



# VAS-3606EX

Voice Alarm System  
Host Amplifier Expander



## Features

- VAS-3606 Expander
- 6 x zones power amplifier and controls

VAS-3606EX is a 6 partition expander for the Voice Alarm System (VAS). It features the same functions as the VAS-3606 System Host Amplifier without the main command keys Emergency/Evacuation and Emergency microphone.

### Main Functions:

- 64 x 64 Matrix with 60 inputs and 60 outputs (4 x 4 reserved for internet communication)
- 32 paging microphone
- Automatic switch of primary and standby amplifiers
- Speaker lines default detection
- Volume control for each zone
- Alarm manager with WI-FI/RS-485/GPIO ports for smoke, ambient and security detectors in each zone
- Automatic faults and alarms recording
- DC 24V standby power inlet
- Power control sequence with custom sequence and programmable On/Off
- MP3 player for BGM with programmable timing
- Automatic telephone broadcast or telephone dial in case of emergency
- Intercom talk function
- Remote control and system maintenance by cellular phone/pad/PC
- Local control and system maintenance by APP and PC
- Meet EN54-16 demand
- Can run in i2DSP platform for security reinforcement

In addition to VAS-3606, the Voice Alarm System also includes the following devices:

- |               |                            |                |                               |
|---------------|----------------------------|----------------|-------------------------------|
| • VAS-3606 :  | Host Amplifier             | • VAS-100EOL : | Speaker Line Detection Module |
| • VAS-3600SA: | Standby Amplifier          | • VAS-100DS:   | Backup Power Supply           |
| • VAS-64RFM:  | Fireman Microphone Station | • VAS-100NET:  | Network Manager               |
| • VAS-64RPM:  | Paging Microphone Station  | • VAS-100BGM:  | FM/MP3 Player with Timer      |
| • VAS-64EX:   | Expander Station           | • VAS-100RVC:  | Remote Zone Volume Control    |

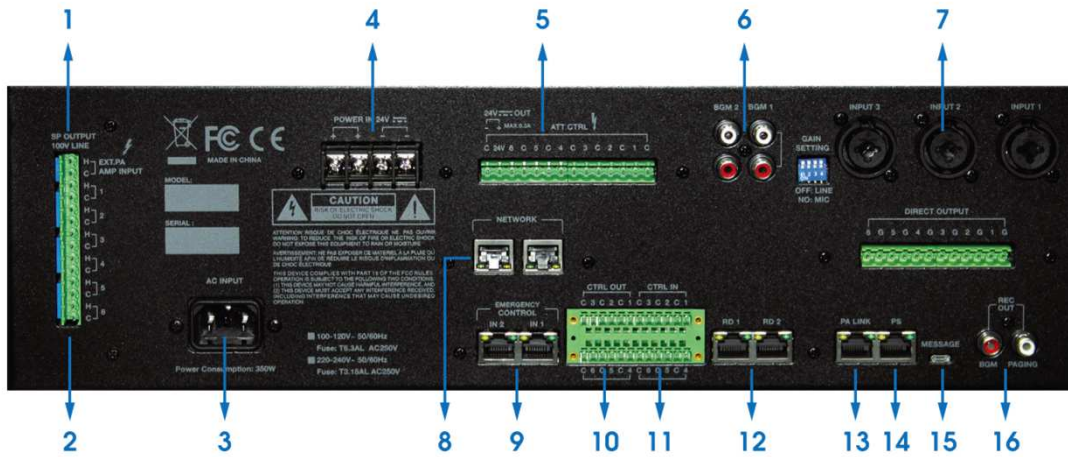
Additional services can be available when the system is registered at SEIKAKU IoT Platform like.

- E-mail information or telephone call to user in case of emergency events, detected system faults, firmware or functions updates.
- Parameter setting or system configuration remotely.
- History list of events or recordings.

# Functions



1. BGM / Broadcast partition selection keys
2. Partition volume control
3. CPU FAULT indicator. When the CPU abnormally works, the LED lights up. GENERAL FAULT indicator, If the system has any fault information, such as equipment failure, communication failure, speaker line failure, etc., this LED flashes.
4. Power Indicator. The LED is illuminated when :
  - There is an AC power connection
  - The standby DC power supply is connected
  - The device is handled by the system



1. Standby amplifier inputs.
2. 6 partition output
3. AC power input.
4. DC power input.
5. Programmable DC 24V output. When external volume controller controls signal, such as in EMERGENCY, the forced signal is at the maximum level.
6. BGM Audio Input.
7. MIC1~3 input.
8. Network interface for control and audio signal transmission.
9. When the external volume controller controls the signal, such as in EMERGENCY, the forced signal is at the maximum level.
10. EMC status output: external device status input, such as DC backup power supply.
11. Control input: the following functions can be implemented by software:
  - Trigger EVACUATION information
  - Send out ALERT information
  - EMERGENCY RESET
  - Partition mute
  - AMP. Cut off
  - Etc.
12. Connect remote control devices such as Paging MIC / Fireman MIC / Volume Control Panel.
13. Used for LINK Standby amplifier.
14. Connected to the backup power supply.
15. Message.
16. REC output: Paging signal or BGM signal for third party recording equipment.

# Specifications

MODEL	VAS-3606EX
Power Supply	AC 115V / 230 50Hz / 60Hz : DC 24V
Power Output (1kHz / 70V / 100V)	360W
Inputs	INPUT 1~3, BGM1~2, NETWORK, EMERGENCY, CONTROL CTRL IN
Outputs	SP OUTPUT 100V LINE, REC OUT
Frequency Response	MIC: 80Hz~17 kHz (-3dB) / AUX: 80Hz~17 kHz (-3dB)
Input Sensitivity (1kHz)	MIC (balanced) : -50dBV +/- 2 dBV, LINE (balanced) : -10dBV +/- 2 dBV, AUX (unbalanced) : -10dBV +/- 2 dBV
THD+N (Input @ 1 kHz, Output @ 1W)	< 1%
S/N Ratio	MIC: >60dB, AUX: > 70dB
CMRR (balanced / 1kHz)	>60dB
Crosstalk (1kHz)	>60dB
Outputs	100V
Dimensions	482 x 393 x 133 mm
Weight (Approx.)	15~16 kg

Specifications subject to modification without notice