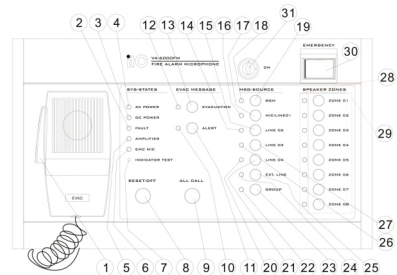




# Paging Controller VA-6000FM

## Embedded software:

## microphone call control embedded software V1.32



### Connectors:

1. Handheld PTT (push to talk) microphone.
  2. System status indicator light (Notice: not the indicator for current status of microphone).
    - (1) Light off - All devices and modules with normal power supply.
    - (2) Yellow - one or more devices or all devices and modules with abnormal power supply.
  3. DC power supply status indicator light of all the devices (If no configuration, system will ignore the working status and default status is normal.)
    - (1) Off - All devices DC power supply fault.
    - (2) Yellow - All devices or some devices DC power supply abnormal (If no configuration, please ignore).
  4. Power status indicator light of all devices:
    - (1) Off - All the devices or modules power supply normal.
    - (2) Yellow - Some or part of all devices and modules power supply fault.
  5. Working status indicator light of the amplifier:
    - (1) Off - All amplifier working normally including spare amplifier.
    - (2) Yellow - Some or all amplifiers fault. (including spare amplifier).
  6. Handheld PTT (push to talk) microphone work status indication.
    - (1) Off - PTT microphone is working properly.
    - (2) Yellow - PTT microphone failure.
    - (3) Green flashing - Current microphone paging is switched to higher priority audio.
  7. Indicator test button: After press the test button on rear panel, all indicator light color will change from green to red to yellow to normal.
  8. Fault resetting/ zones switch off button.
  9. All zones selection button.
  10. Indicator light of Alarm voice status.
    - (1) Off - Alarm voice player and memory card audio file normal.
    - (2) Green - Alarm voice is playing.
    - (3) Yellow - Alarm voice file missing or player fault.
  11. Alarm voice control button.
  12. Evacuation voice working status indicator.
    - (1) Off - Evacuation voice player and memory card audio file normal.
    - (2) Green - Evacuation voice is playing.
    - (3) Yellow - Evacuation voice or player fault.
  13. Evacuation voice control button:
  14. Line input 02 working status indicator light.
    - (1) Off - line input 02 is not working.      (2) Green - line input 02 is working.
  15. Line input 02 control button.
  16. Line input 01 working Status indicator light.
    - (1) Off - line input 01 is not working.      (2) Green - line input 01 is working.
  17. Line input 01 control button.
  18. BGM working status indicator light.
    - (1) Off - BGM player and memory card audio file normal.
    - (2) Green - BGM is playing.      (3) Yellow - BGM or player fault.
  19. BGM control button.
  20. Line input 04 status indicator light.
    - (1) Off - line input 04 is not working.      (2) Green - line input 04 is working.
  21. Line input 04 control button.
  22. Zone and group control mode indicator light.
    - (1) Off - Devices are controlled by zone control mode.
    - (2) Green - Devices are controlled by Group control mode.
  23. zone and group control mode selection button.
  24. Microphone and line input audio selection indicator.
    - (1) Off - Devices are in microphone input status.
    - (2) Green - Devices are in extend line input Status.
  25. Extended line input audio selection button, green means current output.
  26. Line input 03 Status indicator light.
    - (1) Off - line input 03 is not working.      (2) Green - line input 03 is working.
  27. Line input 03 control button.
  28. Zone working status indicator.
    - (1) Off - indicates that the current zone is in the normal state of no broadcast or no configuration.
    - (2) Green - indicates that the current zone is broadcasting, the output is normal audio.
    - (3) Red - that the current zone is broadcasting, the output is EVAC voice or remote paging broadcast such as RM / FM / PSTN.
    - (4) Yellow - indicates that the current zone has fault.
  29. Zone selection button.
  30. System working mode switch
    - (1) Red Fast flashing - the system is currently working in the reset mode, and all manual operation are prohibited.
    - (2) Red Slow flashing - The system is currently in emergency mode (you can press the button to enter or auto trigger automatically, in this mode EVAC voice are allowed to play, normal mode prohibit to play EVAC voice information).
    - (3) Off - the system is currently working in normal mode.
- Note: 1) When the light is in the flashing state, press to exit the emergency mode.  
 2) When the light is off, press to enter the emergency mode.  
 31. Electronic lock switch.

### Description:

VA-6000FM is used for paging control in the VA-6000 system, to allow users remote control the system's voice message and make paging call. It supports eight zones/groups selection. It can add zone/group by adding extension unit VA-6000EM which also can support eight zones. Seven extension units can be added at most in a system to expand to 64 zones.

### Features:

- \* One-key zone/group selection, easy to understand and operate.
- \* Parallel transmission can realize long distance transmission through CAT-5 cable.
- \* Easy to see the system fault and system module status display.
- \* Support zone/ group selection extension.
- \* Support line audio input and the volume is adjustable.
- \* Support redundancy wiring.
- \* Support 24V phantom power supply.

### Basic Functions:

- \* MIC output level is adjustable.
- \* Priority of paging can be set through VA-6000ST software.
- \* Built-in HI-FI monitor speaker, support monitor output.
- \* One-key to fast enter into emergency broadcast status.
- \* With external headset jack, to monitor or recording the paging voice.

### Specifications:

<b>Model</b>	VA-6000FM
<b>DC Supply</b>	
<b>Power Supply</b>	24V DC, ±20%
<b>Maximum Current</b>	0.1 A (including extension unit)
<b>Power Consumption</b>	2.4W (including extension unit)
<b>Performance Index</b>	
<b>Parallel Signal Output</b>	
<b>THD</b>	<1% (rated output power), 1KHz
<b>Frequency Response</b>	80Hz~16KHz
<b>Sensitivity</b>	500mV
<b>Impedance</b>	10KΩ
<b>S/N Ratio</b>	>70dB
<b>Line In</b>	
<b>THD</b>	<1% (rated output power), 1KHz
<b>Frequency Response</b>	80Hz~16KHz
<b>Sensitivity</b>	350mV
<b>Impedance</b>	10KΩ
<b>S/N Ratio</b>	>70dB
<b>Microphone</b>	
<b>Sensitivity</b>	5mV
<b>Impedance</b>	600Ω
<b>Mechanical Index</b>	
<b>Size ( L x W x D )</b>	256 x 52 x 149mm
<b>Weight</b>	1.5Kg
<b>Mounting</b>	Desktop or 19 inch cabinet
<b>Color</b>	Black
<b>Environment</b>	
<b>Operation Temperature</b>	+5°C ~ +40°C
<b>Storage Temperature</b>	-20°C ~ +70°C
<b>Relative Temperature</b>	<95% (no condensation)