

## Digital Network PA & VA Integration Public Address, Voice Alarm, BGM & Paging System

## Digital Network Public Address & Voice Alarm System



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\* Specifications are subject to change without notice.

# PROJECT REFERENCE



Beijing Olympic Forest Park    Beijing Olympic Forest Park    Guangzhou Asian Games Swimming and Diving Stadium



Asian Games NBA Stadium    Asian Games NBA Stadium    Guangzhou Police Office    Guangzhou South Train Station



Shanghai World Expo - Oman Pavilion    Shanghai World Expo - Pakistan Pavilion    Shanghai World Expo - Ireland Pavilion    Shanghai World Expo - Turkmenistan Pavilion



Shanghai Oriental Pearl    Beijing Subway Station    Beijing-Tianjin inter-city Express    Beijing University of Technology Gymnasium Stadium



Shangri-La Hotel, Guangzhou    Guangzhou Colgate-Palmolive Co.    Qinghai People's Hospital    Zhongshan University



# Company Introduction

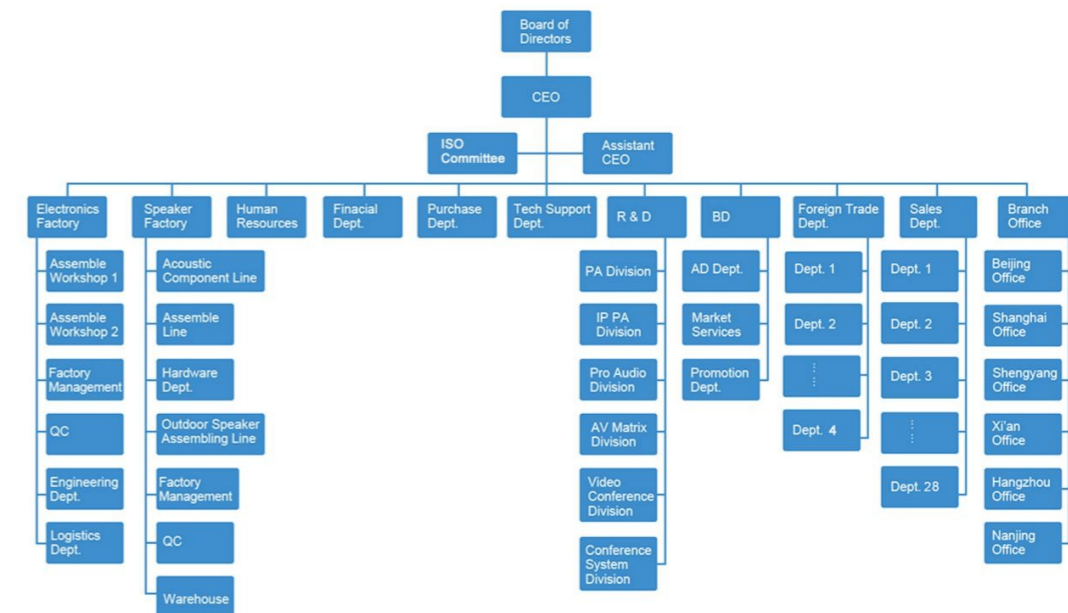
Guangdong Baolun Electronics Co., LTD. (ITC) was established in 1993, located in Panyu district of Guangzhou. ITC is the No.1 and the largest integrated supplier of audiovisual & lighting systems, integrating R&D, production, sales and service together in China for more than 30 years. ITC owns 4 office buildings, 6 R&D centers and 5 factories. There is also an industry-leading intelligent manufacturing industrial park of over 300,000 square meters under construction, which is expected to be put into operation by the end of 2023. We have 1200 R&D engineers, 2000 pre-sales and after-sales technicians, 142 sales departments, all totally more than 6000 employees.

ITC can provide integrated solution from PA system, IP intercom system, Voice evacuation system, HD video conference system, 5G digital conference, Paperless conference, Interpretation system, Central control system, Professional sound system, LED screen, Stage light & Architectural light, etc. We are the official supplier for important events, including 2008 Beijing Olympic Games, 2010 Shanghai World Expo, 2010 Guangzhou Asian Games, 2016 Hangzhou G20 Summit, 2016 Turkey expo, 2022 Beijing Winter Olympics, India subway, USA chain shops, Guyana national conference, Uzbekistan national defense conference, Five Nigeria national airport, CBE Ethiopia bank ....Our worldwide successful projects are more than 1.5 million cases, and itc products have been exported to more than 100 countries around the world.

All of our products are developed and manufactured by ourselves. Our products are compliant with CE, RoHS, EN54, UL, CCC, NOM certificate.

ITC possesses more than 3000 intellectual properties, including appearance patents, software copyrights, utility model patents and invention patents, and has won the honorary titles of "Quality Product", "Famous Brand" and "Most Competitive Brand" for many years. ITC is the "High-tech Enterprise" in China.

## Company Organization



## Our Production Lines

A group of highest technology equipment are used to strengthen the reliability and output capacity: SMT machine, reflow oven & numerical control cutting machine. 95% PCB of the equipments are made by SMT machine to ensure quality consistency and higher reliability. The numerical cutting machines enhance the equipment in elaborate & elegant level. A comprehensive process of tests are be involved: drop test, vibration test, aging, Hipot & RoHS test.

## Certificates:

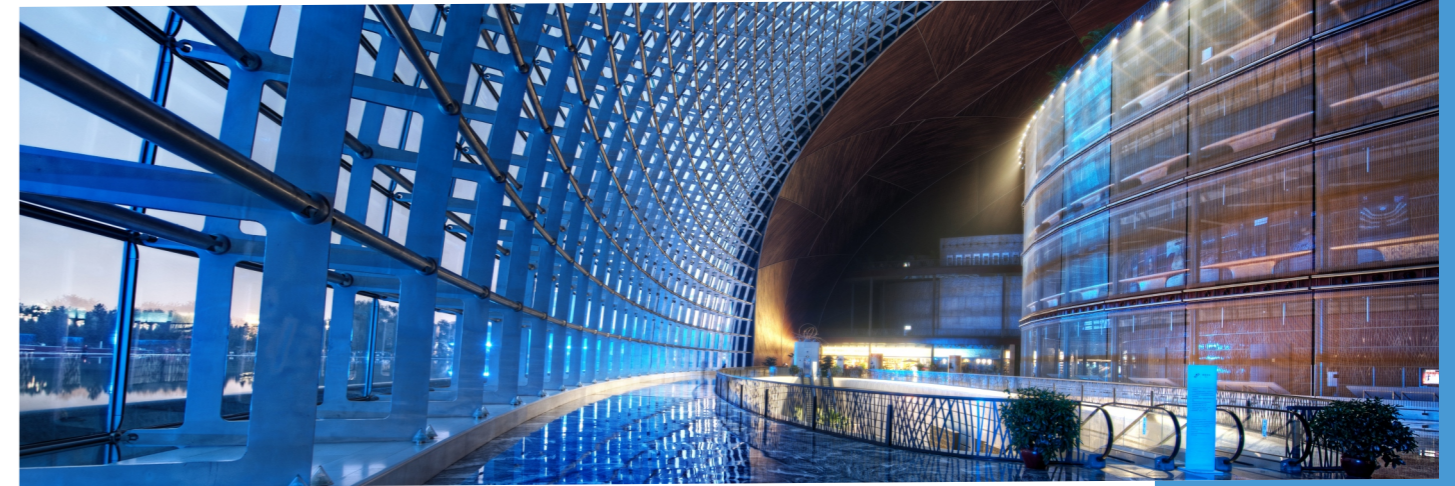
CCC, ISO9001, CE & RoHS, IEC60914. Parts of our product are complied with certificates: CB, SASO, ETL, UL, FCC, EN54-16 and EN54-24. Parts of loudspeakers are certified by waterproof, dustproof, fire-proof & explosion-proof.



## Headquarter



## Factory



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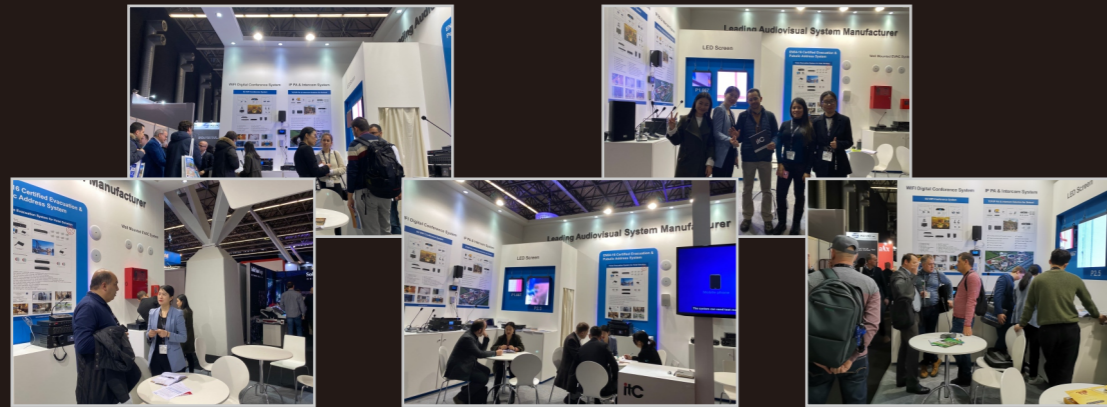
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## Showroom



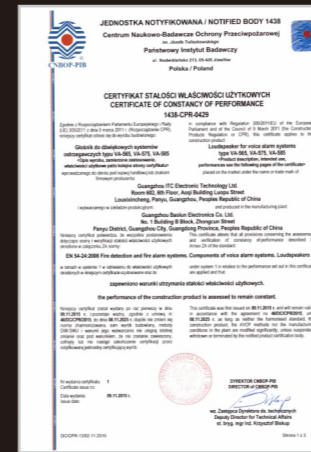
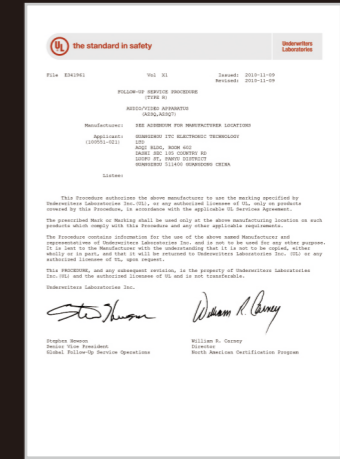
## Exhibitions



## Seminar



## Certifications



# HISTORY



## Year 1993

ITC was founded in Guangzhou, regarded as pioneer of Digital Public Address System in China.

## Year 1995

ITC successfully registered trademark ITC in China.

## Year 1998

The first full-intelligent PA system was successfully developed and launched to the market.

## Year 2000

ITC set up 8 sales subsidiaries and technical assistance centers in Guangzhou, Beijing, Shanghai, Hangzhou, Nanjing, Xi'an, Shenyang and Chengdu. ITC also established proxy services agencies in 48 provinces all over China.

## Year 2001

The first digital network PA system was successfully developed and launched to market.

## Year 2002

Due to speed business expansion, ITC set up numerous large production plants in Guangzhou. The whole company broadened to six large plates: four production plants + marketing and logistics center + R & D center; totally more than 800 manufacturing workers.

## Year 2003

ITC developed full-digital IP PA system; became the world's first IP PA R & D manufacturer. In the same year a full range of products passed quality inspection, 3C, CE, RoHS and other domestic and foreign certification.

## Year 2004

For successive years, ITC was awarded as "The Most Competitive Brand" and "Top Ten PA Brand" by domestic renowned media.

## Year 2005

In order to meet the needs of global strategy, ITC had registered in 35 countries "ITC" trademark, and collaborated with 56 high-quality foreign strategic partners.

## Year 2006

ITC was awarded as "Intelligent Building Quality Products," "Intelligent Building Leading Brands" as etc by China Intelligent Building Industry Association. There' s no replacement in the professional field.

## Year 2007

The first most advanced Fire Alarm Voice Evacuation System was successfully developed. Till the end of 2007, ITC had won totally 12 core technology and design patents.

## Year 2008

ITC successfully marched into 2008 Beijing Olympic games: the Olympic Forest Park, Capital Stadium, Beijing Industry University Gymnasium, and the Olympic Media MCI sign Center and other key Olympic venues.

## Year 2009

ITC successfully marched into the Shanghai World Expo venues including Oman, Ireland Museum, Museum of Turkmenistan, Pakistan, and Iran and so on. In the same year, she went into Asia's largest railway station (South Station in Guangzhou), Beijing Subway, Beijing-Tianjin inter-city Express and other famous projects.

## Year 2010

ITC successfully marched into 2010 Guangzhou Asian Games Venues including Gymnasium, NBA Stadiums, Swimming Pool, Bicycle Roller Skating Center, the Athletes Village, Main Press Centre, Media Village, Technical Officials Village and other logistics service area. ITC cooperated with numerous well-known enterprises the following eminent projects: the Polish National Central Banks, the International Financial Building of Azerbaijan, the Romanian Five-star Hotel, the Dubai Seven Star Hotel, the Singapore Racecourse, the USA Florida Intercontinental Hotel, the University of Toronto, the National Museum of Istanbul, the Turkey Istanbul High School, the London Art Galleries and so on.

## Year 2011

ITC successfully installed Network Audio System for Shenzhen 2011 World Universiade Olympic Games. Move into new 20,000 square meters manufacturing plant, SMT machine, digital PC controlled punching machine been imported. Cobranet network system and Linux Network Audio System have been launched. Launched new digital conference system.

## Year 2012

ITC launched its Cloud-based HD Video Conference System to realize the conference meeting face to face by video without geographical limitation.

## Year 2015

ITC installed IP PA & Intercom System in the Subway Center of Chanakyapuri New Delhi India.

## Year 2016

ITC installed Evacuation Voice Alarm Public Address System and IP Network Intercom System to EXPO 2016 Antalya in Turkey.

## Year 2017

ITC LED Screen, Stage lighting, architecture lighting factory established. ITC Turn-key solution applied to UNASUR Building , Bolivia.

## Year 2018

ITC conference system used in the United Nations Convention. Large conference system applied to Ethiopia Afar National Regional State Finance & Economic Development Bureau, Africa.

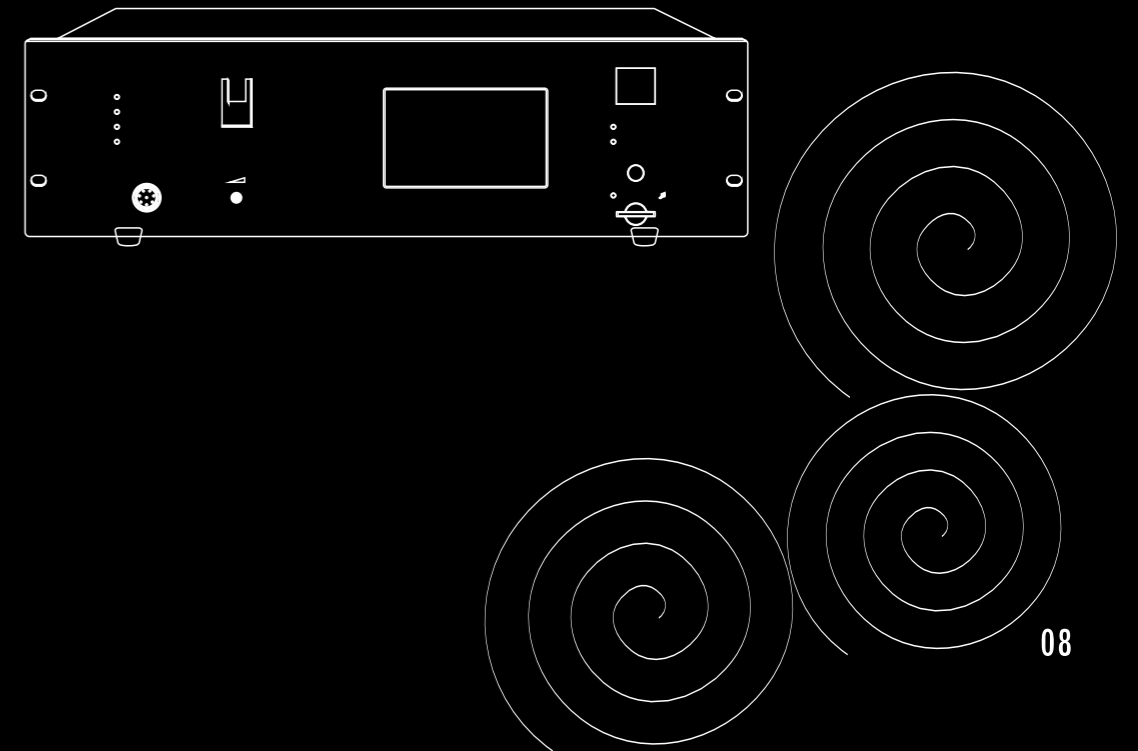
## Year 2019

ITC own independent R&D building which area is about 4,200 square meters. KTV One-stop Solution applied to Grand Park Hotel Myanmar.

## Year 2020

Foundation Laying Ceremony of ITC Industrial Park. ITC 243.3m<sup>2</sup> P10 Outdoor LED video Wall applied to Vincom Mega Mall Ocean Park City Vietnam.

## Voice Evacuation Alarm System VA-6100



## Voice Evacuation Alarm System

### System Overview

VA-6100 EVAC Fire Alarm System is a fire broadcasting system based on Ethernet hardware technology and TCP/IP network protocol. It uses the network to transmit digital audio, ensuring that audio signals can be transmitted over long distances and solving signal attenuation in long-distance transmission, environmental electrical and magnetic disturbance; the use of network architecture for transmission greatly reduces the initial construction and wiring costs of the system. The simple system architecture brings convenience to later system expansion and maintenance. The fire emergency broadcast system is an important equipment for fire escape, evacuation and fire extinguishing command, and plays an extremely important role in the entire fire control management system. The main goal is to release broadcast information in case of fire, evacuate the crowd in time, and ensure the safety of people's lives.

The EVAC Fire Alarm System is mainly suitable for medium and large public places such as star hotels, Grade A office buildings, shopping malls, factory parks, stadiums and exhibition halls, hospitals and schools, train stations, airports, etc. It can also meet the needs of emergency broadcasts, background music, business broadcasts, etc. need. Among them, background music can play relevant music according to needs to create a good environmental atmosphere. Business radio can provide convenient and fast information prompts for administrative offices and property management. Fire emergency broadcast can provide necessary voice alert in critical situations such as fires and earthquakes. Background music is played when there is no fire alarm and business broadcasts can be inserted at any time. Once a fire alarm is detected, a fire alarm signal is immediately forced and the system switches to the emergency broadcast working state, and the preset voice evacuation broadcast is started. It can also be done through the call microphone. It is best to evacuate the crowd and conduct command work in a timely manner to ensure the safety of people and property.

### System Features

- ◎ Comply with GB 16806-2006 and EN54 fire protection linkage system requirements;
- ◎ Based on layer 3 network transmission technology and compatible with standard network protocols;
- ◎ One system simultaneously meets multiple needs such as business broadcasting, fire broadcasting and background music broadcasting;
- ◎ The system adopts self-developed digital audio technology, with ultra-low audio transmission delay;
- ◎ Compatible with 3-wire and 4-wire standard wiring;
- ◎ Real-time monitoring of system status and real-time detection of speaker lines;
- ◎ System equipment supports tftp network remote upgrade and ftp file management;
- ◎ Power amplifier with self-protection mechanism, automatic isolation of short-circuit loops, overload, overcurrent, overvoltage, and overtemperature protection;
- ◎ Power amplifier with automatic sleep and automatic wake-up functions;
- ◎ Dual power supply design, when the main power supply fails, it automatically switches to the backup power supply.

### Product Functions

#### The host is integrated with built-in voice alarm modules of 4 independent channels

The host is integrated with independent emergency voice information, warning information and background music modules. The users can switch the functions freely according to the environment, languages and preferences.

#### Multiple programmable voice alarm modes

The alarm modes can be neighboring zones, selected zones (including all zones), which makes the system easy to operate and applicable in different environment.

#### Multiple operation modes, off-line operation achievable

The system host adopts visible embedded man-machine operation interface and supports multiple PC software operated at the same time.

#### Program Timing

The system host is built in with MP3 player and program timer, which enables the timing playing diversified and flexible. The users can set the timing programs according to different requirements.

#### Local program input

The system host, 8 zone amplifier and 8 channel changeover have local program input port, which can input music and Mic audio signal.

#### Telephone Input

Integrated intelligent telephone interface makes the system easy to realize online remote operate and control via system network. The system also supports event trigger call, can be set re-calling times when no answering.

#### One key touch for emergency alarm and one key touch for reset

The system host supports one key touch for emergency alarm and one key touch for reset, ensuring the system responses quickly at emergencies.

#### Remote broadcast and remote control

The system host can connect 4 remote Mics at the least distance of 1km and supports remote program playing, zone control, one-key touch for reset, local programs inserting, etc.

#### Amplifier backup

8 zone amplifier and changeover have amplifier backup function, ensuring the backup amplifier can take replace the master amplifier automatically when it fails to work.

#### Host backup

The system host supports hot backup. The added backup host can replace the master host automatically when it fails to work, which makes the system keep working continually.

#### Two volume control relay modes

The relay modes of three-wire volume control and four-wire volume control enable the system flexibly applied in different places.

#### Real-time state display

The system equipments have plenty real-time state indicators like power supply, working state, failure indication, etc. The users can check equipments' operation state directly and quickly.

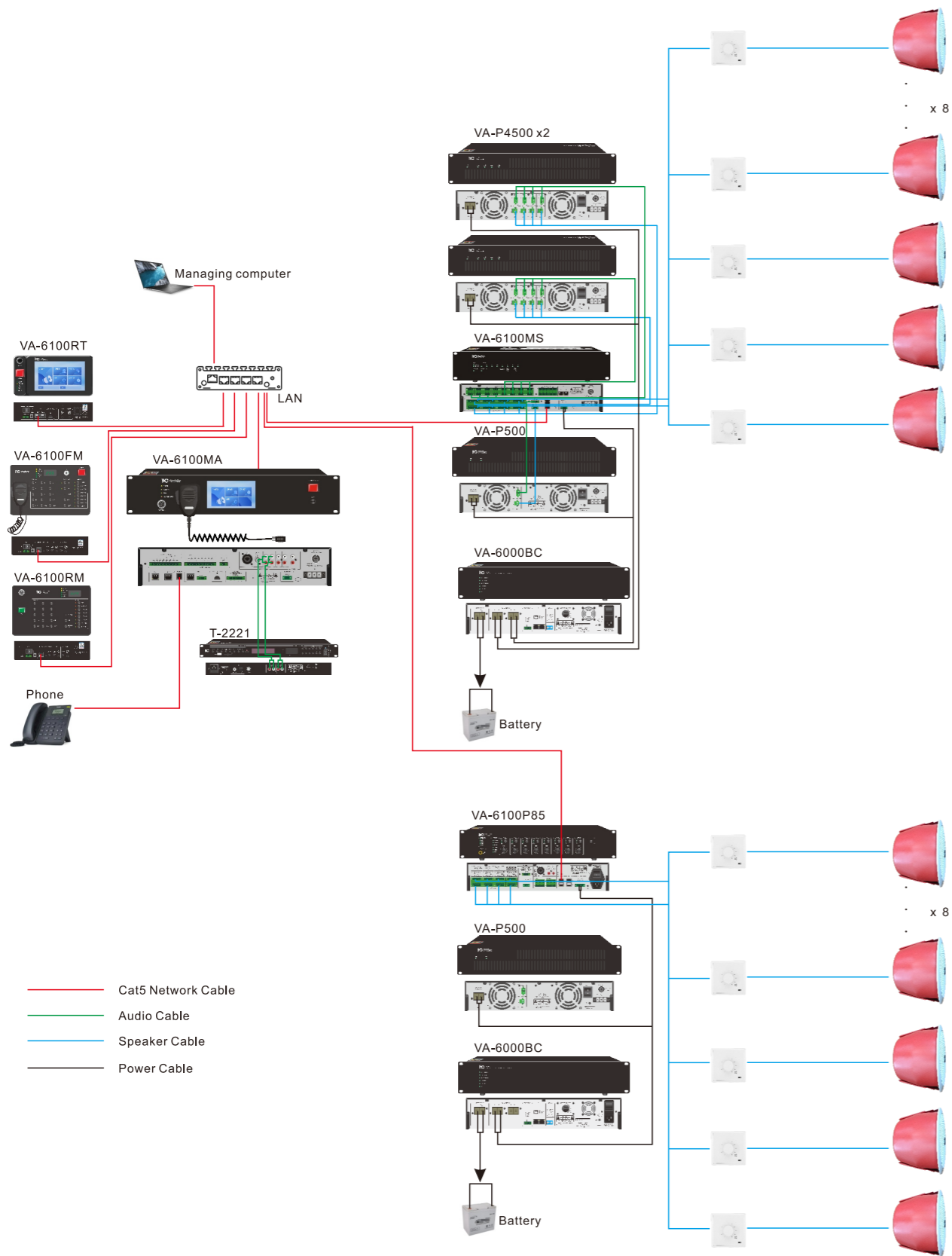
#### Real-time state output

The system host is equipped with failure and working state output interface. Cascade connected with the third-part equipments, the host can send real-time operation states of the system.

