

# VA-24S-4CH

## VoiceArrest Wall-Mounted Controller

- Up to 4 output channels
- Up to 6 speakers per channel
- Independent equalizer for each channel
  - 340 narrow bands automatic equalizer
  - 19 1/3 octave bands automatic or manual equalizer
- High-powered amplifier providing 88 dBA at 1m
- Up to 2 inputs for active volume control sensors
- 4 music and paging inputs with independent 1/3 octave equalizers for each output channel
- 2 inputs for wall mounted volume control knobs

Specifications	
Can Be a Project Master	No
<b>Outputs</b>	
Nb Outputs	4
Max Nb Speakers/Outputs	6
Max Nb Speakers/Controller	24
<b>Sound Masking</b>	
Sound Masking Volume	30 to 88 dBA in 0.1 dB steps and mute
Sound Masking Equalizer	Auto-calibration process in 340 narrow bands of 19 1/3 octave bands from 100Hz to 6.3kHz
Sound Masking Ref Spectrum	13 pre-set sound masking reference spectrums, unlimited user defined spectrums
Sound Masking Volume Ramp-Up	User defined, up to 30 days
<b>Active Volume Control</b>	
Nb Sensor Inputs	4
Max Nb Sensors/Input	6
Control	Independent sound masking volume adjustment for each output channel
Masking Volume Change Rate	Adjustable down to 0.1 dB steps, updates every 15s
Active Adjustment Range	User defined; maximum range: -7 to +3 dB relative to reference masking level
<b>Music and Paging</b>	
Nb. Inputs	4
Mixer	Independent for each output channel
Volume	30 to 92 dBA in 0.1 dB steps and mute
Equalizer	20 1/3 octave bands (125Hz to 6.3kHz)



<b>Volume Control Knobs</b>	
Nb. Inputs	2
Mixer	Independent for each output channel (Sound Masking and/or Paging and Music)
Volume Range	User defined
<b>Volume Schedule</b>	
Schedule	24 hour periods per day, 7 days
Volume	0.1dB steps
Transition Ramp	Instant, 2min30sec, 5min, 10min, or 15min
Schedule Mixer	Independent for each output channel (Sound Masking and/or Paging and Music)
Daylight Saving Time	Automatic Adjustment depending on local time zone settings
<b>Monitoring</b>	
Diagnosis	Automatic
Reporting	System diagnosis report sent by email and/or stored locally
Requirement	Computer running Project Manager Software
<b>LEED</b>	
Feature	Controller can be put in low power mode according to a daily schedule
Schedule	7 daily periods per week (user defined)
<b>Connectivity</b>	
USB	USB 2.0, Mini B connector
Wi-Fi	802.11b/g/n, WEP 40/64-bits or WPA/WPA2 personal, 450 kbps
Ethernet	DHCP or Static IP, 350 kbps
<b>Power</b>	
Input	24 VDC
Rating	25 W
Available Power Supply	50W, 120W and 160W (Higher power needed when powering multiple controllers)
<b>Physical</b>	
Dimensions	191mm x 135mm x 28mm (7.5" x 5.3" x 1.1")
Weight	300g (0.7lb)
<b>Certifications</b>	
Compliance	ETL Listed 3191772
Safety	UL 60065 / ULC 60065
Fire Test	UL 2043
Electromagnetic	FCC – EN 55103-1&2

1: A shared input can be an active volume control sensor input OR a paging/music input.

2: Wi-Fi module can be disabled if it's not required