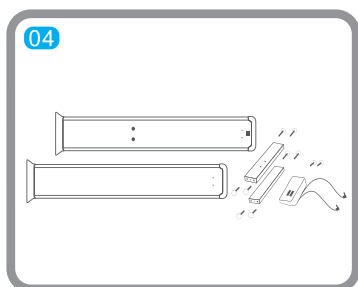
**01** Please check whether packing is ok



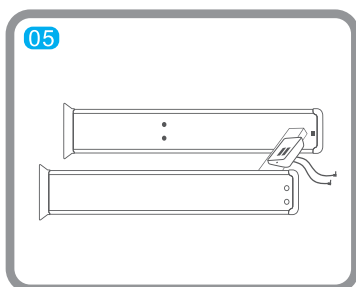
**02** Take out left and right door panels from door panel carton



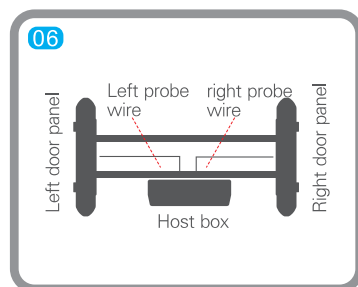
**03** Take out the manual, cross beam, host box, power wire from main unit carton



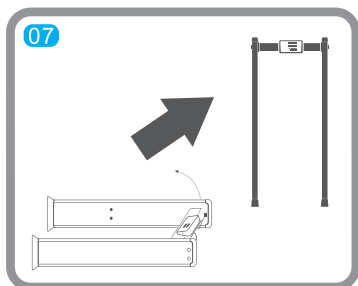
**04** Prepare door panel, cross beam, host box, screws according above diagram



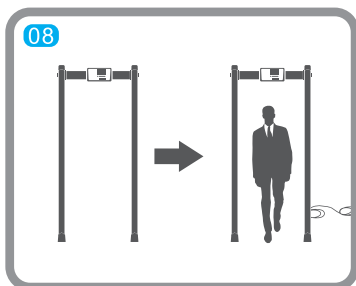
**05** Install cross beam and host box according to above diagram, meanwhile tighten screws



**06** Connect the detection wire of host box and both sides panels together



**07** Put up the equipment, and finish installation



**08** Connect power and device, then open starting up button, so device can work normally.



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 adress. When we received your email, will reply you immediately. Appreciate your supporting and understanding.



# Warranty Terms

## Article 1

In order to protect the legitimate rights and interests of consumers, clear and definite manufacturers, distributors, repair business of walk through metal detector for repairing, replacement, returning (hereinafter referred to as the three package) responsibility, according to <the product quality law of People's Republic of China >, < Consumer Protection Law of People's Republic of China > and the relevant laws and regulations, to constitute this provision.

## Article 2

Walk through metal detection door is to point to consumer buy this kinds device for special security check.

## Article 3

In the territory of People's Republic of China, 'walk through metal gate' s repairing, replacement, returning, shall comply with the provisions of this.

For walk through metal gate, implement this principle who sell it will be responsible for the three pack. The three package is valid from the seller issued purchase invoice or the installation is calculated from the date of acceptance (the arrival of the goods a week because consumers unilateral factors cannot be installed or invoice, warranty period take effect after one week automatically). The period of validity of three pack include whole machine, Main component and system quality guarantee period, Quality guarantee period of quick-wear part and other parts. During three package, if product exists problem of quality, consumers can contact the seller in by three package certification. accordance with the provisions of the replacement, return conditions, consumers with three bags of evidence, repair records, purchase invoices for replacement, return. Beyond the prescribed time limit

## Non three packs of responsibility

In the period of validity of the three pack, the seller, the manufacturer, and the repair merchant can prove that one of the following circumstances, does not bear the responsibility of the three package, but shall provide reasonable repair

1. Beyond the prescribed time limit
2. Transfer to other users
3. No valid invoices and three packs of certificates
4. The product brand, model, code and requirements on invoice or three package are not in conformity with product required

## After-service warranty card

Customer name \_\_\_\_\_ purchasing date \_\_\_\_\_

Phone \_\_\_\_\_ purchasing ways \_\_\_\_\_

Address \_\_\_\_\_

Product name \_\_\_\_\_ Model \_\_\_\_\_

After-service record \_\_\_\_\_

After-service record \_\_\_\_\_

After-service record \_\_\_\_\_

After-service record \_\_\_\_\_

\*REMARKS\*

\_\_\_\_\_