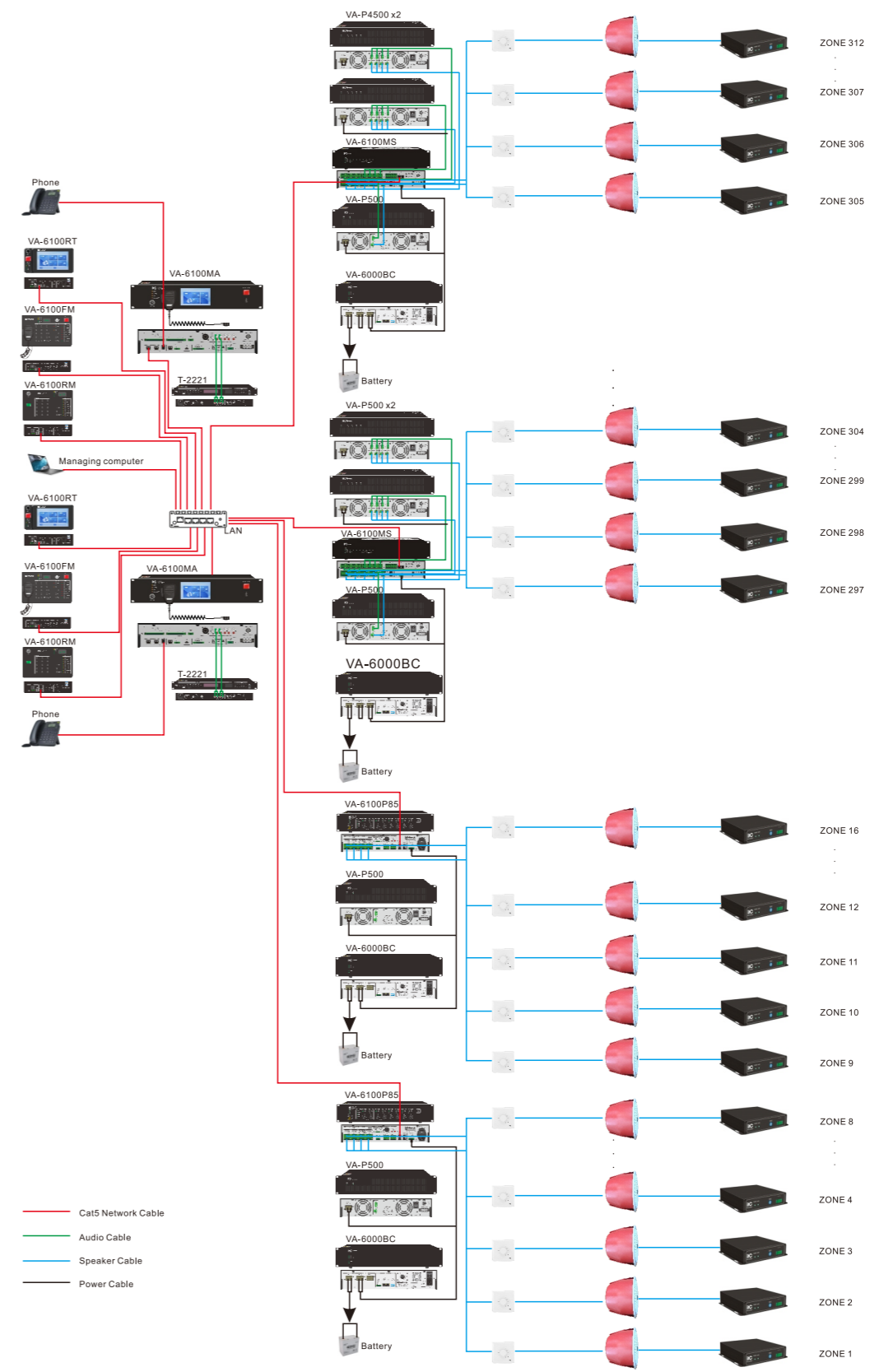
#### Third-party equipment online interface

The system host has third-party equipment online interface. It is convenient to monitor and control the system remotely.

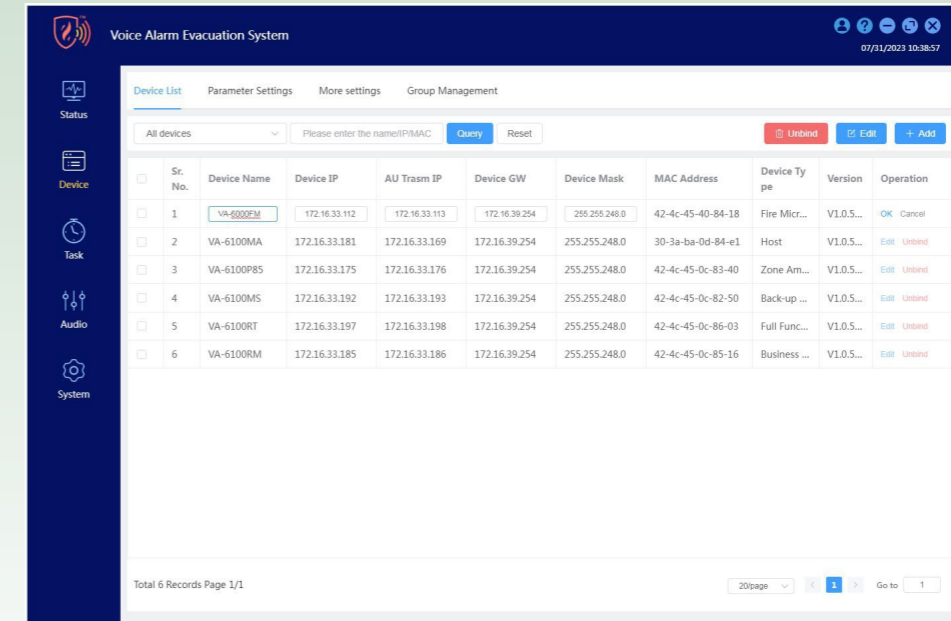
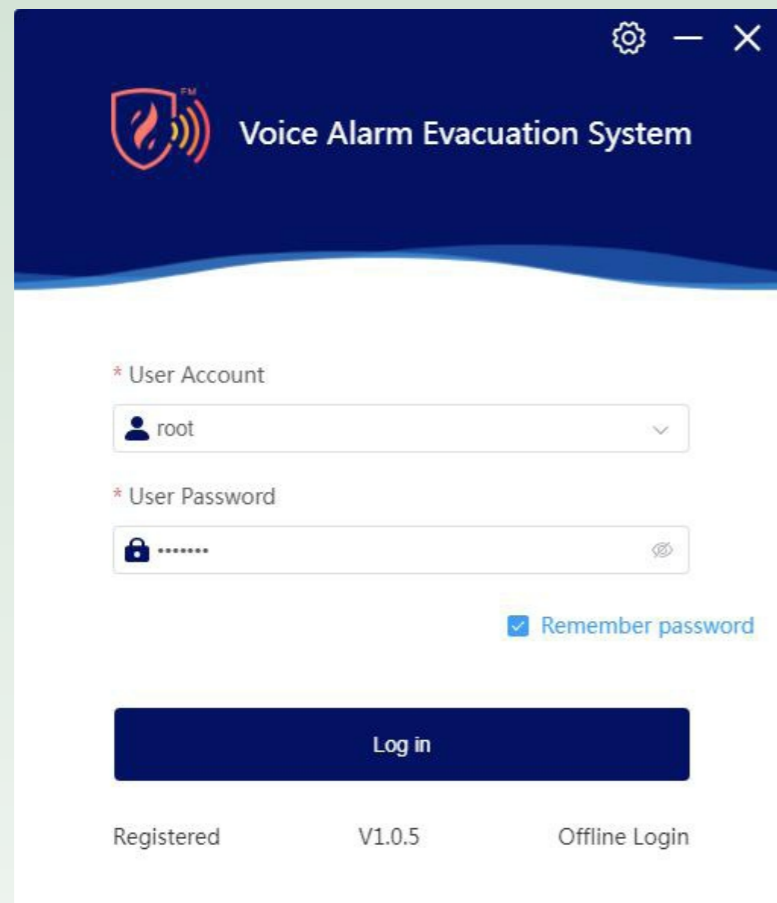
16 Zone EVAC System Connection Template



312 Zone EVAC System Connection Template



EVAC System Software V2.012  
VA-6100ST



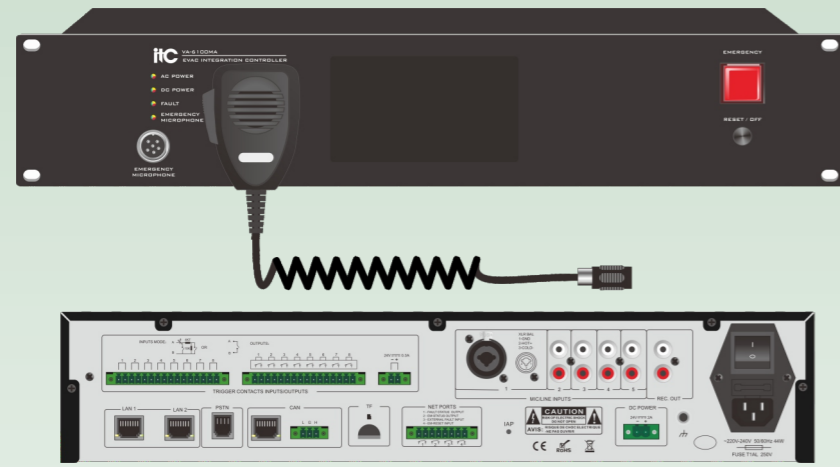
**Descriptions**

\* The fire alarm EVAC management software is mainly used for the control of related equipment, status information viewing and task setting of the fire broadcast system. It is the overall management background of the fire broadcast system. On this basis, it can realize the broadcast task issuance, task control and editing, task priority adjustment, user management, system operation records, upgrade of related firmware and other related functions.

**Features**

- \* Supports Chinese, Traditional Chinese and English versions , and the language version can be switched in the system.
- \* Supports viewing device status, including the controller, partition amplifier, backup machine, full-function microphone, fire microphone, business microphone and other device status as well as the status of each port and each linked device.
- \* Supports fault prompts. If the device or its linked device has fault information, a pop-up window will appear on the main page. Click to enter the device status details page for viewing.
- \* Supports device management and configuration, can add devices, and upgrade the firmware of each device.
- \* Supports setting parameters for each device, adjusting charger status, sleep mode, audio priority and other configuration items for each device .
- \* Supports overall system settings, which can set the fire alarm trigger mode, charger temperature, audio priority and other configuration items of the overall system.
- \* Supports device group management, which allows you to drag devices into groups, add, delete, and modify groups, and manage partitions within groups.
- \* Supports audio file management, supports uploading/deleting audio files, supports audio file audition, search and filtering.
- \* Supports full system broadcast control, can manage broadcast tasks by partition, and supports adjustment of audio source input, switching, and closing of each partition.
- \* Supports BGM playback by partition, and can perform operations such as play, stop, previous song, next song, etc. of BGM.
- \* Supports scheduled task management, including adding scheduled tasks, editing scheduled tasks, deleting scheduled tasks, etc.
- \* It supports contact tasks, that is, fire task management, supports adding and editing tasks, and can also select output contacts at will. Selection means linkage.
- \* Supports user management, including adding, deleting and modifying users, enabling and disabling users, and recording the last login time of users; user permissions can also be set.
- \* Supports log management, and can view operation logs, task logs, and status logs.
- \* Supports system configuration, supports setting controller time, and also supports exporting system backup and restoring system.
- \* Supports master-slave configuration function, and can configure a backup controller. When a controller has a problem, the backup controller can support and continue the playback task.

Digital Network PA & Voice Alarm Controller  
VA-6100MA



Descriptions

VA-6100MA Controller is the core management and control equipment for building public broadcasting and fire emergency broadcasting. It uses a 5-inch high-definition touch screen to directly complete system control and status query. The system function configuration and control can also be performed through PC management software. It can automatically complete the monitoring and management of the system physical partition status, automatically complete the monitoring and management of terminal equipment, and automatically execute user pre-programmed control, etc.; the built-in programmable trigger input and output interface is used to realize interoperation control with the sound and light alarm module (it can also be connected to the bus-based fire linkage controller).

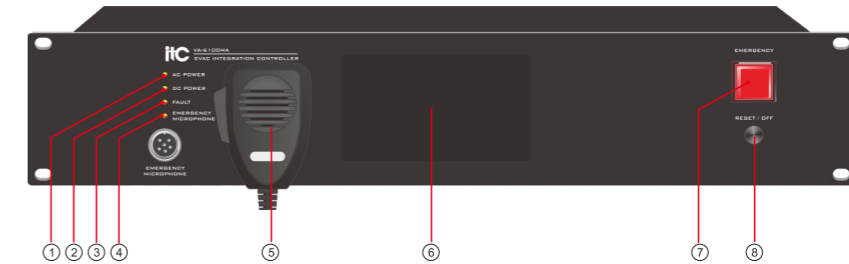
Features

- \* 5-inch high-definition true-color touch-screen human-machine graphical operation interface.
- \* One-touch quick emergency paging alarm: press the PTT button to initiate an emergency microphone broadcast for the entire area.
- \* Supports area selection, partitioning, and grouping operations, and the volume of each partition can be adjusted independently.
- \* Supports background music, evacuation alarm, and warning alarm voice broadcast.
- \* Supports custom partition names, group names, and host names for easy operation and management.
- \* Supports event triggering, timing triggering control output, and linkage control with third-party systems.
- \* Supports partition monitoring, real-time viewing of device status, and adjustable monitoring volume.
- \* redial times when no one answers the call.
- \* Ethernet online configuration, control interface can work offline.

Specifications

Model	VA-6100MA
AC power input voltage	~220V ± 15% , 50Hz - 60Hz
AC power input current	Less than 0.5A
DC power input voltage	DC24V , 19-30V adaptive
DC power input current	2A
Fuse specifications	250V/1A, slow type
Maximum power consumption of the device	44 W
Emergency microphone sensitivity	10mV
Emergency microphone impedance	600Ω
Line input number	5 channels (1 channel Kalon interface, 4 channels RCA interface)
Line input sensitivity	± 385mV (balanced), 775mV (unbalanced), 10mV (unbalanced)
Line input impedance	20KΩ (balanced), 10KΩ (unbalanced)
Recording output channels	1 channel (1 RCA interface)
Recording output distortion	<1%
Recording output amplitude	200mV
Recording output frequency response	200Hz- 16k Hz
Recording output signal-to-noise ratio	□ 70 dB
Programmable output for system fault	Short circuit , no voltage
Fire linkage programmable output	Short circuit , no voltage
8-channel relay programmable output	Short circuit, no voltage
Programmable DC24V power output	DC24V , 0.3A
Programmable input trigger types	Short-circuit input, short-circuit input with detection
Short circuit mode	3.3V voltage, short contact trigger, no linkage line monitoring function
Short-circuit mode with detection	3.3V voltage, short contact trigger, support linkage line fault alarm
Fire reset input	Contact ≥0.5S , no voltage
Voice message data format	MP3 or WMA format
Voice information storage type	TF card
Dimensions ( L×D×H )	484×477 . 7 × 100.5 mm
Weight	About 7kg

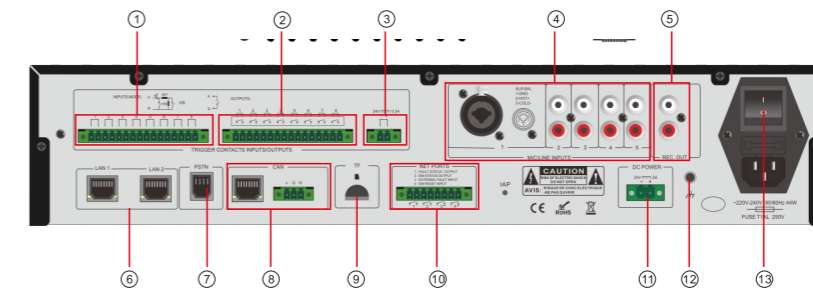
Front Panel



Connectors

- ① Main power indicator  
Steady green - indicates that the main power supply is normal;  
Steady yellow - indicates main power supply failure;
- ② Backup power indicator  
Steady green - indicates that the backup power supply is normal;  
Steady yellow - indicates backup power failure;  
Off - indicates that the backup power supply is not configured;
- ③ Fault indicator  
Off - indicates there is no fault in the system;  
Flashing yellow - indicates that there is at least one fault in the system;
- ④ Emergency mic indicator  
Off - indicates the emergency microphone is in normal condition;  
Steady yellow - indicates emergency microphone is in faulty condition;  
Steady red - indicates the emergency microphone is paging;
- ⑤ Emergency mic (PTT)  
Press the PTT switch to enter PTT paging;  
Release the PTT switch to exit PTT paging;
- ⑥ HMI interface  
5-inch touch screen for system control
- ⑦ Emergency button  
Enter emergency mode  
Flashing red - the system is in Emergency mode;  
Off - the system is currently working in normal mode;
- ⑧ Mute/Exit emergency mode button  
Used to turn off the buzzer sound when a system failure occurs. When a new fault occurs again, the fault indicator and prompt sound will resume the prompt;  
The system exits Emergency mode (when there is a fault, mute it first, and press it again to exit the Emergency mode).

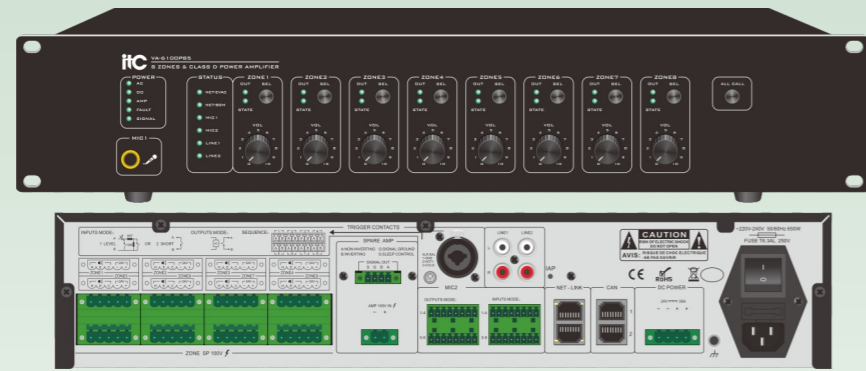
Back Panel



Connectors

- ① Trigger input interface  
8 programmable fire linkage input interfaces, supports Short circuit mode or Level mode, configured by configuration tool;  
Short circuit mode - status includes Normal and Trigger;  
Level mode - status includes Open circuit, Short circuit, Trigger and Normal
- ② Trigger output interface  
8 programmable fire linkage output interfaces, with relay short-circuit output as the output type;
- ③ Power output interface  
Output voltage of 24V, power supply supports up to 0.3A
- ④ Microphone/line input interface  
1 - Multiplex interface. For 6.35mm plug input, it is the microphone input; for XLR input, it is the line balanced audio input;  
2/3/4/5 - Line input, the interface is RCA interface;
- ⑤ Recording output interface  
Reserved interface, output recording signal, external recorder, the interface is RCA interface
- ⑥ Network interface  
Standard RJ45 interface
- ⑦ Telephone interface  
External PBX for telephone broadcasting
- ⑧ CAN interface  
External charger or external third-party fire linkage equipment, RJ45 interface and Phoenix terminal interface have the same function
- ⑨ TF card interface  
Insert the TF card to store background music, prompts, evacuation, and warning voice audio files
- ⑩ Status output/System emergency mode status output/Reset/External fault input interface  
System fault status output - when the equipment fails, this interface is a short-circuit output, otherwise it is disconnected;  
System emergency mode status output - when the system is working in Emergency mode, this short-circuit interface is connected; when in normal mode, disconnected;  
Fire alarm reset contact input - when the system is working in Emergency mode, input a low level signal greater than 0.5S from this interface, and the system will be reset to normal operating mode;  
External fault input-linked external equipment
- ⑪ DC power input interface  
24V DC power input
- ⑫ Ground terminal  
Nickel plated copper post with flat insert and nut
- ⑬ AC power interface  
220V AC power input

8-zone amplifier with changeover  
VA-6100P85



Descriptions

The 8-zone power amplifier has a built-in 500W digital power amplifier and integrates 8 independent power zones. It can be installed in the broadcasting room or remote machine room, and is connected to the system via Ethernet to share the network audio source. It also allows 4-channel local audio input, making it the preferred device for building small and medium-sized broadcasting systems.

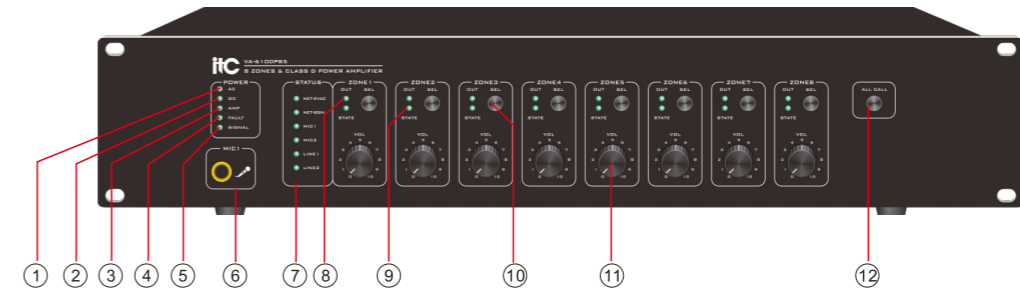
Features

- \* Supports speaker loop grounding, open circuit and short circuit detection, and automatic amplifier protection in case of short circuit fault.
- \* Supports 3/4-wire speaker loop wiring, fire alarm broadcasting, audio control and forced cutting, and maximum volume output.
- \* It has 8 programmable trigger input online interfaces, which can trigger the pre-programmed voice messages to the specified partitions.
- \* It has 8 programmable trigger output online interfaces, which can output short-circuit voltage-free relay control signals to third-party equipment to achieve online automatic control.
- \* Supports the amplifier to enter power saving mode when there is no signal input to save energy.
- \* Supports connection with linkage fire alarm controller to realize fire alarm linkage control.
- \* Provides a DC 24V backup power input interface (24V DC power provided by an external DC power charger) to realize main and backup power supply.

Specifications

Model	VA-6100P85
AC power input voltage	~220V ± 15 % , 50-60Hz
AC power input current	< 3.5A
DC power input voltage	DC24V , 19-30V adaptive
DC power input current	< 30A
Fuse specifications	250V/ 6.3A , slow type
Maximum power consumption of the device	6 5 0W
Number of output partitions	8
Output voltage	100V
Output type	Transformer output
Output power	500W ( maximum output of a single zone )
Distortion	<1%( rated output power ) , 1 kHz
Frequency response	300Hz - 16k Hz
Signal-to-Noise ratio	> 68dB
Maximum output power	500W
Override type	3-wire and 4-wire
4-wire forced output voltage	24V
Amplifier status detection time	<0.5S
Partition detection status	Short circuit, open circuit, short circuit to ground
Partition detection time	<0.5S
Line input number	4 channels (2 channels of Kalon interface, 2 channels of RCA interface)
Line input sensitivity	± 385mV (balanced), 775mV (unbalanced), 10mV (unbalanced)
Line input impedance	20KΩ (balanced), 10KΩ (unbalanced)
8-channel relay programmable output	Short circuit, no voltage
8-channel programmable trigger inputs	Short-circuit input, short-circuit input with detection, voltage input
Short circuit mode	3.3V voltage, short contact trigger, no linkage line monitoring function
Short-circuit mode with detection	3.3V voltage, short contact trigger, support linkage line fault alarm
Cooling method	Air-cooled
Protection method	Delay/overtemperature/short circuit/overload
Dimensions ( L×D×H )	484×4 65.1 ×100.7 mm
Weight	About 1-2kg

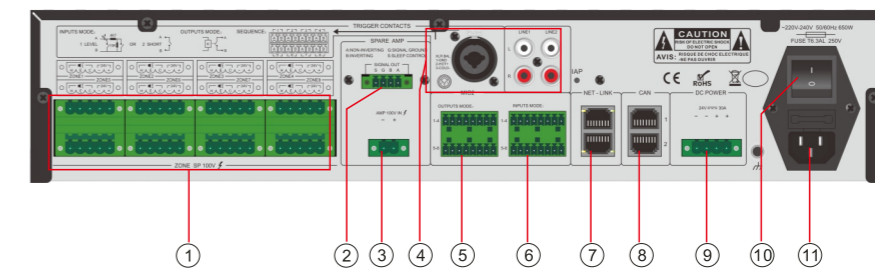
Front Panel



Connectors

- ① Main power indicator  
Green - indicates that the changeover AC power is normal;  
Yellow - indicates changeover AC power failure;
- ② Backup power indicator  
Green - indicates that the DC backup power is normal;  
Yellow - indicates DC backup power failure;  
Off - indicates that the backup power supply is not configured;
- ③ Amplifier status indicator  
Green - the amplifier module is normal;  
Flashing green - the amplifier module is sleeping;  
Yellow - the amplifier module is faulty;  
Red - indicates that the main amplifier has a fault and the current faulty main amplifier workload has been transferred to the backup amplifier.
- ④ Fault indicator  
Yellow - indicates that there is a fault in the eight-zone amplifier;  
Off - indicates that the eight-zone amplifier is normal
- ⑤ Signal indicator  
Flashing green - indicates there is network audio signal input;  
Off - indicates that the eight-zone amplifier has no network audio input;
- ⑥ Local microphone 1 interface  
Connect the microphone for local microphone broadcast
- ⑦ Audio source indicator Light up, indicating that the current eight-zone amplifier is inputting the sound source.
- ⑧ Zone output status indicator  
Off - the current zone is disabled;  
Green - the current zone is working and outputs normal audio;  
Red - the current zone is working and outputs EVAC/Alert/PTT;
- ⑨ Zone status indicator  
Off - the current zone is disabled;  
Green - the current zone is working normally;  
Yellow - Current zone fault (including Open circuit, Short circuit and Grounding)
- ⑩ Zone output selection button  
Enable or disable a zone
- ⑪ Zone volume adjustment knob  
Adjust zone output volume
- ⑫ Zone output Select All button  
Enable or disable all 8 zones

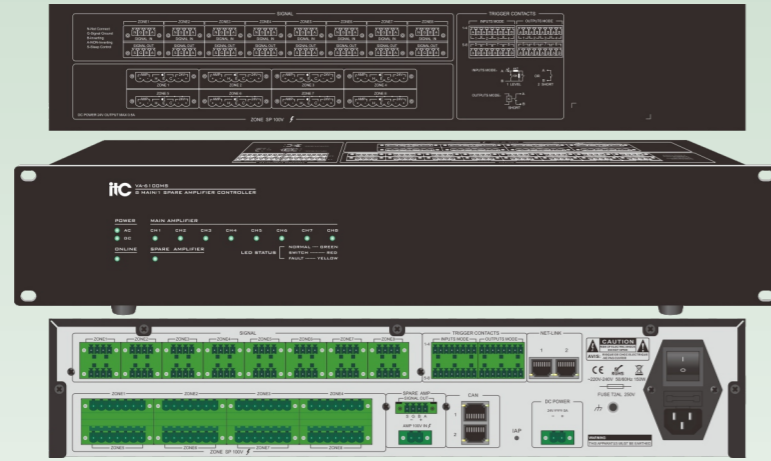
Back Panel



Connectors

- ① Zoned 100V output interface  
8 channels of 100V power audio signal output, external three- or four-wire sound control box or speaker;
- ② Backup amplifier signal output interface  
Backup amplifier balanced audio signal and standby signal output, which is used to connect the signal input end of the external backup amplifier;
- ③ Backup amplifier 100V input interface  
Backup amplifier 100V power audio signal input (external 100V output of the backup amplifier);
- ④ Microphone/line input interface  
Microphone 2 - multiplex interface. For 6.35mm plug input, it is the microphone input; for XLR input, it is the line balanced audio input;  
Line 1/Line 2 - Line input, the interface is RCA interface;
- ⑤ Trigger output interface  
8 programmable fire linkage output interfaces, with relay short-circuit output as the output type;
- ⑥ Trigger input interface  
8 programmable fire linkage input interfaces, supports Short circuit mode or Level mode, configured by configuration tool;  
Short circuit mode - status includes Normal and Trigger;  
Level mode - status includes Open circuit, Short circuit, Trigger and Normal
- ⑦ Network interface  
External network switch
- ⑧ CAN interface  
External charger
- ⑨ DC power input interface  
24V DC power input
- ⑩ Power switch  
Nickel plated copper post with washer and nut
- ⑪ AC power input interface  
220V AC power input

8 Channel Changeover  
VA-6100MS



Descriptions

VA-6100MS changeover integrates the main and standby power amplifier conversion functions, ground detection, open circuit detection, and short circuit detection of the speaker circuit. It is also compatible with three-wire and four-wire volume controller wiring. It does not require additional wiring and power supply, and has 8-channel programmable dry or wet node trigger inputs and 8-channel programmable online output signals. The controller can be combined with Class D digital amplifiers and traditional analog amplifiers to build a user audio amplification system, providing a safe, stable, and economical solution for the system.

Features

- \* It adopts 2U chassis with highly integrated and modular design.
- \* Supports real-time detection of speaker loop grounding, open circuit and short circuit, and automatic protection of the amplifier in case of short circuit fault.
- \* Supports 3/4-wire speaker loop wiring, fire alarm broadcasting, audio control and forced cutting, and maximum volume output.
- \* It has 8 programmable trigger input online interfaces, which can trigger the pre-programmed voice messages to the specified partitions.
- \* It has 8 programmable trigger output online interfaces, which can output short-circuit voltage-free relay control signals to third-party equipment to achieve online automatic control.
- \* Supports the amplifier to enter power saving mode when there is no signal input to save energy.
- \* Supports connection with linkage fire alarm controller to realize fire alarm linkage control.
- \* Provides a DC 24V backup power input interface (24V DC power provided by an external DC power charger) to realize main and backup power supply.

Specifications

<b>Model</b>	VA-6100MS
<b>AC power input voltage</b>	~220V ± 15 % , 50-60Hz
<b>AC power input current</b>	< 1 A ( including 4-wire forced output )
<b>DC power input voltage</b>	DC24V , 19-30V adaptive
<b>DC power input current</b>	< 6.25 A
<b>Maximum power consumption</b>	150W
<b>Number of output partitions</b>	Up to 8
<b>Output voltage</b>	100V
<b>Output type</b>	Transformer-less bridge-tied output
<b>Output power</b>	500W ( maximum output of a single zone )
<b>Maximum output power</b>	8×500W
<b>Strong cutting type</b>	3-wire and 4-wire
<b>4-wire forced output voltage</b>	24V
<b>Amplifier status detection time</b>	< 1 S
<b>Partition detection status</b>	Short circuit, open circuit, short circuit to ground
<b>Partition detection time</b>	< 1 S
<b>Line input number</b>	8-way
<b>Line input sensitivity</b>	± 385mV ( balanced )
<b>Line input impedance</b>	20KΩ
<b>8-channel relay programmable output</b>	Short circuit, no voltage
<b>8-channel programmable trigger inputs</b>	Short-circuit input, short-circuit input with detection, voltage input
<b>Short circuit mode</b>	3.3V voltage, short contact trigger, no linkage line monitoring function
<b>Short-circuit mode with detection</b>	3.3V voltage, short contact trigger, support linkage line fault alarm
<b>Cooling method</b>	Air-cooled
<b>Dimensions (L x D x H)</b>	484×465.1 × 100.5 mm
<b>Weight</b>	About 7.3kg

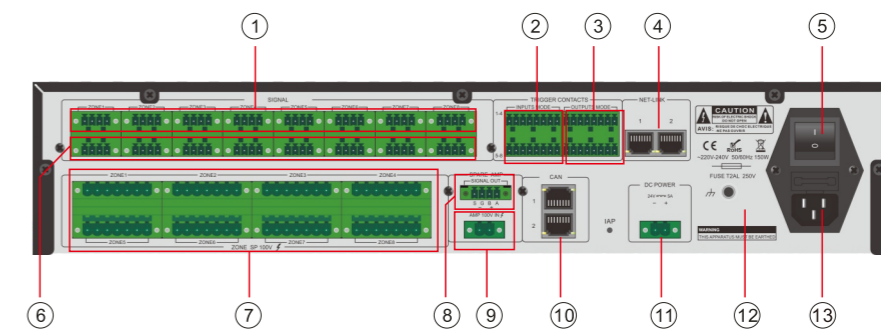
Front Panel



Connectors

- ① Main power indicator  
Green - indicates that the changeover AC power is normal;  
Yellow - indicates changeover AC power failure;
- ② Backup power indicator  
Green - indicates that the DC backup power is normal;  
Yellow - indicates DC backup power failure;  
Off - indicates that the backup power supply is not configured;
- ③ Online status indicator  
Flashing green - indicates a normal network connection;  
Yellow - indicates an inability to connect to the controller;
- ④ Backup amplifier status indicator  
Green - the backup amplifier is working normally;  
Flashing green - the backup amplifier is sleeping;  
Yellow - the backup amplifier is faulty;  
Red - indicates that the main amplifier has a fault and the current faulty main amplifier workload has been transferred to the backup amplifier.
- ⑤ Main amplifier status indicator  
Green - the amplifier is working normally;  
Flashing green - the main amplifier is sleeping;  
Yellow - the amplifier is faulty;  
Red - indicates that the main amplifier has a fault and the current faulty main amplifier workload has been transferred to the backup amplifier.

Back Panel



Connectors

- ① Local balanced audio input interface  
8 local balanced audio signal input interfaces, external balanced audio signal and other audio source equipment
- ② Trigger input interface  
8 programmable fire linkage input interfaces, supports Short circuit mode or Level mode, configured by configuration tool;  
Short circuit mode - status includes Normal and Trigger;  
Level mode - status includes Open circuit, Short circuit, Trigger and Normal
- ③ Trigger output interface  
8 programmable fire linkage output interfaces, with relay short-circuit output as the output type;
- ④ Network interface  
External switch
- ⑤ Power switch  
Equipment power on and off
- ⑥ Balanced audio output interface  
8 balanced audio signal and amplifier backup signal output interfaces, used for external signal input of the main amplifier
- ⑦ Zoned 100V input/output interface  
1~8 zone audio power signal output, external speakers or three/four-wire sound control box, etc.;
- ⑧ Backup amplifier audio output interface  
Backup amplifier balanced audio signal and standby signal output, used to connect the signal input end of the external backup amplifier;
- ⑨ Backup amplifier 100V input interface  
100V audio signal input of backup amplifier (external 100V output of the backup amplifier)
- ⑩ CAN interface  
External charger
- ⑪ DC power input interface  
24V DC power input
- ⑫ Ground terminal  
Nickel plated copper post with washer and nut
- ⑬ AC power interface  
220V AC power input

1 Channel Digital Amplifier  
VA-P120/VA-P240/VA-P350/VA-P500



Descriptions

It is a Class-D digital amplifier which is used for the voice signal broadcasting in EVAC system. And it is a 2U device that integrates 4 independent PFC functions, a power-saving control module, and the 120W/240W/350W/500W power amplifier with DC24V power interface, one channel.

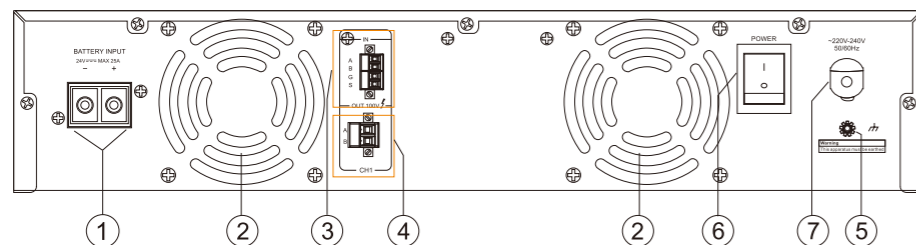
Features

- \* Modular design, easy to configure as required.
- \* The use of efficient class D digital power amplifier design scheme has lower power consumption.
- \* 2U design, 1 channel, 120W/240W/350W/500W.
- \* Overload, short circuit protection, automatic temperature control.
- \* Automatically detect the working status of each channel and indicate by LED.
- \* Support power saving mode, enter standby mode when there is no signal.

Specifications

Model	VA-P120	VA-P240	VA-P350	VA-P500
AC power				
Voltage	~220V 50Hz			
Operating current	0.7A	1.4A	2A	2.8A
DC power				
DC Power Input	DC~24V; ±20%			
Operating current	6.5A	12.3A	18A	25A
Power	120W	240W	350W	500W
Power consumption	150W	295W	425W	605W
Audio parameter				
Input method	balance 385mV			
Frequency Response	40Hz-20KHz±3dB			
Output	100V Constant Voltage			
THD	≤1% (Rated power distortion) 1KHz			
SNR	≥90dB			
Operating Temperature	5°C ~ 40°C			
Relative Humidity	<95%			
Cooling way	Fan Cooling Type			
Protection mode	Delay, over heat, short circuit, overload protection			
Dimension	484 x 478 x 88mm			
Net weight	8.1Kg	8.1Kg	8.1Kg	8.06Kg

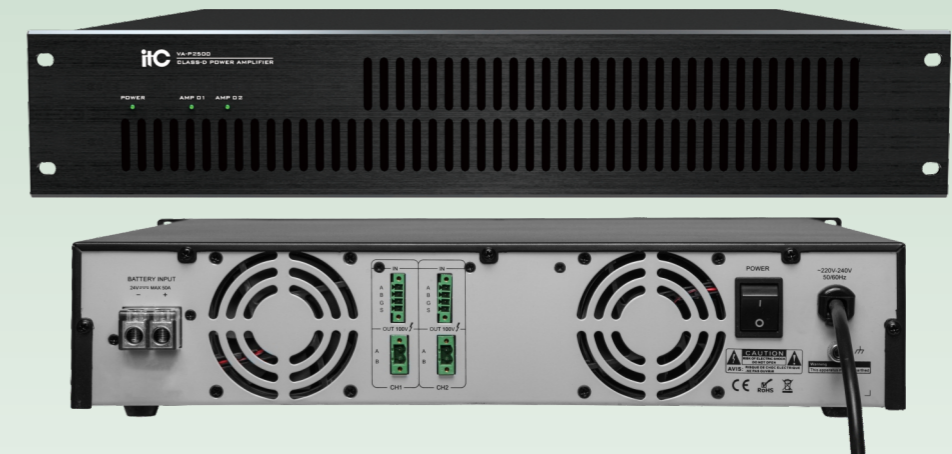
Back Panel



Connectors

- DC24V Input
- Fan exhaust air hole
- CH1-4 Balanced line input
- CH1-4 100V speaker line outputs
- Earth line
- Power switch
- Power cord

2 Channel Digital Amplifier  
VA-P2120/VA-P2240/VA-P2350/VA-P2500



Descriptions

It is a Class-D digital amplifier which is used for the voice signal broadcasting in EVAC system. And it is a 2U device that integrates 4 independent PFC functions, a power-saving control module, and the 120W/240W/350W/500W power amplifier with DC24V power interface, 2 channels.

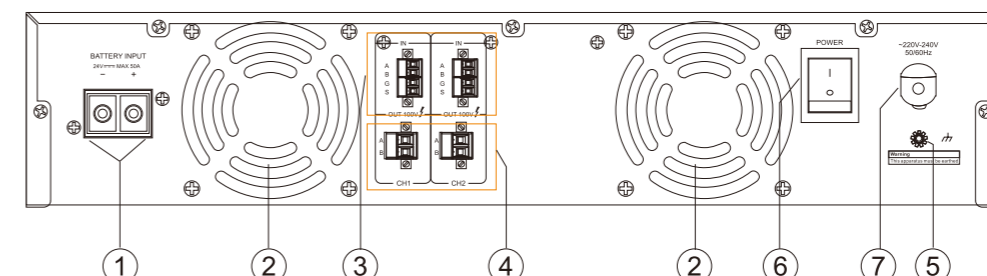
Features

- \* Modular design, easy to configure as required.
- \* The use of efficient class-D digital power amplifier design scheme has lower power consumption.
- \* 2U design, 2 independent channels, each channel 120W/240W/350W/500W.
- \* Overload, short circuit protection, automatic temperature control.
- \* Automatically detect the working status of each channel and indicate by LED.
- \* Support power saving mode, enter standby mode when there is no signal.

Specifications

Model	VA-P2120	VA-P2240	VA-P2350	VA-P2500
AC power supply				
Voltage	~ 220V 50Hz			
Working current	1.4A	2.6A	4A	5.5A
DC power supply				
DC input	DC~24V; ±20%			
Working current	12.3A	24A	35A	50A
Power	2x120W	2x240W	2x350W	2x500W
Power Consumption	295W	580W	845W	1200W
Audio Parameter				
Input mode	Balance 385mV			
Frequency Response	40Hz-20KHz±3dB			
Output	100V Constant Voltage			
THD	≤1% (Rated Power THD), 1KHz			
SNR	≥90dB			
Working Temperature	5°C ~ 40°C			
Relative Humidity	< 95%			
Cooling Mode	Air-Cooled			
Protection	Delay, Short Circuit, Overload, Over-temperature			
Dimensions	484 x 478 x 88mm (Machine feet not included)			
Net weight	9.8Kg	10.6Kg	10.26Kg	10.49Kg

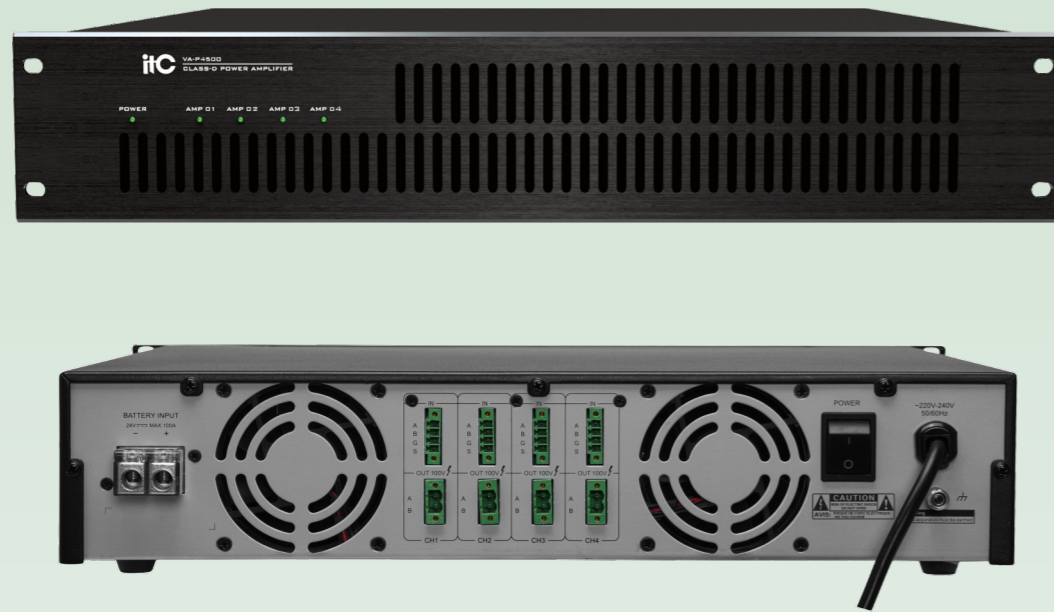
Back Panel



Connectors

- DC24V Input
- Fan exhaust air hole
- CH1-4 Balanced line input
- CH1-4 100V speaker line outputs
- Earth line
- Power switch
- Power cord

**4 Channel Digital Amplifier**  
**VA-P4120/VA-P4240/VA-P4350/VA-P4500**



**Descriptions**

It is a Class-D digital amplifier which is used for the voice signal broadcasting in EVAC system. And it is a 2U device that integrates 4 independent PFC functions, a power-saving control module, and the 120W/240W/350W/500W power amplifier with DC24V power interface, 4 channels.

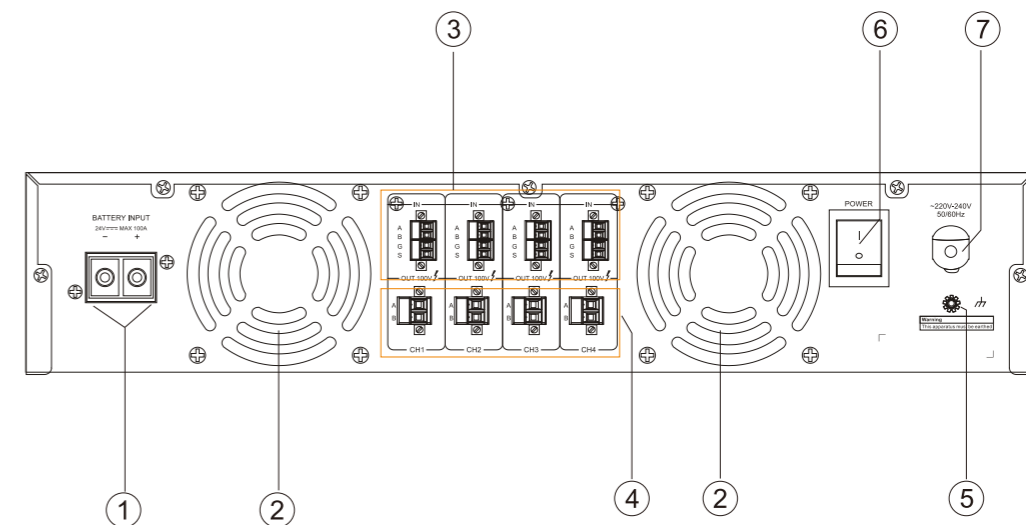
**Features**

- \* Modular design, easy to configure as required.
- \* The use of efficient class-D digital power amplifier design scheme has lower power consumption.
- \* 2U design, 4 independent channels, each channel 120W/240W/350W/500W.
- \* Overload, short circuit protection, automatic temperature control.
- \* Automatically detect the working status of each channel and indicate by LED.
- \* Support power saving mode, enter standby mode when there is no signal.

**Specifications**

Model	VA-P4120	VA-P4240	VA-P4350	VA-P4500
<b>AC power supply</b>				
<b>Voltage</b>	~220-240V 50/60Hz			
<b>Working current</b>	2.6A	5.3A	7.7A	11A
<b>DC power supply</b>				
<b>DC input</b>	DC~24V; ±20%			
<b>Working current</b>	24A	48A	70A	100A
<b>Power supply</b>	4x120W	4x240W	4x350W	4x500W
<b>Power consumption</b>	580W	1150W	1680W	2400W
<b>Audio frequency data</b>				
<b>Input mode</b>	Balance 385mV			
<b>Frequency response</b>	40Hz-20KHz±3dB			
<b>output</b>	Constant voltage 100V			
<b>THD</b>	≤1% (rated power THD), 1KHz			
<b>S/N</b>	≥90dB			
<b>Working temperature</b>	5°C ~ 40°C			
<b>Related humidity</b>	<95%			
<b>Cooling way</b>	Air-cooled			
<b>Protection ways</b>	Time-delay, over-heated, short circuit, overload			
<b>Size</b>	484 x 478 x 88mm			
<b>Net Weight</b>	13.46Kg	13.48Kg	13.54Kg	13.66Kg

**Back Panel**



**Connectors**

- ① DC24V Input
- ② Fan exhaust air hole
- ③ CH1-4 Balanced line input
- ④ CH1-4 100V speaker line outputs
- ⑤ Earth line
- ⑥ Power switch
- ⑦ Power cord

**DC Power Supply and Battery Charger  
VA-6000BC**



**Application**

VA-6000BC is mainly used in VA-6000 system to provide stable and reliable spare DC power when there is no AC power supply.

**Features**

- \* Select charging mode automatically.
- \* Storage battery failure, overvoltage, over-temperature and overtime charging detection.
- \* Automatic temperature control fan and overheating protection.
- \* Storage battery can be changed, will not be influenced by the change of AC power supply.

**Basic Functions**

- \* Built-in battery charge management and monitoring circuit. When AC power, battery voltage and temperature are normal, storage battery will be charged. And it will enter maintenance condition automatically when fully charged.
- \* Storage battery adopts two DC 24V lead-acid batteries in series or one DC 24V lead-acid battery.
- \* Select charging mode automatically, to ensure safety charging and service life: pre-charge→constant current→trickle charge.
- \* High charging efficiency and restore efficiency. Storage battery fault detection, overvoltage detection, over-temperature detection and overtime charging detection.
- \* Being suitable for multiple volume battery ≤200Ah.
- \* Dual internet interfaces, it can realize hand in hand connection.

**Specifications**

<b>Model</b>	VA-6000BC
<b>AC Power</b>	
<b>Power Supply</b>	~ 2200V 50Hz
<b>Maximum Current</b>	1.5A
<b>Fuse</b>	250V/2A, low speed type
<b>DC Power Output</b>	
<b>Power Supply</b>	24V storage battery
<b>Maximum Current</b>	50A per channel
<b>Charging</b>	
<b>Maximum charging current</b>	10A, adjustable
<b>Heat dissipation</b>	Temperature fan, forced-style
<b>Machinery Index</b>	
<b>Size(L x W x D)</b>	484 x 88 x 447mm (2U)
<b>Net weight</b>	About 7.5kg
<b>Mounting</b>	Desktop or 19 inch cabinet
<b>Color</b>	Black
<b>Environment Requirement</b>	
<b>Operating Temperature</b>	+5°C ~ +40°C
<b>Storage Temperature</b>	-20°C~ +70°C
<b>Relative Temperature</b>	<95%, (No condensation)

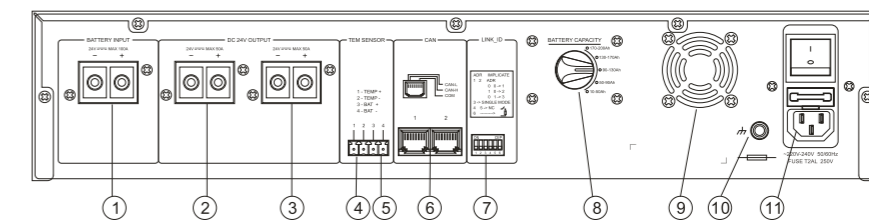
**Front Panel**



**Connectors**

- ① Location hole.
- ② AC power indicator light:
  - (1) Off – AC power is not connected.
  - (2) Green - AC power supply is normal.
- ③ Storage battery connection status indicator light:
  - (1) Off - Storage battery connection normal.
  - (2) Yellow - Storage battery connection off or battery failure.
- ④ Charging status indicator light:
  - (1) Off - Storage battery is fully charged.
  - (2) Yellow - Charger is charging the storage battery.
- ⑤ Battery output over voltage indicator light:
  - (1) Off - Voltage normal.
  - (2) Yellow - Over voltage, charging will be stopped automatically to protect the storage battery.(When storage battery voltage is over 30V, charger will stop charge, V-light will be on)
- ⑥ Storage battery output low voltage indicator light:
  - (1) Off - Voltage normal:
  - (2) Yellow - Low voltage. This case happens when the first time using no power storage battery or using failure storage battery, user need to change a new storage battery when it's failure storage battery. (When storage battery voltage is below 14V, V-light will be on, charger will remind storage battery is low voltage, at this time, charger will use small current to activate the battery until it become normal)
- ⑦ General working status indicator light of charger:
  - (1) Off - Charger working normal.
  - (2) Yellow - Charger failure, other failure state will happen at the same time, such as, storage battery is not connected, temperature sensor is not connected and etc.

**Back Panel**



**Connectors**

- ① Storage battery connector, please pay attention to positive pole and negative pole.
- ② ③ DC24V output connector, please pay attention to positive pole and negative pole.
- ④ Temperature sensor input interface.
- ⑤ Storage battery voltage test input interface. please pay attention to it need to be correctly connected to the output end of storage battery, otherwise bad connection shall lead to being unable to charge, please pay attention to positive pole and negative pole.
- ⑥ Connection interface, connect to external controller, amplifier switcher, or zone amplifier CAN interface.
- ⑦ Communication address. "1, 2" is communication address bit, the largest address is 3, if there is only one device, "1, 2" shall both be put at bottom position; "3" means device working mode setting, please make it at bottom position when charger is used in VA-6000 system, please make it at top position when charger is not used in VA-6000 system, otherwise the charger cannot work normally; "4, 5" are for reservation, no function; "6" is terminal matched resistance, mainly used in abnormal communication case when many chargers working by hand in hand connection, and the "6" address bit of the last charger should be on, please note only the last charger, not all.
- ⑧ Current accumulator capacity tap selection switch, please select according to the current accumulator capacity.
- ⑨ Fan, when the temperature in the machine reaches some level, the fan will work automatically to lower the inner temperature of the machine.(When the cooling fan temperature inside machine reaches 35-45°C, fan will start working, the higher temperature the higher fan rotation speed.)
- ⑩ Ground point. Please note the reliable ground connection.
- ⑪ Power switch and input socket of main power with fuse.

**Fireman Remote Microphone  
VA-6100FM**



**Descriptions**

The Paging Controller is used to remotely operate the fire alarm EVAC PAsystem, allowing users to remotely control the system voice information and partition paging, and supports background broadcasting, fire alarm, microphone paging and other functions.

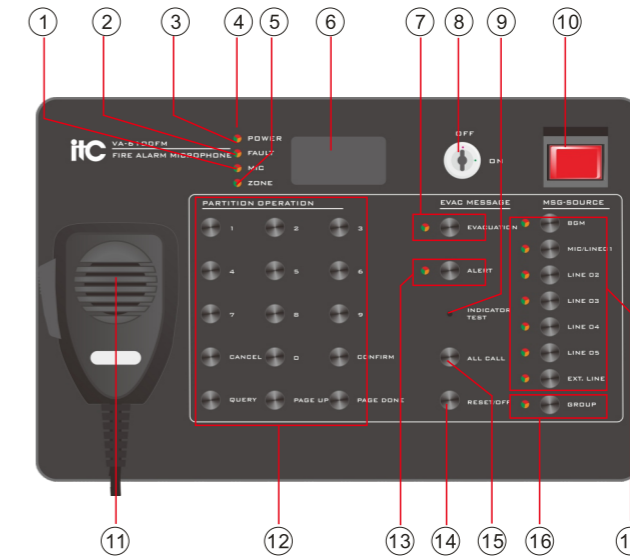
**Features**

- \* Support LED indicator to indicate system status .
- \*Supports key locking function. If the key is locked, the panel functions are unavailable .
- \*It supports microphone paging function. You can select a partition and press the microphone button to initiate a partition microphone broadcast. If you do not select a partition, press the microphone button to initiate a full-zone microphone broadcast .
- \*Supports multiple audio source broadcasts, background music, and line input voice broadcasts .
- \*Supports fire alarm function, which can initiate evacuation alarm and warning alarm voice broadcast to remind people to evacuate .
- \*Supports local audio source monitoring function to confirm whether the audio is correct, and the monitoring volume is adjustable .
- \*Supports partition/group selection .
- \*Supports extended line audio input, audio can be played to each zone, and the input volume is adjustable.
- \*Supports LED indicator test function. The operation method is: after pressing the LED indicator test button, all indicators on the panel will change in the order of green-red-yellow, and finally return to normal display.

**Specifications**

<b>Model</b>	VA-6100FM
<b>Supply voltage</b>	DC24V , 19-30V adaptive
<b>Input current</b>	<2 A
<b>Maximum power consumption</b>	5W
<b>Line input sensitivity</b>	775mV
<b>Line input impedance</b>	10kΩ
<b>Microphone type</b>	One-button paging microphone
<b>Microphone type</b>	Dynamic
<b>Microphone sensitivity</b>	10mV
<b>Microphone input impedance</b>	600Ω
<b>Monitor audio rated output</b>	700mV
<b>Monitor audio output power</b>	15 mW ( can drive 16-32Ω headphones )
<b>Monitor audio frequency response</b>	200Hz~ 16k Hz
<b>Monitor audio distortion</b>	<1%( rated output power ) , 1 kHz
<b>Monitor audio signal-to-noise ratio</b>	> 68dB
<b>Dimensions (L x D x H)</b>	244×152.5 × 77.6 mm
<b>Weight</b>	Approx. 1.5 kg

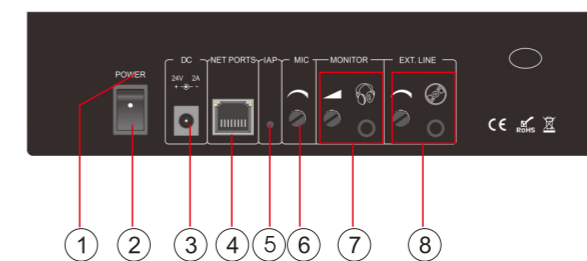
**Front Panel**



**Connectors**

- ① Microphone status indicator  
Off - the microphone is normal;  
Red - perform microphone broadcast;  
Yellow - the microphone is faulty;
- ② Fault indicator  
Off - indicates there is no fault in the device;  
Yellow - indicates that the equipment has at least one fault;
- ③ Backup power indicator  
Green - the backup power supply is normal;  
Off - the backup power supply is not configured;  
Yellow - backup power failure;
- ④ Main power indicator  
Green - the main power supply is normal;  
Yellow - main power supply failure;
- ⑤ Zone status indicator  
Off - the zone is idle  
Green - the zone is performing business broadcasting  
Red - the zone is performing emergency broadcast
- ⑥ LCD  
Show selected zones
- ⑦ Evacuation voice button and its indicator  
Evacuation voice button: Play evacuation voice;  
indicator:  
Off - the evacuation voice is not played;  
Red - the evacuation voice is playing;
- ⑧ Key lock switch  
Device lock. Open it to control the device, initiate tasks or perform other operations.
- ⑨ LED test button  
After pressing the button, all indicator lights on the panel will return to normal display from red green yellow;
- ⑩ Emergency button Enter Emergency mode;
- ⑪ PTT microphone  
Emergency microphone. Press the button to initiate a broadcast;
- ⑫ Zone operations Select the zones
- ⑬ Warning voice button and its indicator  
Warning voice button: play warning voice;  
indicator:  
Off - the warning voice is not played;  
Red - warning voice is playing;
- ⑭ Fault reset/shutdown button  
Turn off zone selection or exit emergency mode
- ⑮ Whole area selection button  
Select all zones
- ⑯ Group broadcast button and its indicator  
Device zone/group control mode selection; indicator:  
Off - the device is under zone mode control;  
Green - the device is under group mode control;
- ⑰ Audio source selection button and its indicator  
Button: select audio source for playback;  
Indicator:  
Off - the sound source is idle;  
Green - playing now;

**Back Panel**



**Connectors**

- ① Power switch  
Switch gear
- ② Backup power interface  
Device backup power interface
- ③ Main power interface  
Device main power interface
- ④ Online interface  
Connect to the network switch and communicate with the controller
- ⑤ IAP button  
Reserved button
- ⑥ Microphone volume adjustment knob  
Adjust the microphone broadcast volume
- ⑦ Monitoring output interface and its volume adjustment knob  
Monitor audio output, which can be connected to external monitoring headphones or other monitoring equipment; the volume adjustment knob adjusts the monitoring output volume.
- ⑧ Expanded line input interface and its volume adjustment knob  
Connect external audio source equipment, and adjust the line input volume with the volume adjustment knob.

Remote Paging Microphone with touch screen  
VA-6100RT



Descriptions

The VA-6100RT Remote Paging Microphone is used to remotely operate the fire alarm EVAC PA system, allowing users to remotely control the system voice information and partition paging. It can support the system's partition/group selection, partition monitoring, partition volume adjustment, and partition status display.

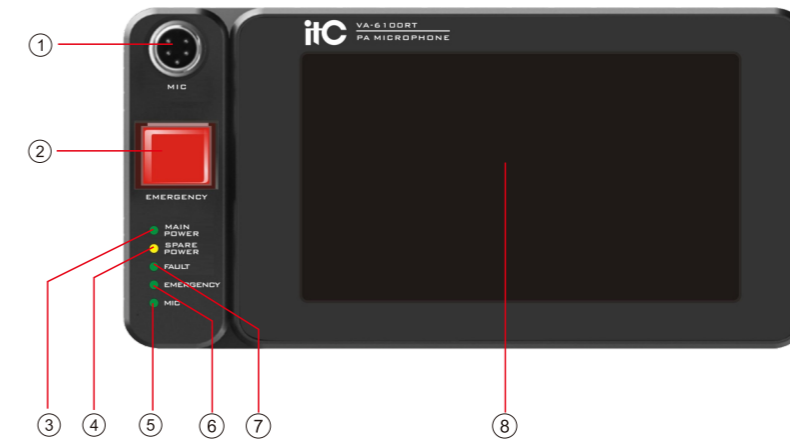
Features

- \* IPS high-definition full-viewing angle display, graphical touch operation, what you see is what you get .
- \*The system synchronizes the display of customized partition/group names, and the operation is simple and clear .
- \*The icon-based partition status display is more vivid and has richer content .
- \*Supports background music, evacuation alarm, warning alarm voice broadcast, and microphone paging.
- \*The volume of each zone can be adjusted individually and the monitoring zone plays the current playing content, and the monitoring volume is adjustable .
- \*The rear panel can be connected to an external audio source, which can be played to any partition in the system .
- \*Standard Ethernet digital transmission, the transmission distance can be extended via optical fiber .
- \*Supports full-function microphone mode settings, including business mode and fire alarm mode. Fire alarm cannot be initiated in business mode, while fire alarm mode supports warning and evacuation fire alarms.

Specifications

<b>Model</b>	VA-6100RT
<b>Display size</b>	7 inches
<b>Display resolution</b>	1024×600
<b>Display viewing angle</b>	Full view
<b>Touch screen type</b>	Capacitive screen
<b>Supply voltage</b>	DC24V , 19-30V adaptive
<b>Input current</b>	< 2 A
<b>Maximum power consumption</b>	12W
<b>Standby power consumption</b>	9W
<b>Line input sensitivity</b>	775mV
<b>Line input impedance</b>	10kΩ
<b>Microphone type</b>	415mm gooseneck microphone
<b>Microphone type</b>	Standing Pose
<b>Microphone input sensitivity</b>	10mV
<b>Microphone input impedance</b>	250Ω
<b>Monitor audio rated output</b>	700mV
<b>Monitor audio output power</b>	15 mW ( can drive 16 - 32Ω headphones )
<b>Monitor audio frequency response</b>	200Hz~ 16k Hz
<b>Monitor audio distortion</b>	< 1% ( rated output power ) , 1 kHz
<b>Monitor audio signal-to-noise ratio</b>	> 68dB
<b>Monitor speaker output power</b>	1.5W
<b>Monitor speaker impedance</b>	4Ω
<b>Dimensions (L x D x H)</b>	246×117.75 × 66.96 mm
<b>Weight</b>	Approx. 1.25 kg

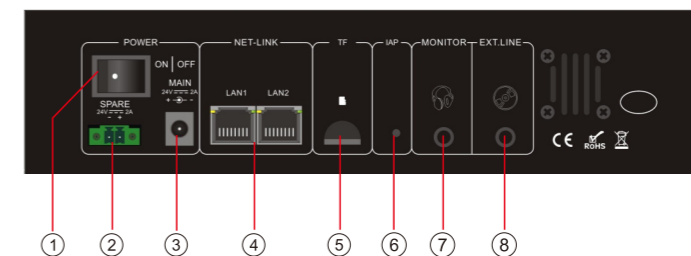
Front Panel



Connectors

- ① Gooseneck microphone interface  
Connect gooseneck microphone
- ② Emergency button  
Enter Emergency mode
- ③ Main power indicator  
Steady green - indicates that the main power supply is normal;  
Steady yellow - indicates main power failure;
- ④ Backup power indicator  
Green - indicates that the DC backup power supply is normal;  
Yellow - indicates DC backup power failure;  
Off - indicates that the backup power supply is not configured;
- ⑤ Fault indicator  
Yellow - indicates that the RT is faulty;  
Off - indicates RT is normal;
- ⑥ Emergency mode indicator  
Red - the system enters Emergency mode;  
Off - the system is in normal mode;
- ⑦ Microphone indicator  
Green - RT is performing ordinary microphone paging;  
Red - RT is performing emergency microphone paging;  
Yellow - RT's microphone failure;  
Off - RT's microphone is normal;
- ⑧ Touch screen  
The device can be operated via the touch screen

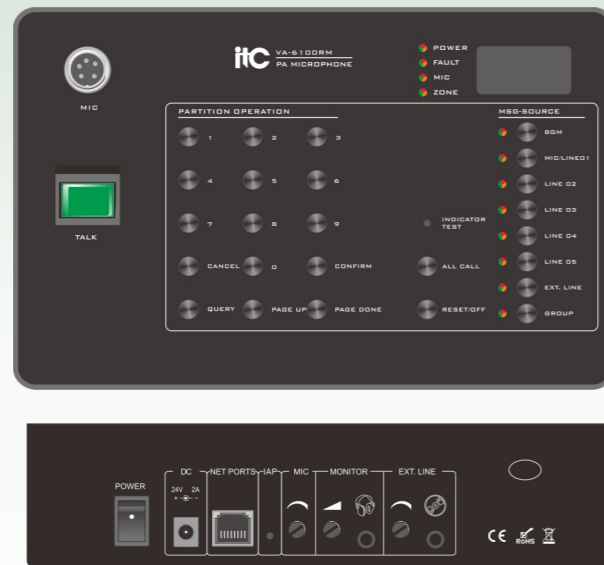
Back Panel



Connectors

- ① Power switch  
Switch gear
- ② Backup power interface  
Device main power interface
- ③ Main power interface  
Device main power interface
- ④ Online interface  
Connect to the network switch and communicate with the controller
- ⑤ TF interface  
Insert TF card to store audio files
- ⑥ IAP button  
Reserved button
- ⑦ Monitoring output interface  
Monitoring audio output, can be connected to external monitoring headphones or other monitoring equipment
- ⑧ Extended line input interface  
Connect external audio equipment

Remote Paging Microphone  
VA-6100RM



Descriptions

The remote microphone is used to remotely operate the fire alarm EVAC PA system, allowing users to remotely control the system voice information and partition paging, and supports background broadcasting, microphone paging and other functions.

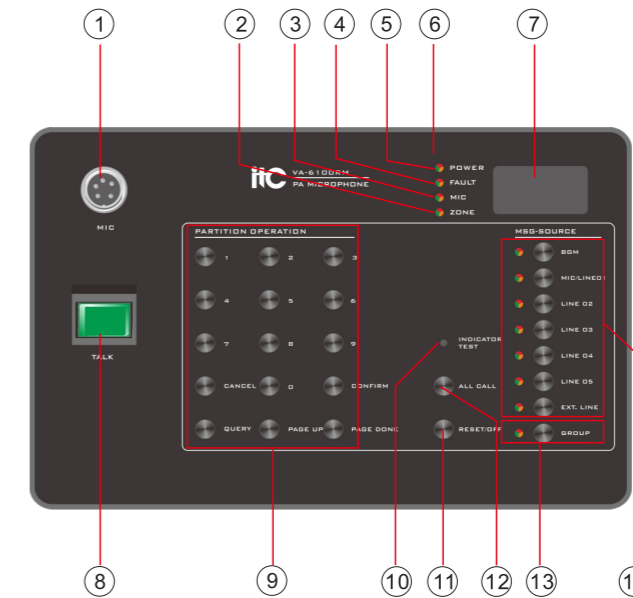
Features

- \* Supports LED indicator to indicate system status .
- \* Supports microphone paging function, can initiate zone/all-zone microphone broadcasting, and supports microphone volume adjustment .
- \* Supports multiple audio source broadcasts, background music, and line input voice broadcasts .
- \* Supports local audio source monitoring function to confirm whether the audio is correct, and the monitoring volume is adjustable .
- \* Supports partition/group selection .
- \* Supports extended line audio input to transmit playback content to each partition, and the input volume is adjustable.
- \* Supports LED indicator test function. The operation method is: after pressing the LED indicator test button, all indicators on the panel will change in the order of green-red-yellow, and finally return to normal display.

Specifications

Model	VA-6100RM
Supply voltage	DC24V , 19-30V adaptive
Input current	< 2A
Maximum power consumption	5W
Line input sensitivity	775mV
Line input impedance	10kΩ
Microphone type	415mm gooseneck microphone
Microphone type	Standing Pose
Microphone sensitivity	10mV
Microphone input impedance	250 Ω
Monitor audio rated output	700mV
Monitor audio output power	15 mW ( can drive 16 - 32Ω headphones )
Monitor audio frequency response	200Hz~ 16k Hz
Monitor audio distortion	< 1% ( rated output power ) , 1 kHz
Monitor audio signal-to-noise ratio	> 68dB
Dimensions ( L×D×H )	244×152.5 × 69.73mm
Weight	Approx. 1.35 kg

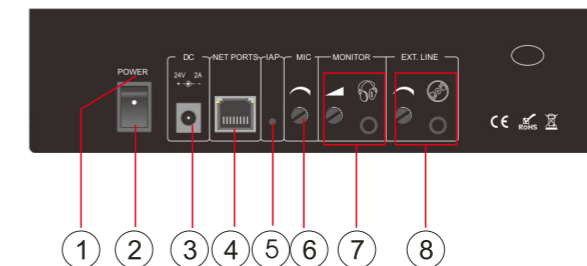
Front Panel



Connectors

- ① Microphone interface  
Connect gooseneck microphone
- ② Zone status indicator  
Off - the zone is idle;  
Green - the zone is performing business broadcasting  
Red - the zone is performing emergency broadcasting
- ③ Microphone status indicator  
Off - the microphone is normal;  
Green - broadcasting;  
Yellow - microphone is faulty;
- ④ Fault indicator  
Off - indicates there is no fault in the device;  
Yellow - indicates that the equipment has at least one fault;
- ⑤ Backup power indicator Green -the backup power supply is normal;  
Off - the backup power supply is not configured;  
Yellow - backup power failure;
- ⑥ Main power indicator  
Green - the main power supply is normal;  
Yellow - main power supply failure;
- ⑦ LCD  
Show selected zones
- ⑧ Talk button  
Initiate a microphone broadcast
- ⑨ Zone operations  
Select zones
- ⑩ LED test button  
After pressing the button, all indicator lights on the panel will return to normal display from red green yellow;
- ⑪ Fault reset and shutdown button  
Turn off zone selection or mute your own equipment failure
- ⑫ Whole area selection button  
Select all zones
- ⑬ Group broadcast button and its indicator  
Device zone/group control mode selection;  
Indicator:  
Off - the device is under zone mode control;  
Green - the device is under group mode control;
- ⑭ Audio source selection button and its indicator  
Button: select audio source for playback;  
Indicator:  
Off - the sound source is idle;  
Green - playing now;

Back Panel

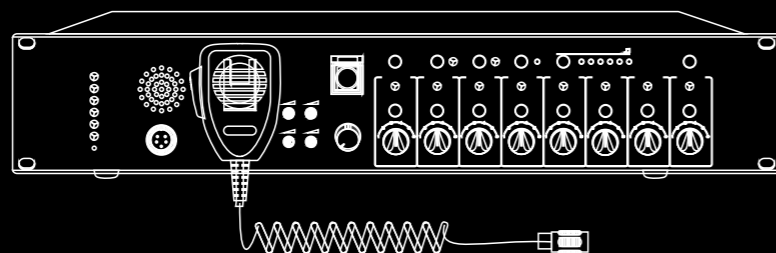


Connectors

- ① Power switch  
Switch gear
- ② Backup power interface  
Device backup power interface
- ③ Main power interface  
Device main power interface
- ④ Online interface  
Connect to the network switch and communicate with the controller
- ⑤ IAP button  
Reserved button
- ⑥ Microphone volume adjustment knob  
Adjust the microphone broadcast volume
- ⑦ Monitoring output interface and its volume adjustment knob  
Monitor audio output, which can be connected to external monitoring headphones or other monitoring equipment; the volume adjustment knob adjusts the monitoring output volume.
- ⑧ Expansion line input interface and its volume adjustment knob  
Connect external audio source equipment, and adjust the line input volume with the volume adjustment knob.



## Fire Emergency Broadcasting System VA-6200



### Voice Evacuation Alarm System

#### Product Overview

VA-6200 is a system designed for emergency broadcast and voice playback requirements, complying with EN54-16 standard. The system provides multi-machine cascade function, and is composed of VA-6200MA host, VA-6200MS expansion host and VA-6200RM remote paging microphone. The maximum paging microphone quantity can be cascaded 19 VA-6200MS, extended to 160 partition 320 loop (A + B), up to 32 VA-6200RM remote paging microphones can be configured.

VA-6200 system uses advanced power distribution. All partitions share a 500W power amplifier, which can reduce the cost of each partition configuration, very suitable for multi-partition low-power occasions. The system has power amplifier detection and automatic backup function.

VA-6200 fire emergency broadcast system with high investment efficiency of the modular MPU control, while supporting multi-line fire alarm controller linkage, the interface problem between different systems no longer exist; with independent research and development of the system fault automatic diagnosis technology, the speaker Line automatic detection technology, making the system running more secure, stable and reliable, and significantly reduce the pre-procurement cycle and future maintenance costs.

VA-6200 alarm system adopts a full modular design, modern technology, after long-term industry experience and system stability and stability of the test to ensure its stability. The system can play the local background music without fire disaster, once the fire alarm immediately into the fire alarm for the state, the system is powerful, simple, user-friendly. Widely used in financial centers, star hotels, office buildings, and commercial center, also applies to petrochemical, power, metallurgy, steel and other industrial areas.

#### Product Features

##### Designed According to EN54-16 standard

It conforms to European EN54-16 Fire Broadcasting Specification.

##### Integrating Emergency Broadcast and Voice Broadcast

Integrated voice programmable broadcast, voice evacuation and other functions; simple operation, flexible configuration.

##### Simple System Equipment Connection

Only one Cat5 cable between system equipment, you can achieve control and audio transmission, support hand in hand. Wiring is simple and convenient that you do not need to switch network, which helps reducing system cost.

##### Each Partition Of the System Is Designed with A + B Double Loop

System partition adopts A, B dual-loop design, even if the partition of any circuit failure, the partition can still work properly to ensure the stability of the system work and reliability.

##### System Can Connect 32 Remote Microphones

VA-6200RM adopts CAN bus communication, the use of CAN bus multi-master advantage, making multiple VA-6200RM online use, the user's operation can be timely host response.

##### System Supports Fire PTT Emergency Paging Recording Function

Fire mode, the system host PTT paging automatic recording, without human operation, generate a recording file automatically saved on the host SD card, user-friendly access.

##### Real-time Monitoring of Operating Status, Fault and Emergency Records ≤ 6000

System equipment status real-time detection, automatic fault diagnosis, record the fault status (≤ 6000).

##### Simple and Intuitive User Interface, A Key to Call, It Upgrades the User Experience

VA-6200MA system controller adopts one-button emergency call. It improves the speed of response in an emergency situation more effectively and sure no risk at all.

##### Flexible Zones / Group Paging Operation

VA-6200RM remote microphone can distribute the system zones, zones emergency paging, real-time synchronize the corresponding controller zones circuit status; through the PC software to configure the required group associate with any zones.

##### Efficient and Environmental Class D Amplifier

The CLASS-D series of power amplifiers developed with a professional audio concept offers high energy conversion efficiency, consuming less energy compared with the conventional amplifiers at the same output power.

**Product Functions**

**Controller Multi-source Input**

The system controller supports 2-channel emergency audio input, 2-channel emergency microphone input, 4-channel line input, 1 PTT emergency broadcast, 1 remote microphone input. All input audio sources can be output to the specified zones via the PC software settings, or by the front panel zones selection.

**System Support Zones A, B Loop Circuit State Detection**

The system controller has zones A, B loop circuit status detection, upload, record, can help users to discover the system circuit problems. Detect accuracy can be configured, and the mode can be selected.

**Remote Broadcast and Input Mode**

VA-6200RM supports remote paging, one-key call, one-key reset, the line input mode can be selected, the address code can be viewed, and the controller can be set to connect the location of application functions. The system supports up to 32 remote paging microphones, transmission distance ≤ 1 km.

**Support Recording Function**

System controller support fire mode, PTT emergency paging automatic recording function.

**A Variety of Programmable Voice Alarm Mode**

System alarm trigger input can be configured for the all zones alarm, specify the zone alarm, set up conveniently.

**Amplifier Backup**

VA-6000 system host has a power amplifier backup function to ensure that the main amplifier failure, the backup power amplifier automatically replace to ensure that the system can work properly.

**Two Kinds of Volume Control Relay Way**

It provides three-wire and four-wire system, two kinds of volume control relay way to meet the different places volume control relay demand, product application more flexible.

**Real-time Monitoring of Peripheral Functions**

System equipment with power supply, working status, fault indication and other real status indicator, the user can intuitively, quickly observe the operation of the equipment.

**Real-time Status Output**

The system controller has fault and working status output interface, Controller cascade third party equipment, real-time submit system running state.

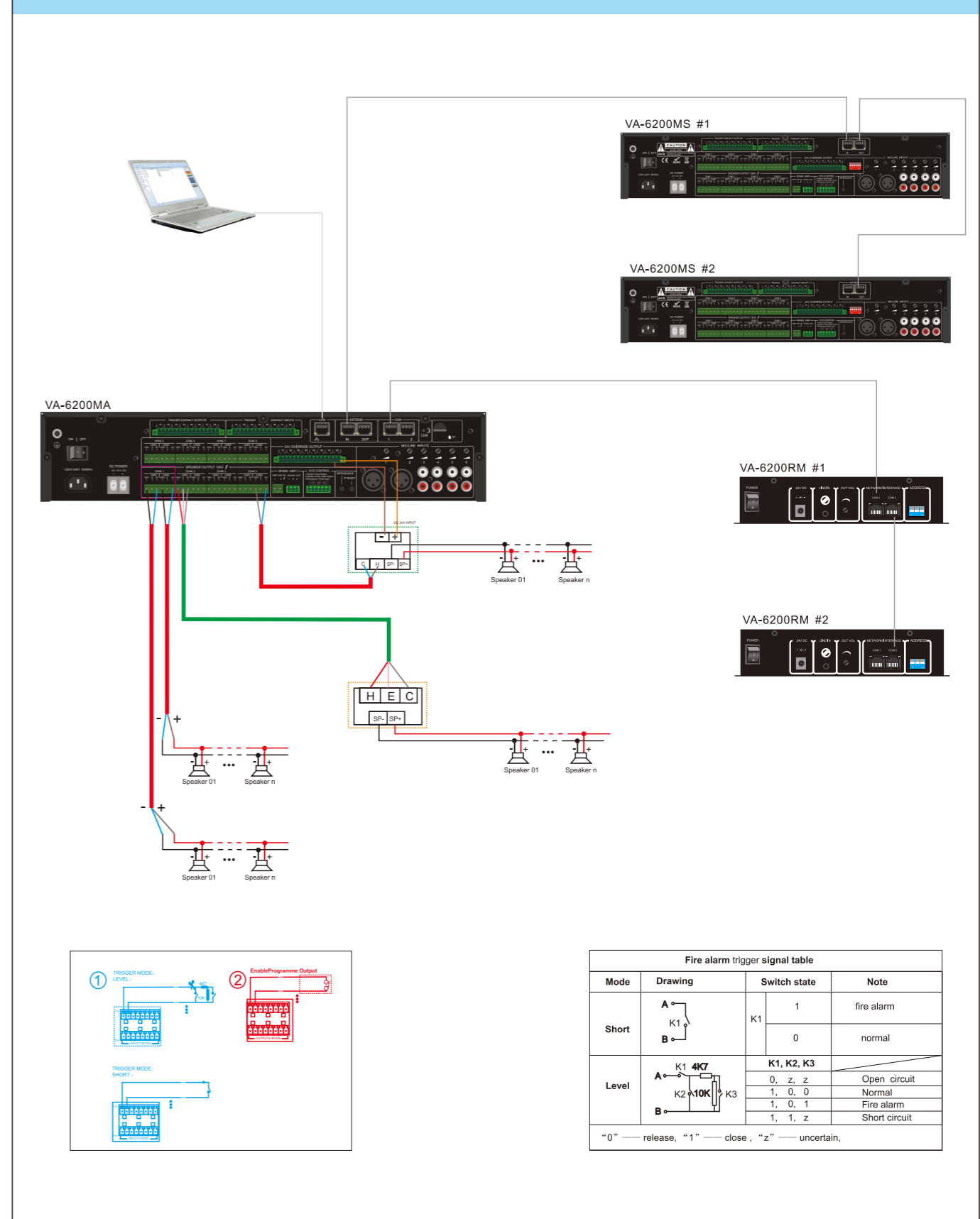
**One Key Page, One Key to Reset**

The system controller has a panel emergency call microphone and a one-button reset function improve the speed of response in an emergency situation more effectively and no risk at all.

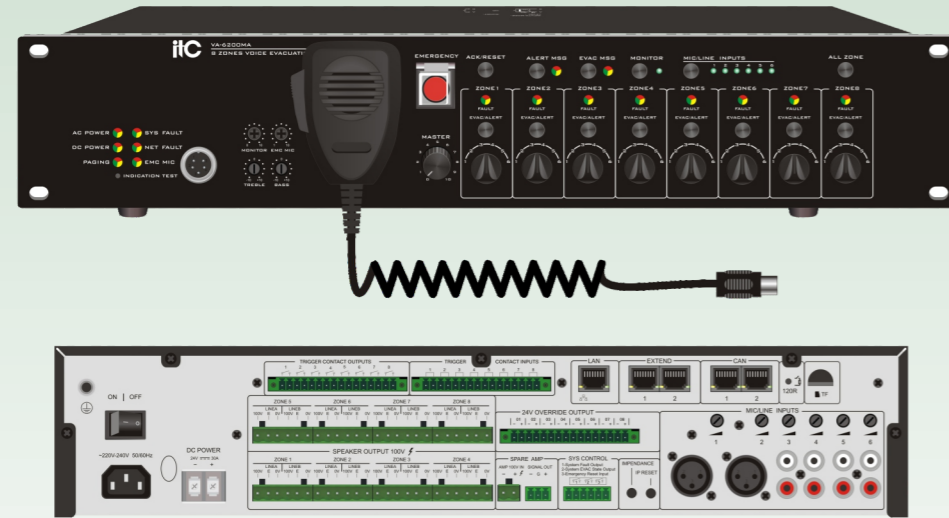
**User-friendly Design, Support Offline Work**

User-friendly design to enhance the sensory enjoyment, but also save more installation space, reduce installation and wiring costs, supporting multi-language PC software interface control, the system controller can independently work without the PC software after configuration.

**Voice Evacuation Alarm System Connection Template**



Controller  
VA-6200MA



Descriptions

Intelligent Public Address and Voice Alarm system is the organic combination of computer network technology, communication technology, information technology and so on. It is a combination of related voice alarm system. Through the PC management software, you can do system function customization and control, automatic completion of the system physical zone status monitoring and management, automatic completion of the terminal equipment monitoring and management. It is mainly used in intelligent residential quarters, shopping malls, shopping centers, and buildings such as voice alarm and background music.

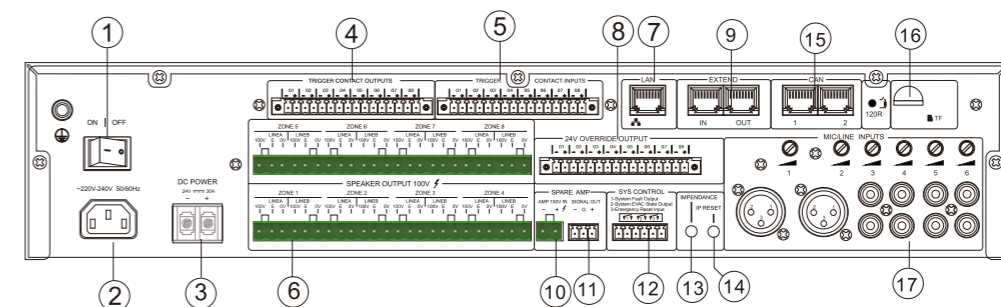
Features

- \* Built-in 500W amplifier, integrated 8 zones A + B independent dual speaker loop partition output, the partition has a separate LED indicator, a separate output control button and volume adjustment.
- \* Audio processing with 6 general audio inputs, it can connect with an external user microphone, CD player, radio and other audio signals, and can be achieved in any partition to play any audio source. Among them, 2 channels have 24V phantom power microphone input, and 4 channels are AUX input.
- \* The local emergency PTT microphone input (remote microphone, emergency voice), allowing users to freely change the audio output priority according to the actual situation, to configure audio input priority through the system control software.
- \* Integrate MP3 function module, use LCD display, support TF card, U disk MP3, WMA, APE, FLAC, WAV, AAC and other file formats, and can display song names. Configure MP3 remote control, support power-off memory and radio functions
- \* With an external backup power amplifier input, when the built-in amplifier is failed, it can automatically switch to the backup amplifier.
- \* Support automatically monitoring the working condition of the each zone speaker loop (open circuit, short circuit).
- \* 8-channel trigger input and output interface, it can trigger the pre-programmed language information to the specified partition or (trigger) corresponding to the external power supply to achieve the corresponding event warning.
- \* It is integrated independent EVAC voice information player.
- \* Remote MIC online interface, it can be connected to a remote microphone and voice alarm microphone. The paging station connection using standard RJ-45 network port and CAT-5 network cable, paging transmission can be used to transmit long-distance transmission;
- \* With controller connection interface, it can be connected to the expansion machine. The connection uses the standard RJ-45 network port and CAT-5 cable transmission
- \* With a TCP / IP communication interface to support the basic Window platform visual interface operation, the state automatically synchronized.
- \* Support 24V DC power supply.
- \* With the monitor function of power amplifier.
- \* Built-in recording function, no need external equipment.
- \* With system failure, emergency dry contact output, emergency reset dry contact input.
- \* The partition output with three-wired, four-wired relay function.
- \* With one IP address reset port.

Specifications

Model	VA-6200MA
Power output	500W
Output voltage	100V
MIC1-2 input distortion	<1% (rated output power), 1KHz
MIC1-2 input frequency response	80Hz~20KHz
MIC1-2 input sensitivity	5mV/600Ω
MIC1-2 input SNR	>65dB
AUX3-6 input distortion	<1% (rated output power), 1KHz
AUX3-6 input frequency response	80Hz~20KHz
AUX3-6 input sensitivity	350mV/10kΩ
AUX3-6 Input SNR	>70dB
Emergency microphone	Emergency microphone
Sensitivity	10mV
Impedance	600Ω
Standby amplifier input	100V
Standby amplifier audio output	±385mV (balanced output)
Alarm input	8 channel
Alarm Output	8 channel
Partition output	8 channel
24V relay output	8 channel
Short circuit mode	No voltage, short connection
Level mode	Require external 10K and 4.7K resistors
Cooling method	Air-cooled
Protection mode	Delay / over temperature / short circuit / overload
Output volume adjustment	6
Built-in MP3 capacity	16G
Format	MP3
Slave Controller Communication	RS485 bus
Slave Controller	Support 19 slave controllers
Remote MIC communication	CAN bus
Remote MIC	Supports 32 remote MIC
Supply voltage	~ 220V-240V, 50/60Hz
Maximum current	3A
Fuse specifications	250V / 5A, slow type
Standby voltage	24V DC, ±20%
Maximum current	30A
Maximum power consumption	600W
Dimension (L x W x D)	484 x 88 x 353mm
Weight	About 10.8kg
Installation method	Desktop or 19" cabinet

Back Panel



Connectors

- ① Power switch
- ② AC power outlet
- ③ DC 24V input interface
- ④ Short circuit interface is output after fire alarm
- ⑤ Fire trigger input interface
- ⑥ Zone 1-8
- ⑦ Switch network, Computer online port
- ⑧ Control interface of 4 wire tone controlled cutting relay
- ⑨ Slave port
- ⑩ Backup power amplifier 100V input interface (Note the positive and negative poles)
- ⑪ Signal output interface, Backup power amplifier input port
- ⑫ System Control:
  - 1) System fault output, When something goes wrong, This port will be closed
  - 2) Fire alarm output, When the fire alarm is triggered, This port will be closed
  - 3) Emergency reset input, Short circuit interface, Fire alarm will be reset
- ⑬ Impedance correction button, Press this button, system will automatically calibrate and record the current impedance
- ⑭ IP address reset button, Press this button, system will automatically reset addresses
- ⑮ Remote control microphone port
- ⑯ TF card interface
- ⑰ 6 background music input

**Extension Controller  
VA-6200MS**



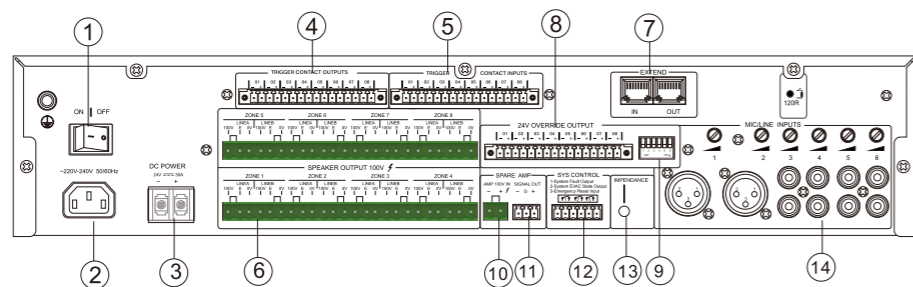
**Features**

- \* Built-in 500W amplifier, with 8 zones and A+B independent dual speaker loop output, each zone has independent LED indicator light, output control button and volume adjustment.
- \* Audio processing with 6 general audio inputs and 1 MP3 input, it can connect with external microphone, CD player, tuner and etc, it can play any audio source in any zone. Among them, 2 channels have 24V phantom power microphone input, 4 channels are AUX input and 1 channel is MP3 audio channel from the controller.
- \* With fault self-check of power-on system, and fault full check of manual system function.
- \* With real-time indication of system status.
- \* Connecting with one backup amplifier, when built-in amplifier damaged, it will switch to backup amplifier automatically.
- \* Automatically monitor every zone speaker loop status (open circuit, short circuit) in real-time.
- \* 8-channel short-circuit/level trigger mode, the trigger response can be configured with 3 different channels of EVAC, ALERT, and LINE3, and the output can be arbitrarily configured with partition, group, and short-circuit contact combination.
- \* Support external 24V backup power supply, realize power-off continuous normal operation without delay;
- \* Extension port can connect controller and next extension device.
- \* The partition output has three-wire and four-wire forced-cut adjustment functions.

**Specifications**

<b>Model</b>	VA-6200MS
<b>Rated Power Output</b>	500W
<b>Output Voltage</b>	100V
<b>MIC1-2 Input Distortion</b>	<1% (output rating), 1KHz
<b>MIC1-2 Input Frequency Response</b>	80Hz~20KHz
<b>MIC1-2 Input Sensitivity</b>	5mV/6/600Ω
<b>MIC1-2 Input SNR</b>	>65dB
<b>AUX3-6 Input Distortion</b>	<1% (output rating), 1KHz
<b>AUX3-6 Input Frequency Response</b>	80Hz~20KHz
<b>AUX3-6 Input Sensitivity</b>	350mV/10kΩ
<b>AUX3-6 Input SNR</b>	>70dB
<b>Spare Amplifier Input</b>	100V
<b>Spare Amplifier Audio Signal Output</b>	±385mV (balanced output)
<b>Alarm Input</b>	8
<b>Alarm Output</b>	8
<b>Zone Input</b>	8
<b>24V Relay Output</b>	8
<b>Short Circuit mode</b>	short circuit
<b>Type of cooling</b>	air-cooled
<b>Guard mode</b>	delay/overheat/ short circuit/ overload
<b>Output Volume Control</b>	6
<b>Supply Voltage</b>	~ 220V-240V, 50/60Hz
<b>Maximum Current</b>	3A
<b>Fuse Size</b>	250V/5A, slow type
<b>Spare Voltage</b>	24V DC, ±20%
<b>Maximum Current</b>	30A
<b>Maximum Power Consumption</b>	600W
<b>Dimensions (L x W x D)</b>	484 x 88 x 353mm
<b>Weight</b>	10.5kg
<b>Installation method</b>	Desktop or 19" cabinet

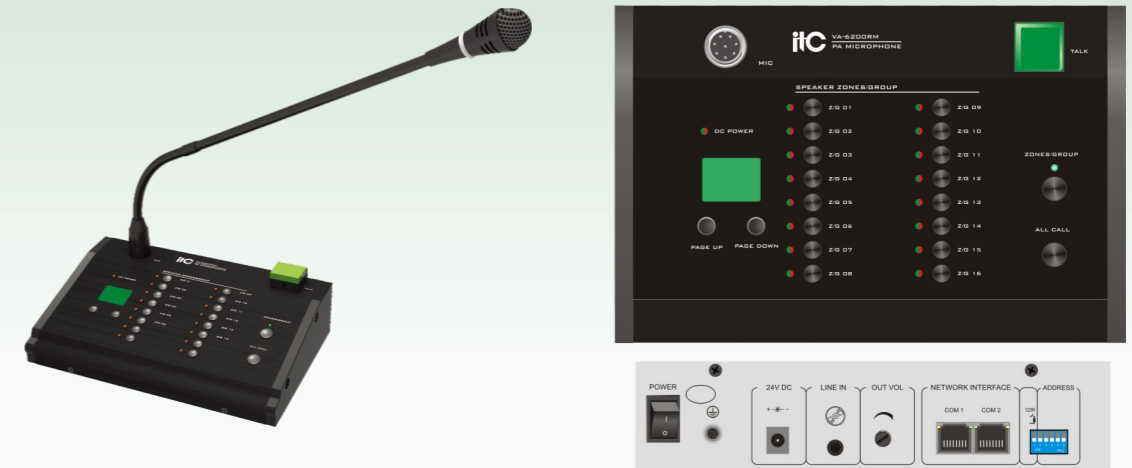
**Back Panel**



**Connectors**

- ① Power switch
- ② AC power outlet
- ③ DC 24V input interface
- ④ Fire alarm trigger output node
- ⑤ Fire alarm trigger input node
- ⑥ 3 wire power amplifier 100V output
- ⑦ 485 Online interface
- ⑧ DC 24V output
- ⑨ Unplug code switch from computer address
- ⑩ Backup power amplifier 100V input
- ⑪ Backup power amplifier signal output
- ⑫ SYS CONTRCL:
  - 1) System fault output, When something goes wrong, This port will be closed
  - 2) Fire alarm output, When the fire alarm is triggered, This port will be closed
  - 3) Emergency reset input, Short circuit interface, Fire alarm will be reset
- ⑬ Impedance correction button
- ⑭ 6 way background music input

**Paging Microphone  
VA-6200RM**



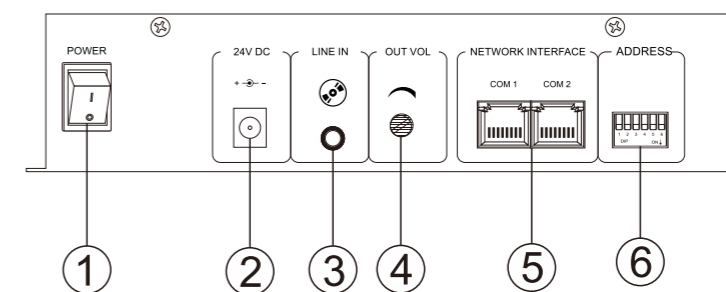
**Features**

- \* Support 16 zones, group paging button.
- \* System max support 32 remote paging microphones.
- \* Microphone support anti-misoperation plug.
- \* Support line audio input, and input/output volume is adjustable.
- \* Paging priority can be set by software.
- \* Support 24 DC power supply.
- \* Remote MIC/Controller has 2 cascade interfaces, 1 in and 1 out.
- \* Optional paging to the main controller or extension controller.

**Specifications**

<b>Model</b>	VA-6200RM
<b>MIC</b>	Capacitor Microphone
<b>MIC Sensitivity</b>	10mV/600Ω
<b>MIC Frequency Response</b>	200Hz~10KHz
<b>MIC SNR</b>	>65dB
<b>Line Input Sensitivity</b>	775mV/10KΩ
<b>Line Input Frequency Response</b>	80Hz~16KHz
<b>Line Input SNR</b>	>70dB
<b>Signal Output</b>	1V
<b>Distortion</b>	<1% (Rated output power), 1KHz
<b>Supply Voltage</b>	24V DC
<b>Dimension (L x W x D)</b>	256 x 52 x 149mm
<b>Net Weight</b>	1.3kg

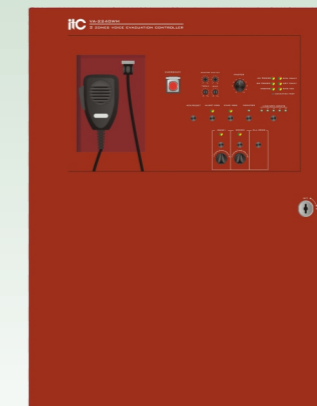
**Back Panel**



**Connectors**

- ① Power switch
- ② DC voltage input
- ③ Line Sound source input
- ④ Output volume adjustment
- ⑤ CAN Communication network port
- ⑥ Dial code setting:(Upward: Use Down: Close)

**2 Zones Voice Evacuation Controller  
VA-2240WM**



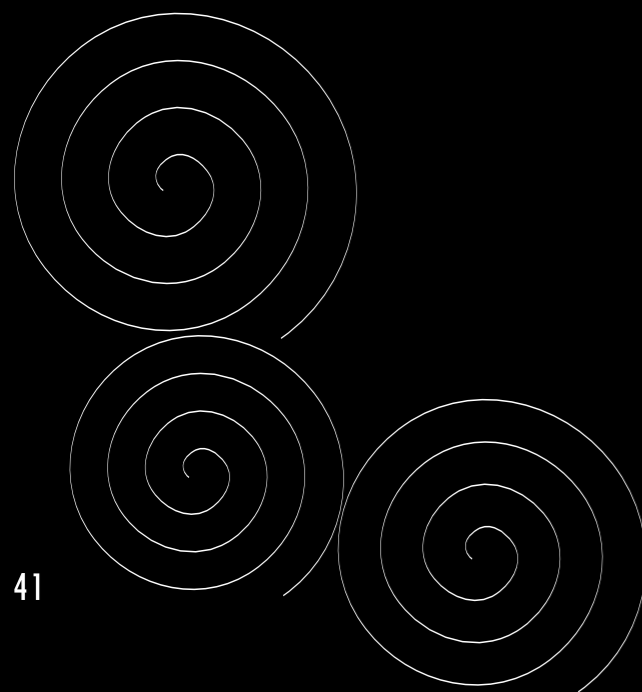
**Descriptions**

- \* Built-in 240W high-efficiency digital power amplifier, integrated 2 power A + B independent dual-speaker loop zone output, each zone has independent LED indicator, independent output control buttons and volume adjustment.
- \*4 audio balanced input interfaces for playing any audio source in the zones
- \*Local emergency PTT microphone input and emergency voice can be configured by PC software to be played in specific zone.
- \*Automatically detect the working status of each zone loop (fault, normal)
- \*The 4-channel trigger input/output port can trigger the emergency voice preset by the PC software to the specified zone or the corresponding external power source to the corresponding event warning.
- \*Support third-party emergency audio input (user-defined emergency audio source)
- \*Integrated independent EVAC/ALERT voice information player.
- \*The remote paging microphone / fireman microphone online interface can connect with remote paging microphone and fireman microphone, each paging station connection uses standard RJ-45 network port and standard CAT-5 network cable, voice transmission uses balanced transmission mode for long-distance transmission.
- \*Controller online interface can be connected to the slave unit, it uses standard RJ-45 network port and standard CAT-5 network cable.
- \*communication interface, supports visual interface operation based on Window platform, and the system status can be automatically synchronized.
- \*Support DC24V battery backup power supply.
- \*With power amplifier monitoring function.
- \*Support PTT recording function, no external equipment required.
- \*System fault, dry contact output for emergency status, dry contact input for emergency status reset
- \*The zone output has three-wire and four-wire over-riding adjustment functions.
- \*With IP address reset function and impedance calibration function.
- \*The master-slave unit is integrated, and the device can be used as a controller or a slave unit by setting code address, and the maximum of 19 slaves can be simultaneously online.
- \*The system can extend the number of the zones by slave units, it support 40 zones maximum.

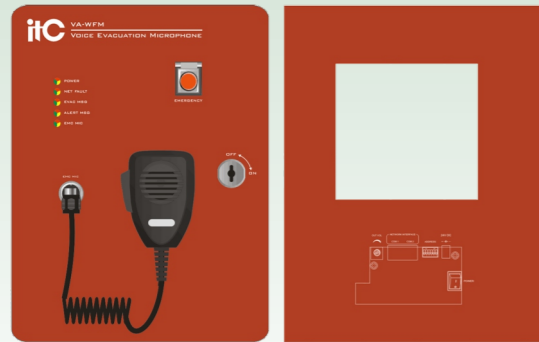
**Specifications**

<b>Model</b>	VA-2240WM
<b>Voltage</b>	~220V±20%, 50/60Hz
<b>Fuse specifications</b>	2A slow breaking type
<b>MIC input</b>	
<b>Sensitivity</b>	±2.5mV
<b>Frequency response</b>	200Hz~10KHz
<b>Input impedance</b>	1KΩ
<b>Signal to noise ratio</b>	>65dB
<b>Balanced line input</b>	
<b>Sensitivity</b>	±385mV
<b>Frequency response</b>	80Hz~16KHz
<b>Input impedance</b>	10KΩ
<b>Signal to noise ratio</b>	>70dB
<b>RS485 interface</b>	Slave RS485 interface Supports the highest baud rate of 38400bps Support up to 19 expansion machines
<b>CAN interface</b>	Remote MIC console CAN interface Baud rate 50Kbps Supports up to 28 remote Microphone and 4 Fireman Remote Microphone
<b>Trigger mode</b>	short circuit trigger and level trigger
<b>Output mode</b>	relay short circuit output
<b>Dimension(mm)</b>	570×440×186mm
<b>Net weight</b>	17.6Kg
<b>Installation</b>	Wall Mounted
<b>Color</b>	Fireman's Red
<b>Operating temperature</b>	+5°C ~ +40°C
<b>Storage temperature</b>	-20°C ~ +70°C
<b>Relative temperature</b>	<95%

**All in One Wall-mounted Public Address and Voice Evacuation System**



**Voice Evacuation Microphone  
VA-WFM**



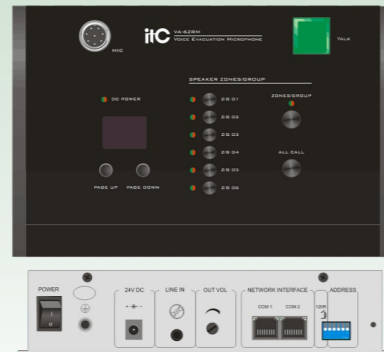
**Descriptions**

- \*Paging to all zones in the system.
- \*Enter into or exit the emergency mode.
- \*Support fireman mic recording function.
- \*Support self detection in paging conflict status.
- \*Can display the EVAC/ALERT audio source status.
- \*Same priority of fireman mic and PTT mic.
- \*Support power supplied by 24V DC and network cable.
- \*Support max 4pcs fireman mics.

**Specifications**

<b>Model</b>	VA-WFM
<b>Power supply</b>	Voltage ~ DC 24V battery
<b>Mic input</b>	24V network port
<b>Sensitivity</b>	5MV±0.5mV
<b>Frequency response</b>	200Hz~10kHz
<b>Input impedance</b>	≥1kΩ
<b>CAN interface</b>	CAN interface of remote mic Baud rate of 100bps Support up to 4 fireman mic
<b>Dimension(mm)</b>	260×200×100mm
<b>Net weight</b>	2.3Kg
<b>Installation</b>	Wall mounted
<b>Color</b>	Grey
<b>Operating temperature</b>	+5℃ ~ +40℃
<b>Storage temperature</b>	-20℃ ~ +70℃
<b>Relative temperature</b>	<95%

**Voice Evacuation Microphone  
VA-6ZRM**



**Features**

- \* Support 40 zones, 6 group button paging.
- \* Support zone configuration to any grouping.
- \* Support consecutive paging for any controller of 1 ~ 6 zones.
- \* Support line input / microphone output. And output volume is adjustable.
- \* Remote microphone paging priority can be configured.
- \* Display the zone status of the associated controller in real time.
- \* Support 24 DC power supply, POE power supply.
- \* The system supports up to 28 remote microphones.

**Specifications**

**Analog audio**

<b>MIC microphone input</b>	
<b>Sensitivity</b>	10MV±1mV
<b>Frequency response</b>	200Hz~10kHz
<b>Input impedance</b>	≥1kΩ

<b>LINE unbalanced line audio input</b>	
<b>Sensitivity</b>	775MV±50mV
<b>Frequency response</b>	80Hz~16kHz
<b>Impedance</b>	≥10kΩ

**Balanced line output**

<b>Amplitude</b>	1000MV±50mV
<b>Distortion</b>	<0.3%, 1 kHz
<b>Frequency response</b>	200Hz~10kHz
<b>Output impedance</b>	470Ω
<b>SNR</b>	>60dB

**Communication**

<b>CAN interface</b>	Remote MIC console CAN interface Baud rate 100Kbps Support up to 32 remote MIC consoles
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**Mechanical indicators**

<b>Dimension(mm)</b>	197 x 115 x 44 mm
<b>Net weight</b>	About 1.2KG
<b>Installation</b>	Desktop or 19-inch cabinet
<b>Color</b>	Black

**Environmental requirements**

<b>Operating temperature</b>	+5℃ ~ +40℃
<b>Storage temperature</b>	-20℃ ~ +70℃
<b>Relative temperature</b>	<95%

**8 Zone Voice Evacuation Controller  
VA-8650WM**



**Descriptions**

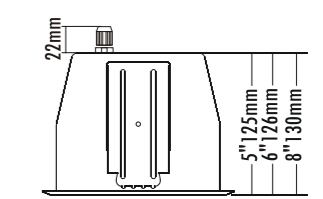
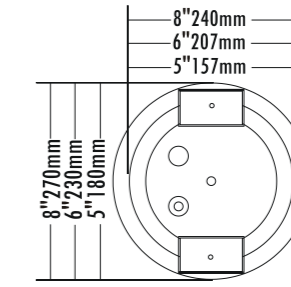
- \* Built in 650W high-efficiency power amplifier, integrated 8 power A + B independent dual-speaker loop zone output, each zone has independent LED indicator, independent output control buttons and volume adjustment
- \* 4 audio balanced input interfaces for playing any audio source in the zones
- \* Local emergency PTT microphone input and emergency voice can be configured by PC software to be played in specific zone
- \* Integrate independent MP3 playback module, support USB, SD card and FM tuner function.
- \* Automatically detect the working status of each zone loop (fault, normal)
- \* The 8-channel trigger input/output port can trigger the emergency voice preset by the PC software to the specified zone or the corresponding external power source to the corresponding event warning.
- \* Support third-party emergency audio input (user-defined emergency audio source)
- \* Integrated independent EVAC/ALERT voice information player
- \* There are online interface for the remote paging microphone and fireman microphone. The connection between each paging station uses standard RJ-45 network port and standard CAT-5 network cable. The voice transmission uses balanced transmission mode for long-distance transmission
- \* Controller online interface can be connected to the slave unit, it uses standard RJ-45 network port and standard CAT-5 network cable
- \* 1 Channel TCP/IP communication interface, supports visual interface operation based on Window platform, and the system status can be automatically synchronized
- \* Support DC24V battery backup power supply
- \* With power amplifier monitoring function
- \* Support PTT recording function, no external equipment required
- \* With System fault output, emergency dry contact output and dry contact reset input for emergency status
- \* The zone output has three-wire and four-wire over-riding adjustment function
- \* With IP address reset function and impedance calibration function
- \* The master-slave unit is integrated, and the device can be used as a controller or a slave unit by setting DIP address, and the maximum of 19 slaves can be simultaneously online.
- \* The system can extend the number of the zones by slave units, it support 160 zones maximum

**Specifications**

<b>Model</b>	VA-8650WM
<b>Voltage</b>	~220V±20%, 50/60Hz
<b>Fuse specifications</b>	10A slow breaking type
<b>MIC input</b>	
<b>Sensitivity</b>	±2.5mV
<b>Frequency response</b>	200Hz~10KHz
<b>Input impedance</b>	1KΩ
<b>Signal to noise ratio</b>	>65dB
<b>Balanced line input</b>	
<b>Sensitivity</b>	±385mV
<b>Frequency response</b>	80Hz~16KHz
<b>Input impedance</b>	10KΩ
<b>Signal to noise ratio</b>	>70dB
<b>RS485 interface</b>	Slave RS485 interface Supports the highest baud rate of 38400bps Support up to 19 expansion machines
<b>CAN interface</b>	Remote MIC console CAN interface Baud rate 50Kbps Supports up to 28 remote Microphone and 4 Fireman Remote Microphone
<b>Trigger mode</b>	short circuit trigger and level trigger
<b>Output mode</b>	relay short circuit output
<b>Size (L×W×H)</b>	835*550*290mm
<b>Net weight Installation</b>	23Kg Wall Mounted Fireman's Red
<b>Color</b>	
<b>Operating temperature</b>	+5℃ ~ +40℃
<b>Storage temperature</b>	-20℃ ~ +70℃
<b>Relative temperature</b>	<95%

**Fireproof Ceiling Speaker**  
**VA-565/VA-575/VA-585**  
 Material: iron cover + aluminum mesh

**EN CERTIFIED**

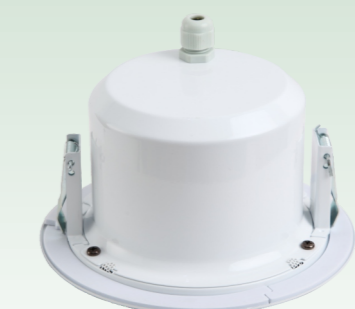


Model	VA-565	VA-575	VA-585
Power Taps @100V	6W, 3W, 1.5W, 0.75W, 0.38W	6W, 3W, 1.5W, 0.75W, 0.38W	15W, 7.5W, 3.75W, 1.87W, 0.93W
Power Taps @70V	3W, 1.5W, 0.75W, 0.38W, 0.19W	3W, 1.5W, 0.75W, 0.38W, 0.19W	7.5W, 3.75W, 1.87W, 0.93W, 0.46W
Impedance	Com/1240Ω/1840Ω/3340Ω/6790Ω/13300Ω	Com/1390Ω/1980Ω/3410Ω/7080Ω/13230Ω	Com/670Ω/1300Ω/2600Ω/5300Ω/8950Ω
SPL	92dB	92dB	93dB
Frequency Response (-10dB)	130-18KHz	120-18KHz	80-20KHz
Finish	Baffle: Steel, White Grille: Steel, White Cover: Steel, Red	Baffle: Steel, White Grille: Steel, White Cover: Steel, Red	Baffle: Steel, White Grille: Steel, White Cover: Steel, Red
Speaker Driver	5" x 1	6" x 1	8" x 1 1.5" x 1
Cutout Size	162mm	207mm	240mm
Dimension	180 x 147mm	230 x 148mm	270 x 152mm
Weight	1.2Kg	1.6Kg	1.7Kg

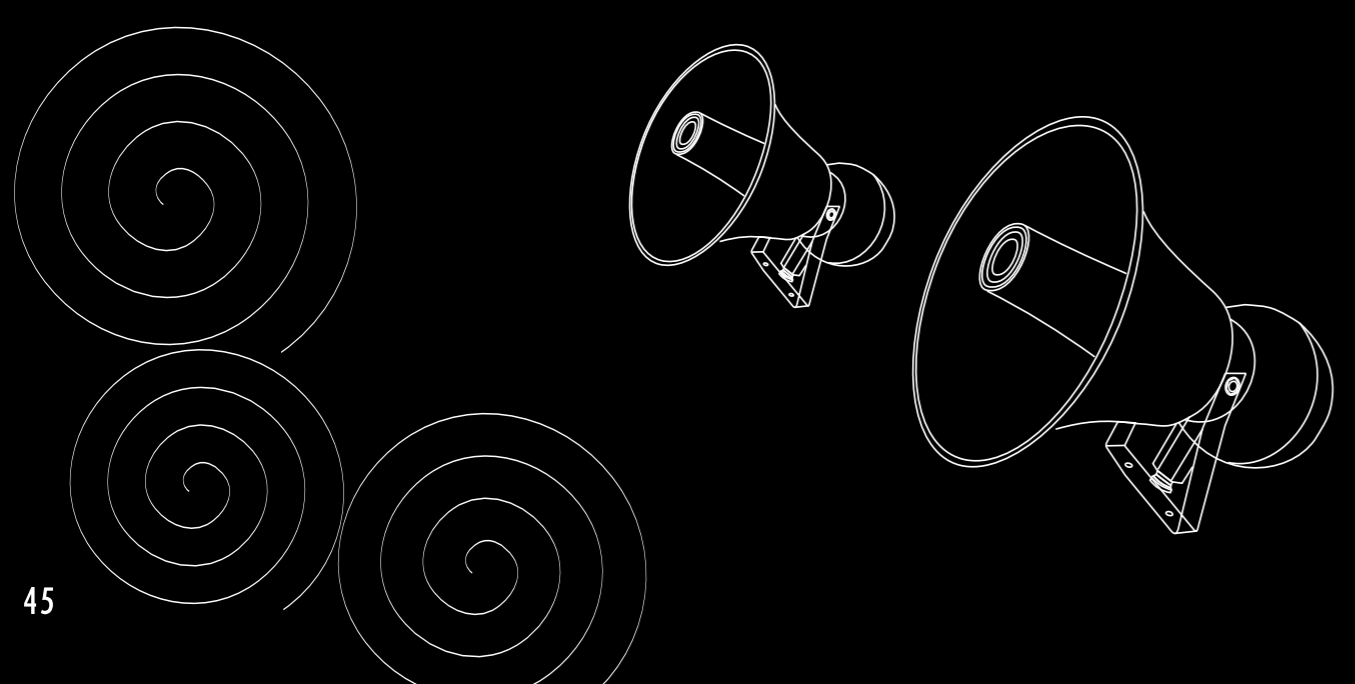
Fireproof Speaker

**Fireproof Ceiling Speaker**  
**VA-104C/105C**

**EN CERTIFIED**



Model	VA-104C	VA-105C
Power Taps@100v	6W,3W,1.5W	6W,3W,1.5W
Impedance	17000/33000/67000	17000/33000/67000
SPL	91dB	92dB
Freq Response(t3dB)	110-16KHz	110-18KHz
Sensitivity	71dB	71dB
Cutout size	155 mm	170 mm
Coverage angle 500Hz	180°	180°
Coverage angle 1KHz	175°	175°
Coverage angle 2KHz	170°	155°
Coverage angle 4KHz	85°	85°
Size	180X120 mm	200X120 mm
Weight	0.9Kg	1Kg

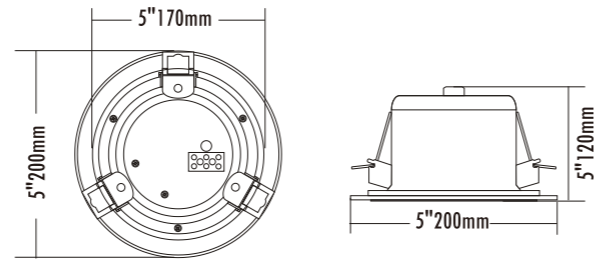


**Fireproof Ceiling Speaker  
VA-505A**



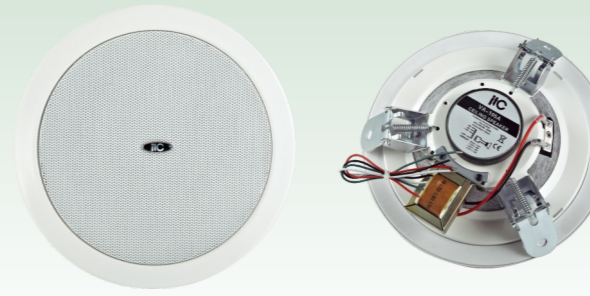
**Descriptions**

\* Indoor with flame retardant iron back cover full audio ceiling speaker, fireproof design, spring presser foot system, convenient for user installation. Application: fire fighting, shops, supermarkets, hotels, etc.



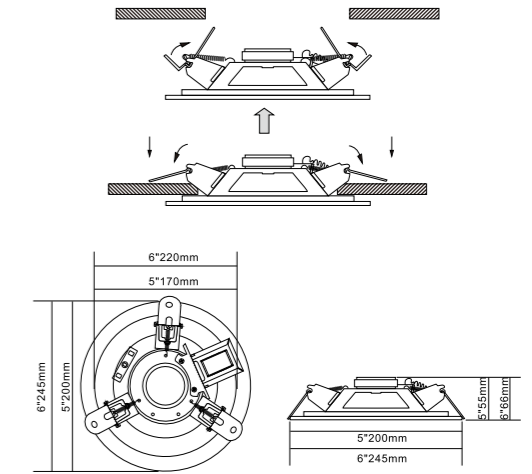
<b>Model</b>	VA-505A
<b>Power Taps @100V</b>	6W
<b>Power Taps @70V</b>	3W
<b>Impedance</b>	COM/1.7KΩ
<b>SPL(1W/1M)</b>	96dB
<b>Frequency Response (-10dB)</b>	110-18KHz
<b>Speaker Driver</b>	5" x 1 1.5" x 1
<b>Cutout Size</b>	170mm
<b>Dimension</b>	200 x 120mm
<b>Weight</b>	1Kg

**Ceiling Speaker  
VA-105A**



**Application**

\* Suitable for hotels, guesthouses, clubs, etc.

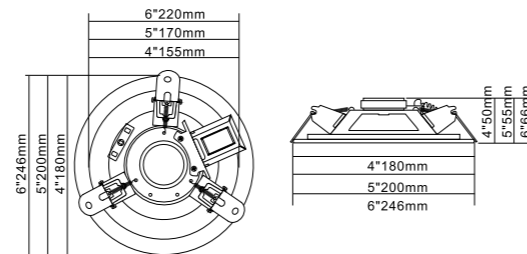
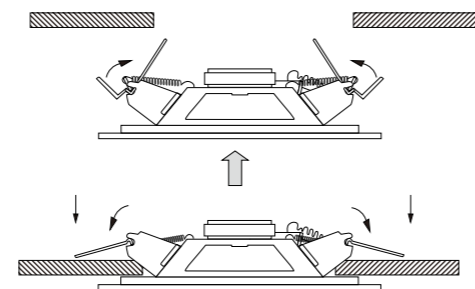


**Feature**

\* High-quality ceiling speakers, metal shell, aluminum mesh cover, spring pressure system, easy to install.  
\* Coaxial speaker unit design, enjoy the extraordinary experience of both music and vocals, experience the clear reproduction of vocals and the smooth response of background music.  
\* High-performance copper wire audio transformer is used to reduce the loss caused by impedance in the circuit.

<b>Model</b>	VA-105A
<b>Rated Power(100V)</b>	1.5W, 3W, 6W
<b>Rated Power(70V)</b>	0.75W, 1.5W, 3W
<b>Impedance</b>	Com: Red: 6.7KΩ/Green: 3.3KΩ/White: 1.7KΩ
<b>Sensitivity(1W/1M)</b>	94dB±3dB
<b>Maximum Sensitivity(W/1M)</b>	102dB ±3dB
<b>Frequency Response(-10dB)</b>	110-18KHz
<b>Speaker Unit</b>	5" x 1 1.5" x 1
<b>Cutout Size</b>	170mm
<b>Dimension</b>	200×60mm
<b>Weight</b>	0.8Kg

**Ceiling Speaker  
VA-104/VA-105/VA-106**



**Features**

\* High-quality ceiling speakers, metal shell, aluminum mesh, spring compression system, easy to install.  
\* Full-range unit design, enjoy the extraordinary experience of both music and vocals, experience the clear reproduction of vocals and the smooth response of background music.  
\* High-performance copper wire audio transformer is used to reduce the loss caused by impedance in the circuit.

**Application**

\* Suitable for hotels, hostels, clubs, etc.

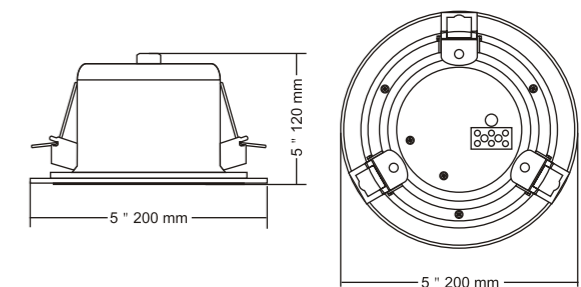
Model	VA-104	VA-105	VA-106
<b>Rated power(100V)</b>	1.5W, 3W, 6W	1.5W, 3W, 6W	3W, 6W, 9W
<b>Rated power(70V)</b>	0.75W, 1.5W, 3W	0.75W, 1.5W, 3W	1.5W, 3W, 4.5W
<b>Impedance</b>	Black: Com Red: 6.7KΩ/ Green: 3.3KΩ/ White: 1.7KΩ	Black: Com Red: 6.7KΩ/ Green: 3.3KΩ/ White: 1.7KΩ	Black: Com Red: 3.3KΩ/ Green: 1.7KΩ/ White: 1.1KΩ
<b>Sensitive(1W/1M)</b>	92dB ±3dB	92dB ±3dB	92dB ±3dB
<b>Max sensitive(W/1M)</b>	100dB ±3dB	100dB ±3dB	102dB ±3dB
<b>Frequency response(-10dB)</b>	130-16KHz	110-18KHz	110-18KHz
<b>Dirve unit</b>	4"×1	5"×1	6"×1
<b>Cutout size</b>	155mm	170mm	220mm
<b>Dimension(mm)</b>	180×55mm	200×60mm	246×66mm
<b>Weight</b>	0.7kg	0.8kg	1kg

**Ceiling Speaker  
VA-105CA**



**Feature**

\* Indoor with flame retardant iron back cover full audio ceiling speaker, fireproof design, spring presser foot system, convenient for user installation. Application: fire fighting, shops, supermarkets, hotels, etc.



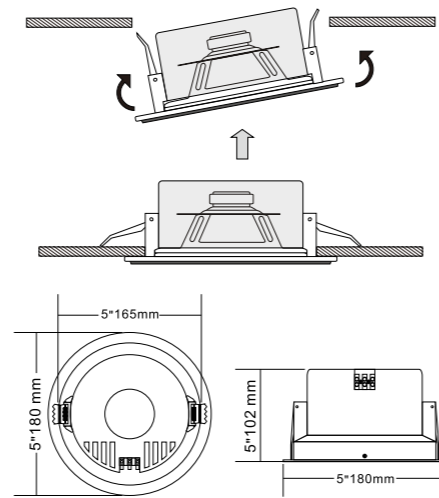
<b>Model</b>	VA-105CA
<b>Rated Power(100V)</b>	3W, 6W
<b>Rated Power(70V)</b>	1.5W, 3W
<b>Impedance</b>	Com / 3.3KΩ/ 1.7KΩ
<b>Sensitivity(1W/1M)</b>	96dB
<b>Maximum Sensitivity(W/1M)</b>	104dB
<b>Frequency Response(-10dB)</b>	110-18KHz
<b>Speaker Unit</b>	5"×1 1.5"×1
<b>Cutout Size</b>	170mm
<b>Dimension</b>	200×120mm
<b>Weight</b>	1Kg

**Ceiling Speaker  
VA-105F**



**Features**

\* Full frequency indoor ceiling speaker, it can be applied to hospitals, hotels, shopping malls, etc.



<b>Model</b>	VA-105F
<b>Rated Power(100V)</b>	3W, 6W
<b>Rated Power(70V)</b>	1.5W, 3W
<b>Impedance</b>	Com / 3.3KΩ/ 1.7KΩ
<b>Sensitivity(1W/1M)</b>	89dB
<b>Maximum Sensitivity(W/1M)</b>	96dB
<b>Frequency Response(-10dB)</b>	100-16KHz
<b>Speaker Unit</b>	5" x 1
<b>Cutout Size</b>	165mm
<b>Dimension</b>	180 x 102mm
<b>Weight</b>	0.7Kg

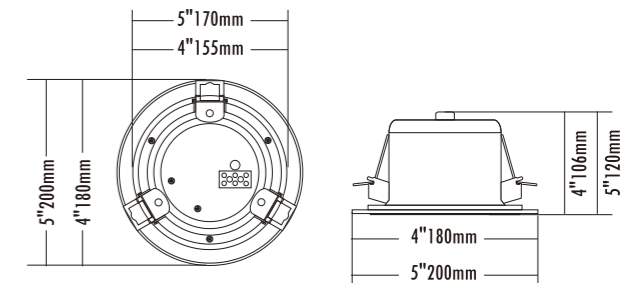
**Fireproof Ceiling Speaker  
VA-504/VA-505**

Material: iron cover + aluminum mesh



**Descriptions**

\* Indoor with flame retardant iron back cover full audio ceiling speaker, fireproof design, spring presser foot system, convenient for user installation. Application: fire fighting, shops, supermarkets, hotels, etc.



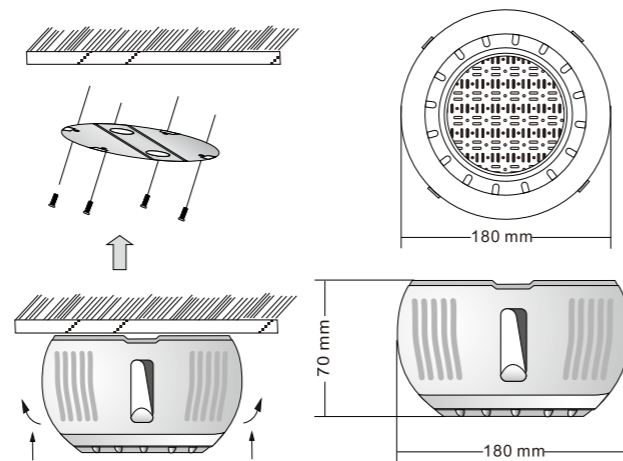
	VA-504	VA-505
<b>Model</b>	VA-504	VA-505
<b>Power Taps @100V</b>	6W	6W
<b>Power Taps @70V</b>	3W	3W
<b>Impedance</b>	COM/1.7KΩ	COM/1.7KΩ
<b>SPL(1W/1M)</b>	89dB	90dB
<b>Frequency Response (-10dB)</b>	110-16KHz	110-18KHz
<b>Finish</b>	Baffle: Steel, White Grille: Aluminum, White Cover: Steel, Orange	Baffle: Steel, White Grille: Aluminum, White Cover: Steel, Orange
<b>Speaker Driver</b>	4" x 1	5" x 1
<b>Cutout Size</b>	155mm	170mm
<b>Dimension</b>	180 x 106mm	200 x 120mm
<b>Weight</b>	0.9Kg	0.9Kg

**Ceiling Speaker  
VA-105T**



**Feature**

\* Surface mounted high quality ceiling speaker, simple and convenient, suitable for hotels, hotels, clubs, etc.



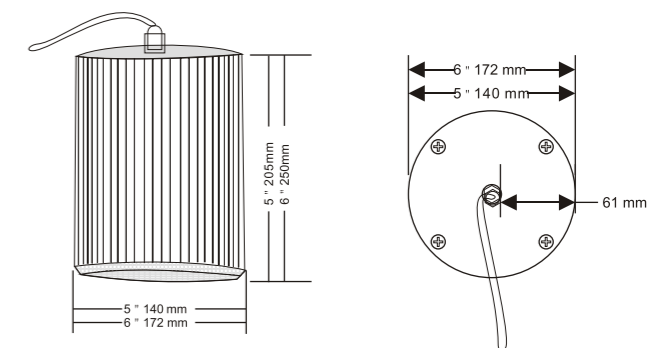
<b>Model</b>	VA-105T
<b>Rated Power(100V)</b>	3W
<b>Sensitivity</b>	92dB
<b>Maximum Sensitivity</b>	97dB
<b>Frequency Response</b>	110-16KHz
<b>Impedance</b>	Black: Com Red: 3.3KΩ
<b>Speaker Unit</b>	4" x 1
<b>Dimension</b>	180 x 70mm
<b>Weight</b>	0.6Kg

**Pendant Speaker  
VA-200B**



**Feature**

\* Aluminum body, imitation chandelier design, wide-band speaker unit; suitable for shopping malls, supermarkets, hotels, etc.

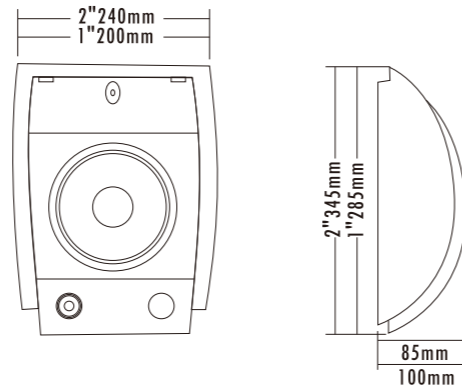


<b>Model</b>	VA-200B
<b>Rated Power(100V)</b>	3.75W, 7.5W, 15W
<b>Rated Power(70V)</b>	1.85W, 3.75W, 7.5W
<b>Maximum Power</b>	30W
<b>Frequency Response</b>	150-14KHz
<b>Sensitivity</b>	92dB
<b>Impedance</b>	Blue: Com Green: 2.6KΩ Yellow: 1.3KΩ Red: 670KΩ
<b>Speaker Unit</b>	6" x 1
<b>Dimension</b>	172x250mm
<b>Weight</b>	2.6Kg

Wall Mount Loudspeaker  
VA-611/VA-612



Unique appearance design, plastic shell, using 2 frequency design, simple suspension mode; suitable for schools, corridors, supermarkets, etc.



<b>Model</b>	VA-611	VA-612
<b>Power Taps @100V</b>	1.5W, 3W, 6W	2.5W, 5W, 10W
<b>Power Taps @70V</b>	0.75W, 1.5W, 3W	1.25W, 2.5W, 5W
<b>Impedance</b>	Black: COM Red: 6.7KΩ / 3.3KΩ / 1.7KΩ	Black: COM Red: 4KΩ / 2KΩ / 1KΩ
<b>SPL (1W/1M)</b>	90dB ±3dB	91dB ±3dB
<b>Max. SPL (Rated1W/1M)</b>	98dB	101dB
<b>Frequency Response (-10dB)</b>	90-18KHz	90-18KHz
<b>Speaker Driver</b>	5" x 1 2" x 1	6" x 1 2" x 1
<b>Dimension</b>	285 x 200 x 85mm	345 x 240 x 100mm
<b>Weight</b>	1.3Kg	1.7Kg
<b>Mounting</b>	Spring-clip	Spring-clip

Wall mount speaker  
VA-611EN

EN CERTIFIED



Fireproof wall mounted speaker  
VA-700EN

EN CERTIFIED



Description

\* Interior wall mounted speaker, unique shape design, ABS plastic and iron mesh structure. The speaker adopts 2 frequency division design: A 5 inch bass and 2 inch treble composition, low frequency full treble clear, built-in endless capacitor, fuse and high-performance copper wire audio transformer, can reduce the loss caused by impedance in the circuit, mesh cover using internal breathable cotton process, can prevent dust or liquid into effect the sound quality, protect the speaker, Increase the service life, power selection using 3 gear pull switch for adjustment, simple suspension mode, easy to operate and install. The speaker have 160 dispersion angle with fire dome and shall be as per UL1480 & UI1971.  
\* Scope of application: Suitable for schools, corridors, supermarkets, etc.

Description

\* Indoor fireproof wall mounted speaker, unique appearance design, metal iron shell and iron mesh structure, speaker using a 5 inch full frequency speaker unit design, sound radiation Angle is large, low frequency full sound quality is clear, built-in endless capacitor, fuse and high-performance copper wire audio transformer, can reduce the loss caused by impedance in the circuit, mesh cover using internal breathable cotton process, Can prevent dust or liquid into affect the sound quality, protect the horn, increase the service life, simple suspension mode, easy to operate the installation  
\* Scope of application: Suitable for schools, corridors, supermarkets and large shopping malls.

<b>Model</b>	VA-611EN
<b>Rated Power@110V</b>	6W/3W/1.5W
<b>Impedance</b>	Black:Com , Red:1667Ω / 3333Ω / 6667Ω
<b>Sensitivity(1W/4m)</b>	75.3dB
<b>Max SPL</b>	82.7dB
<b>Freq Response</b>	90Hz-18KHz
<b>Dimensions</b>	285×200×85 mm
<b>Weight</b>	1.32Kg

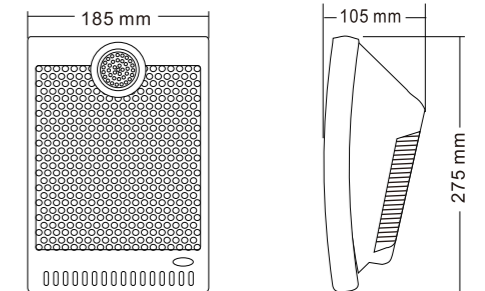
<b>Model</b>	VA-700EN
<b>Rated Power@100V</b>	6W,3W,1.5W,0.75W,0.38W
<b>Impedance</b>	Com/1667Ω/3333Ω/6667Ω/13333Ω/26316Ω
<b>Sensitivity(1W/4M)</b>	75.6dB
<b>MAX SPL</b>	83.7dB
<b>Freq Response</b>	100Hz-16KHz
<b>Horn Unit</b>	5"X1
<b>Dimensions</b>	245X210X90mm
<b>Weight</b>	1.79Kg

Wall-mounted Speaker  
VA-601



Features

- \* Indoor wall-mounted speakers, streamlined appearance, large sound radiation angle, full-frequency design.
- \* Application: school, hotel, supermarket, etc.



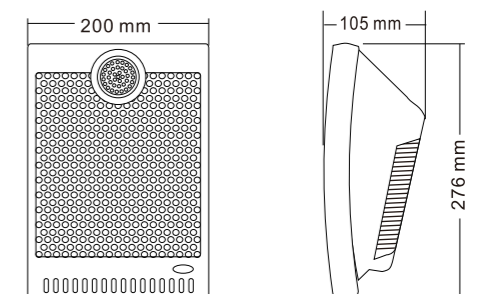
<b>Model</b>	VA-601
<b>Rated Power(100V)</b>	3W, 6W, 10W
<b>Rated Power(70V)</b>	1.5W, 3W, 5W
<b>Maximum Sensitivity</b>	101dB
<b>Sensitivity</b>	91dB±3dB
<b>Impedance</b>	Com / 3.3KΩ/ 1.7KΩ/ 1KΩ
<b>Frequency Response</b>	130-18KHz
<b>Speaker Unit</b>	6.5" x 1
<b>IP Level</b>	IP x 5 dust-proof
<b>Dimension</b>	185 x 275 x 105mm
<b>Weight</b>	1.4Kg

Wall-mounted Speaker  
VA-601S



Features

- \* Indoor wall-mounted speakers, streamlined appearance, large sound radiation angle, full-frequency design.
- \* Application: school, hotel, supermarket, etc.



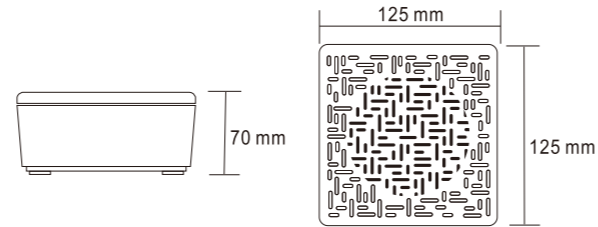
<b>Model</b>	VA-601S
<b>Rated Power(100V)</b>	6W
<b>Rated Power(70V)</b>	3W
<b>Maximum Power</b>	10W
<b>Sensitivity</b>	92dB±3dB
<b>Impedance</b>	Black: Com Red: 1.7KΩ
<b>Frequency Response</b>	130-16KHz
<b>Speaker Unit</b>	6.5"
<b>IP Level</b>	IP x 5 dust-proof
<b>Dimension</b>	200 x 105 x 276mm
<b>Weight</b>	1Kg

**Wall-mounted Speaker  
VA-601C**



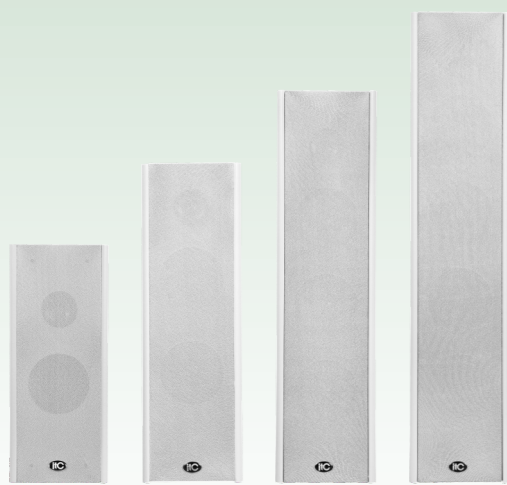
**Features**

- \* Bathroom high-quality waterproof speakers, adopt small-diameter waterproof speakers, wall-mounted installation.
- \* Application: bathroom, bathhouse, etc.



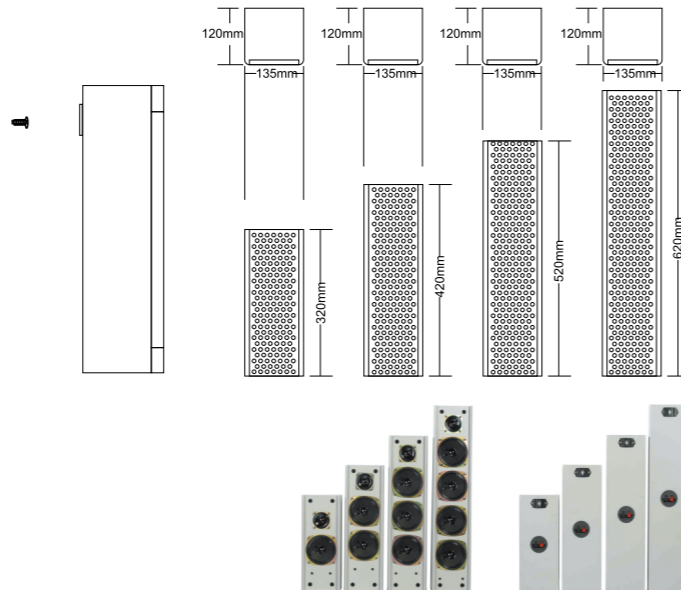
<b>Model</b>	VA-601C
<b>Rated Power (100V)</b>	1.5W, 3W
<b>Rated Power (70V)</b>	0.75W, 1.5W
<b>Maximum Power</b>	6W
<b>Sensitivity</b>	93dB ±3dB
<b>Impedance</b>	Com / 6.7KΩ/ 3.3KΩ
<b>Frequency Response</b>	130-16KHz
<b>Speaker Unit</b>	3"×1
<b>Dimension</b>	125×125×70mm
<b>Weight</b>	0.6kg

**Column Speaker  
VA-301/VA-302/VA-303/VA-304**



**Features**

- \* Indoor luxury column speaker, using high-density wooden structure, clear and bright sound, simple installation.
- \* Application: school, supermarket, hotel, shopping mall, etc.

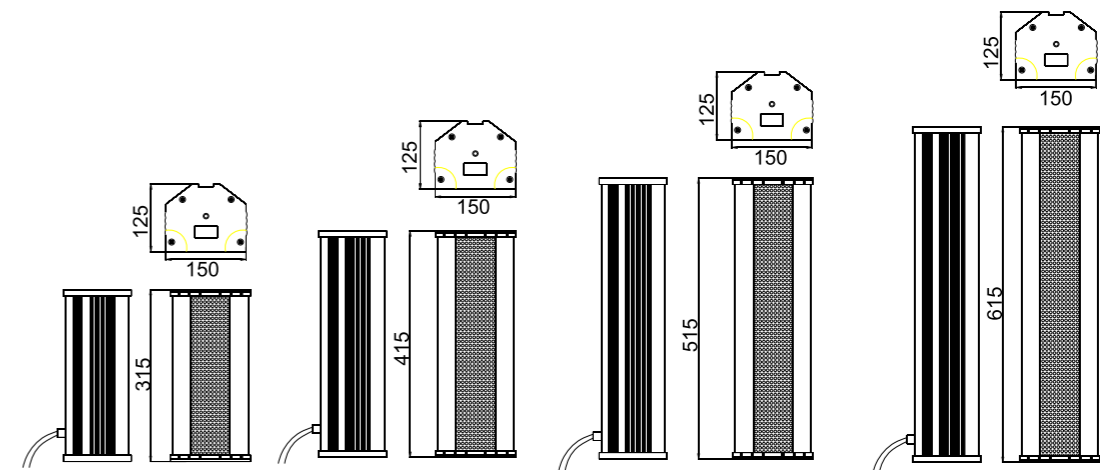


Model	VA-301	VA-302	VA-303	VA-304
<b>Rated Power</b>	10W	20W	30W	40W
<b>Maximum Power</b>	20W	40W	60W	80W
<b>Sensitivity</b>	89dB±3dB	91dB±3dB	92dB±3dB	93dB±3dB
<b>Impedance</b>	Black: Com Red: 1KΩ	Black: Com Red: 500Ω	Black: Com Red: 330Ω	Black: Com Red: 250Ω
<b>Frequency Response</b>	130-18KHz	130-18KHz	130-18KHz	130-18KHz
<b>Dimension</b>	135×120×320mm	135×120×420mm	135×120×520mm	135×120×620mm
<b>Speaker Unit</b>	4"×1 2.5"×1	4"×2 2.5"×1	4"×3 2.5"×1	4"×4 2.5"×1
<b>Weight</b>	2.6Kg	3.4Kg	4.4Kg	5.2Kg

**All-weather Luxury Waterproof Sound Column  
VA-801/VA-802/VA-803/VA-804**

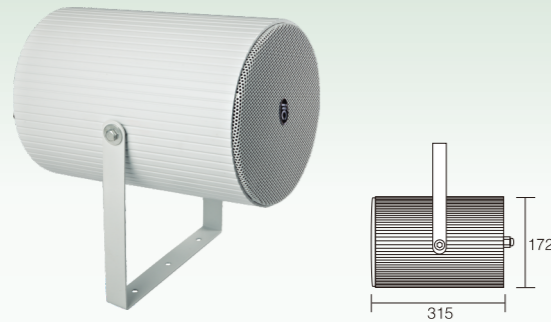


- \* The shell is made of aluminum alloy material, with adjustable support from various angles, easy to installation;
- \* Professional surface treatment process, waterproof and rust proof;
- \* Matches 2-way speaker unit for better sound quality.



Model	VA-801	VA-802	VA-803	VA-804
<b>Power @100V</b>	7.5W,15W	12.5W,25W	17.5W,35W	22.5W,45W
<b>Power @70V</b>	3.8W,7.5W	6.2W,12.5W	8.7W,17.5W	11.2W,22.5W
<b>Maximum power</b>	30W	50W	70W	90W
<b>Impedance - black</b>	COM Ω	COM Ω	COM Ω	COM Ω
<b>Impedance - green</b>	670Ω	400Ω	285Ω	220Ω
<b>Impedance - white</b>	1.3KΩ	800Ω	570Ω	440Ω
<b>Sensitivity</b>	91dB±3dB	91dB±3dB	91dB±3dB	91dB±3dB
<b>Frequency response</b>	50-18KHz	50-18KHz	50-18KHz	50-18KHz
<b>Speaker unit</b>	4"×1 2.5"×1	4"×2 2.5"×1	4"×3 2.5"×1	4"×4 2.5"×1
<b>IP Rate</b>	IPx6 Waterproof	IPx6 Waterproof	IPx6 Waterproof	IP66
<b>Dimension(mm)</b>	150X125X315	150X125X415	150X125X515	150X125X615
<b>Weight</b>	2.4Kg	3.2Kg	4.3Kg	4.7kg

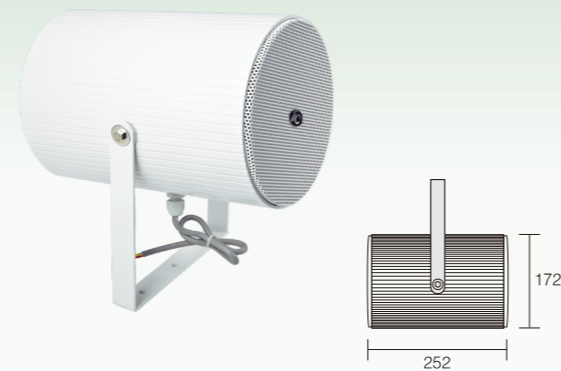
**Fireproof Outdoor Projection Speaker  
VA-570**



\* Build in straight horn, aluminum alloy structure, anti-rust and anti-corrosion, it can adjust angle arbitrarily and choose multi-power. Suitable for station such as railway station, bus station, etc.

<b>Model</b>	VA-570
<b>Power Taps @100V</b>	7.5W, 15W
<b>Power Taps @70V</b>	3.75W, 7.5W
<b>Impedance</b>	Black: COM White: 1.7KΩ Green:670Ω
<b>SPL(1W/1M)</b>	100dB
<b>Max. SPL (Rated W/1M)</b>	112dB
<b>Frequency Response (-10dB)</b>	250-14KHz
<b>Finish</b>	Grille: Aluminum, White Cover: Steel, Orange
<b>Speaker Driver</b>	6" x 1
<b>IP Level</b>	IP x 6
<b>Dimension</b>	172 x 315mm
<b>Weight</b>	2.7Kg
<b>Mounting</b>	Spring-clip

**Dual-directional Projection Loudspeaker  
VA-770T**



<b>Model</b>	VA-770T
<b>Power Taps @100V</b>	5W, 10W, 20W
<b>Power Taps @70V</b>	2.5W, 5W, 10W
<b>Impedance</b>	Blue: Com Green: 2 KΩ Yellow: 1KΩ Red: 500Ω
<b>SPL(1W/1M)</b>	92dB
<b>Max. SPL (Rated W/1M)</b>	105dB
<b>Frequency Response (-10dB)</b>	110-15KHz
<b>Finish</b>	Baffle: Aluminum, White Grille: Steel, White
<b>Speaker Driver</b>	6" x 2
<b>IP Rate</b>	IP 66
<b>Dimension</b>	172 x 252mm
<b>Weight</b>	3.3Kg
<b>Mounting</b>	With mounting bracket fixed by screw

**Horn Speaker  
VA-720K**

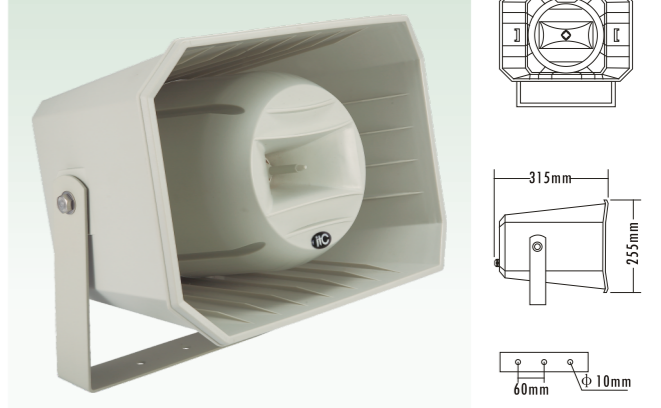


**Features**

- \* All aluminum alloy structure, stainless steel bracket.
- \* Wide frequency range waterproof speaker, strong sound penetration and wide coverage.
- \* Application: square, train station, etc.

<b>Model</b>	VA-720K
<b>Rated Power(100V)</b>	25W, 50W
<b>Rated Power(70V)</b>	12.5W, 25W
<b>Maximum Power</b>	100W
<b>Impedance</b>	Black: Com Green: 400Ω White: 200Ω
<b>Frequency Response</b>	300-14KHz
<b>Sensitivity</b>	104dB ±3dB
<b>IP Level</b>	IP66
<b>Dimension</b>	325 x 325 x 355mm
<b>Weight</b>	3.1Kg

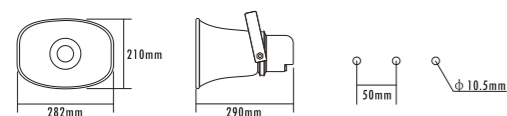
**Weatherproof Horn Speaker  
VA-710K**



\* High-grade wide frequency horn speaker, 2 frequency division design, fixed resistance and fixed voltage and multiple power choices. Suitable for railway station, bus station, large square, etc.

<b>Model</b>	VA-710K
<b>Power Taps @100V</b>	Red: 12.5W, Green: 25W, White: 50W
<b>Power Taps @70V</b>	Red: 6.25W, Green: 12.5W, White: 25W
<b>Impedance</b>	Black: Com/800Ω/400Ω/200Ω
<b>SPL(1W/1M)</b>	99dB ±3dB
<b>Frequency Response (-10dB)</b>	90-20KHz
<b>IP Rate</b>	IP x 6
<b>Dimension</b>	360 x 255 x 315mm
<b>Weight</b>	4Kg

**Weatherproof Horn Speaker  
VA-720A**

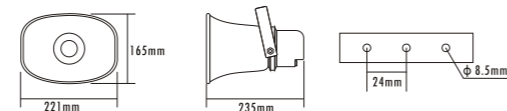


\* Wide frequency domain waterproof speaker with strong sound penetration and wide coverage.

\* Application: square, train station, etc.

<b>Model</b>	VA-720A
<b>Power Taps @100V</b>	15W, 30W
<b>Power Taps @70V</b>	7.5W, 15W
<b>Impedance</b>	Blue: Com Green: 670Ω White: 330Ω
<b>SPL(1W/1M)</b>	103dB ±3dB
<b>Frequency Response (-10dB)</b>	300-13KHz
<b>IP Rate</b>	IP x 65
<b>Dimension</b>	280 x 210 x 290mm
<b>Weight</b>	2.1Kg

**Weatherproof Horn Speaker  
VA-720B**

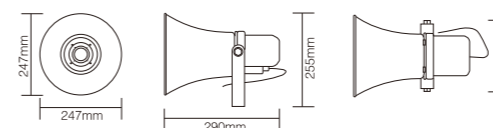


\* Wide frequency domain waterproof speaker with strong sound penetration and wide coverage.

\* Application: square, train station, etc.

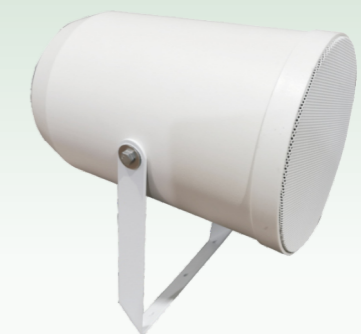
<b>Model</b>	VA-720B
<b>Power Taps @100V</b>	7.5W, 15W
<b>Power Taps @70V</b>	3.75W, 7.5W
<b>Impedance</b>	Black: Com White: 1.3KΩ Green: 670Ω
<b>SPL(1W/1M)</b>	103dB ±3dB
<b>Frequency Response (-10dB)</b>	250-8KHz
<b>Finish</b>	Baffle: ABS, White
<b>IP Rate</b>	IP x 65
<b>Dimension</b>	221 x 165 x 235mm
<b>Weight</b>	1.6Kg

**Wide Frequency Explosion-proof Horn Speaker  
VA-720X**



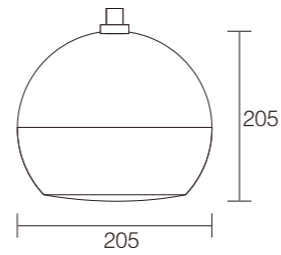
<b>Model</b>	VA-720X
<b>Power @100V</b>	15W, 30W
<b>Power @70V</b>	7.5W, 15W
<b>Impedance</b>	Black:COM, Green: 670Ω, White:330Ω
<b>Frequency Response</b>	300-13KHz
<b>SPL</b>	102dB±3dB
<b>IP Rate</b>	Ip×6
<b>Explosion proof grade</b>	Ex db IIB T6 Gb
<b>Dimension</b>	247×247×290mm
<b>Weight</b>	2.1Kg

**Projection Speaker  
VA-770E**



<b>Model</b>	VA-770E
<b>Power Taps@100V</b>	7.5W, 15W
<b>Impedance</b>	Black: COM, White:1.3K0, Green:6700Ω
<b>Maximum SPL</b>	84dB
<b>Sensitivity</b>	75dB
<b>Freq Response</b>	150-14KHz
<b>Coverage angle 500Hz</b>	360°
<b>Coverage angle 1KHz</b>	170°
<b>Coverage angle 2KHz</b>	95°
<b>Coverage angle 4KHz</b>	60°
<b>Dimensions</b>	170x170x270 mm
<b>Weight</b>	1.37Kg

Pendant Speaker  
VA-200

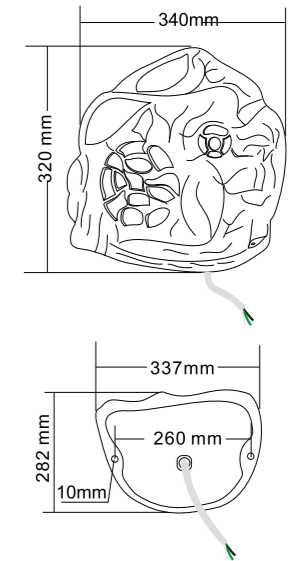


**Feature**

\* Spherical design, wide-band speaker unit, unique appearance; suitable for supermarkets, shopping malls, etc.

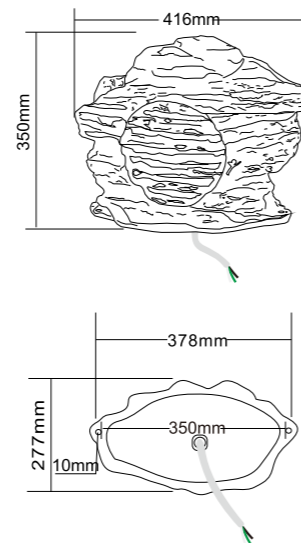
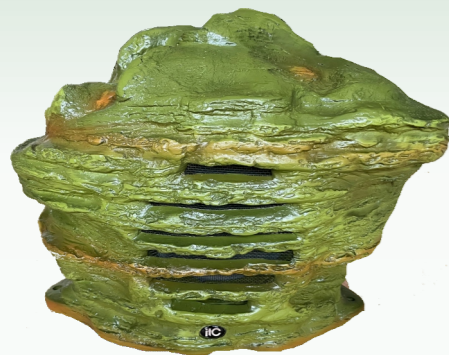
<b>Model</b>	VA-200
<b>Power @100V</b>	1.5W, 3W, 6W
<b>Power @70V</b>	0.75W, 1.5W, 3W
<b>Impedance</b>	Blue:COM, Red: 6.7KΩ/Green: 3.3KΩ/Yellow: 1.7KΩ
<b>SPL(1W/1M)</b>	91dB ±3dB
<b>Ma. SPL(Rated 1W/1M)</b>	99dB
<b>Frequency Response</b>	130-14KHz
<b>Finish</b>	Baffle: ABS, White Grille: ABS, White
<b>Speaker Driver</b>	5" x 1
<b>Dimension</b>	205 x 205mm
<b>Weight</b>	1.1Kg
<b>Mounting</b>	With mounting bracket fixed by screw

Garden Speaker  
VA-300A



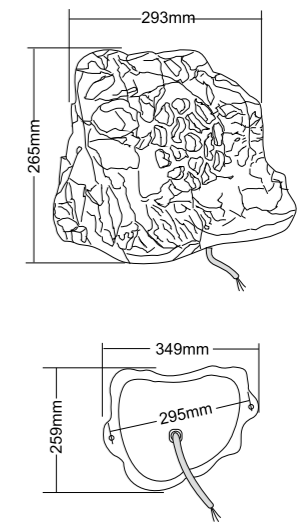
<b>Model</b>	VA-300A
<b>Rated Power(100V)</b>	25W, 50W
<b>Rated Power(70V)</b>	12.5W, 25W
<b>Frequency Response</b>	120-15KHz
<b>Sensitivity</b>	95dB
<b>Speaker Unit</b>	6.5"
<b>IP Level</b>	IP66
<b>Installation Size</b>	260mm
<b>Weight</b>	3.95kg
<b>Size</b>	340x282x320mm

Garden Speaker  
VA-300



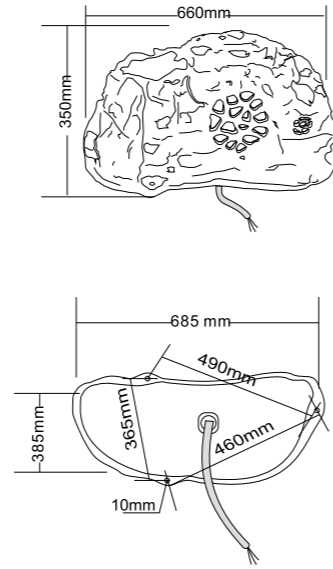
<b>Model</b>	VA-300
<b>Rated Power(100V)</b>	7.5W, 15W
<b>Rated Power(70V)</b>	3.8W, 7.5W
<b>Maximum Power</b>	30W
<b>Frequency Response</b>	120-15KHz
<b>Sensitivity</b>	95dB
<b>Speaker Unit</b>	6.5"
<b>IP Level</b>	IP66
<b>Size</b>	416x277x350mm
<b>Weight</b>	5.34kg

Garden Speaker  
VA-300B



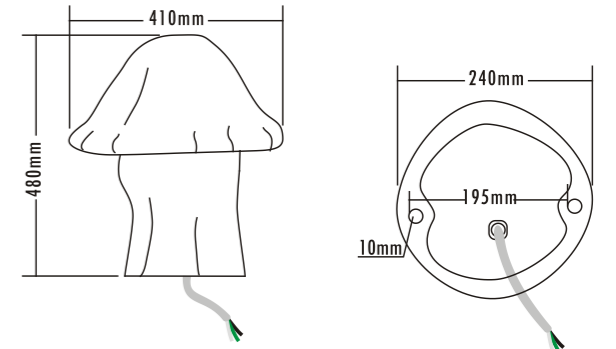
<b>Model</b>	VA-300B
<b>Rated Power(100V)</b>	15W,30W
<b>Rated Power(70V)</b>	7.5W, 15W
<b>Frequency Response</b>	120-15KHz
<b>Sensitivity</b>	95dB
<b>Speaker Unit</b>	6.5"
<b>IP Level</b>	IP66
<b>Installation Size</b>	295mm
<b>Weight</b>	4.3Kg
<b>Size</b>	293x259x265mm

Garden Speaker  
VA-300J



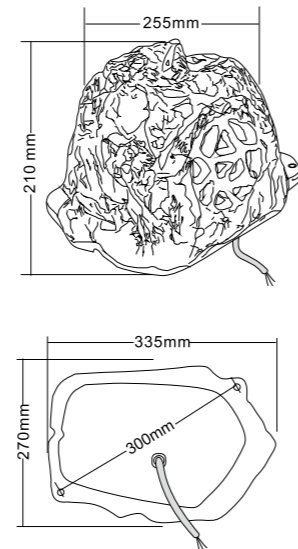
Model	VA-300J
Rated Power(100V)	30W, 60W
Rated Power(70V)	15W, 30W
Frequency Response	120-16KHz
Sensitivity	96dB
Speaker Unit	8"+2.5"
IP Level	/
Installation Size	460 x 490 x 365mm
Weight	7.9Kg
Height	350mm
Protection level	IP66

Garden Speaker  
VA-500



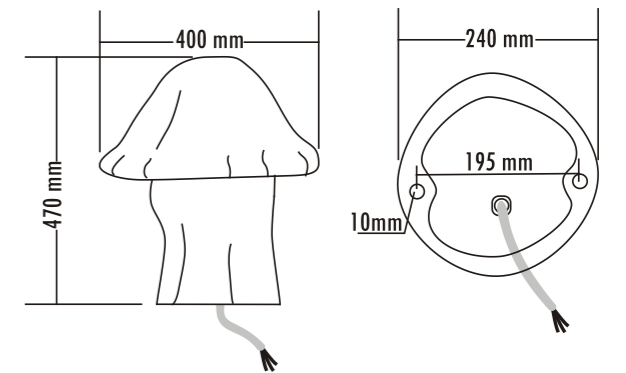
Model	VA-500
Rated Power(100V)	15W, 30W
Rated Power(70V)	7.5W, 15W
Maximum Power	30W
Frequency Response	120-15KHz
Sensitivity	95dB
Speaker Unit	6.5"
IP Level	IP66
Installation Size(mm)	195mm
Weight	5.16kg
Height(mm)	480mm

Garden Speaker  
VA-300R



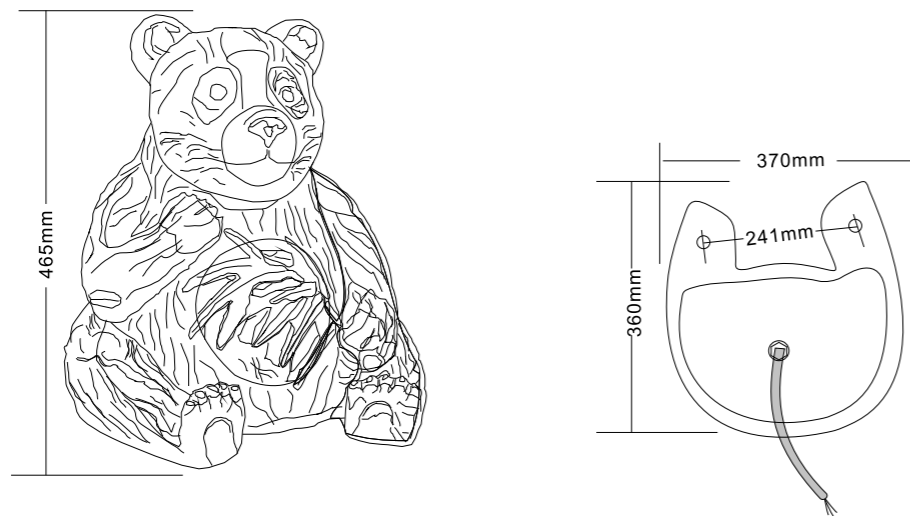
Model	VA-300R
Rated Power(100V)	15W, 30W
Rated Power(70V)	7.5W, 15W
Frequency Response	120-16KHz
Sensitivity	96dB
Speaker Unit	5.5"
IP Level	IP66
Installation Size	300mm
Weight	3.3Kg
Size	255x270x210mm

Garden Speaker  
VA-500A



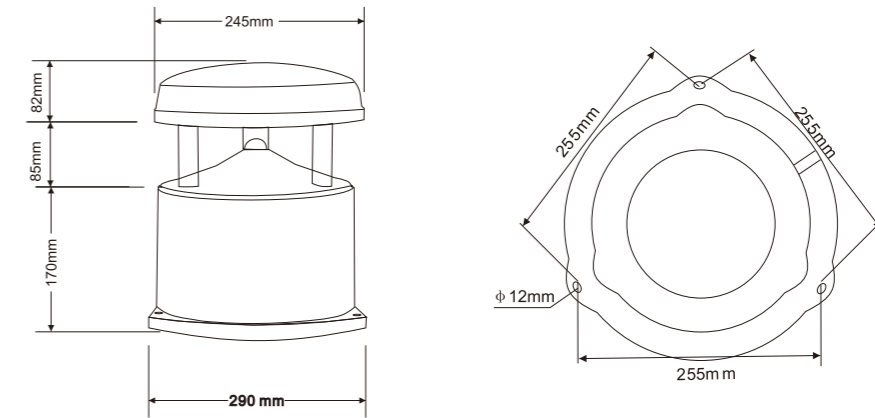
Model	VA-500A
Rated Power(100V)	15W, 30W
Rated Power(70V)	7.5W, 15W
Maximum Power	30W
Frequency Response	120-15KHz
Sensitivity	95dB
Speaker Unit	6.5"
IP Level	IP66
Installation Size(mm)	195mm
Weight	5.25kg
Height(mm)	470 mm

Garden Speaker  
VA-900



<b>Model</b>	VA-900
<b>Rated Power(100V)</b>	15W, 30W
<b>Rated Power(70V)</b>	7.5W, 15W
<b>Frequency Response</b>	120-15KHz
<b>Sensitivity</b>	95dB
<b>Speaker Unit</b>	6.5"
<b>IP Level</b>	IP66
<b>Installation Size(mm)</b>	241mm
<b>Weight</b>	7.18kg
<b>Height(mm)</b>	465 mm

Landscape Garden Speaker  
Material: polyethylene material  
VA-1910S



Note: Due to continuous product updates, please refer to the actual product for its color and installation size. This leaflet is for informational purposes only.

<b>Model</b>	VA-1910S
<b>Power (100V)</b>	15W, 30W
<b>Frequency response</b>	120-15KHz
<b>Sensitivity</b>	95dB
<b>Maximum SPL</b>	110dB
<b>Speaker unit</b>	6.5"
<b>Protection class</b>	IP66
<b>Installation size</b>	255x255x255mm
<b>Weight</b>	2.91Kg
<b>Product size</b>	290x300x337mm