



Public Address - Voice Alarm

Audio Distribution over IP

Commercial Audio

Loudspeakers



THE MOST SECURE, FLEXIBLE, FEATURE RICH,
COMPACT AND SELF-AMPLIFIED PA/VA SYSTEM

BOUTIQUE™

DELIVERING YOUR MESSAGE



The BOUTIQUE system is a highly flexible and self-amplified PA/VA system targeting small to large installations. The system expands from a single controller, capable of as little as 4 zones, to a large networked system of 16,384 zones, making the BOUTIQUE suitable for a wide variety of applications. The small-scale BTQ-VM4 controller offers 4 monitored zones while the BTQ-VM8 controller provides 8 zones with further expandability via the BTQ-SG8 or BTQ-SL8 secondary units. The BOUTIQUE controller comes fully integrated with an internal 250W or 500W high efficiency Class-D amplifier, and is also available in rackmount type and wall-mount type.

The BOUTIQUE offers full monitoring of speaker lines, microphones, and amplifiers. Utilizing switching technology, a BOUTIQUE system is able to share amplifiers for multiple zones. By adding a secondary external power amplifier, it can increase power wattage as well as backup amplifier. Each BTQ-VM4/VM8/SG8 features two remote ports for paging microphone, ambient noise sensing microphone etc., whilst the BTQ-SL8 has one remote port. Up to 8 paging consoles can be connected to BTQ-SL8, and 16 on BTQ-VM4/VM8/SG8; the wiring can be daisy-chain or in redundant loop.

FEATURES

- Easy setup and replacement from LCD panel of BTQ-VM4/8
- Web browser for advanced configuration, diagnostics & logging
- Event scheduler including bell management for schools
- Support as little as 4 zones to a large 16,384 zones using global network of BTQ-VM8/SG8
- 250W or 500W high efficiency Class-D amplifier built-in
- Internal message storage for up to 90 minutes
- USB interface for the playback of audio & pre-recorded message files
- IP based music streaming and paging over LAN/WAN
- Easy integration with TERRACOM, TerraManager, IP phone via SIP protocol
- Internet radio receiver built-in
- Low cost 2 channel switching amplifier architecture
- Volume attenuators can be installed on monitored speaker lines without loopback cable
- Integrated ambient noise sensing for auto audio level
- Extremely low power consumption during standby mode
- Handle up to 1000W speaker load per zone, 2000W max. per unit
- Third party control via RS232 or Ethernet
- 2.2" LCD colour display for system status and configuration setting
- Optional Sound Masking module - reduce the intelligibility of human speech for protecting private speech privacy

BOUTIQUE PA/VA Systems are certified to the following international standards



EN 54-4 for Power Supply Equipment
EN 54-16 for Voice Alarm Systems
UL2572 for Mass Notification Systems



APPLICATIONS



Airports



Hotels



Large Office Buildings



Medical Centres



Schools/University Campus



Shopping Centres



Stadiums

SYSTEM SOLUTIONS

COST-EFFECTIVE, EASE OF INSTALLATION & CONFIGURATION

For most PA/VA installation, we understand how much work it takes to complete all the installations, here we represent the system "setup wizard" function, the system can be easily setup and replacement from the LCD panel of controller. This can help you save your time, labor cost and material cost with the benefit of learning without teaching.

LARGE SCALE NETWORK PA/VA SOLUTIONS

BOUTIQUE is suitable for any installation size, whether is a small local system or a big complex multi-zone and multi-input system. It can expand as little as 4 zones all the way up to nation-wide networks with up to 16,384 A/B zones over STP CAT5/6 cable (up to 100m between units) or via fibre multi-mode (2 km), fibre single mode (20 km) or even longer distance or any combination thereof. If fibre or copper not be an option, units can also be networked via IP. This simple yet powerful design that gives BOUTIQUE a unrivaled scaling capability.

CONTROL, MANAGEMENT & MONITORING VIA WEB BROWSER

The system is programmed and controlled via web browser and the LCD panel of controller. For advanced adjustments such as volume, DSP elements, event and bell scheduler, priority management, monitor, diagnostics, logging, etc. can be configured via web browser.

BGM, AUDIO STREAMING & VOICE EVACUATION

Background music and voice announcement can be distributed to different group of zones by using the built-in amp and external amp. The source of BGM includes line input, network streaming, internal message storage (90 minutes) or via USB flash drive.

OPEN INTEGRATED STRUCTURE

The VoIP interface with standard SIP protocol allows easy integration with IP-PBX and IP phone; or for full integration with TERRACOM for network paging, intercom, control, system monitoring, and audio streaming in intranet as well as internet applications. Moreover, BOUTIQUE also allows integration with third party control via RS232 and Ethernet.

NETWORK REDUNDANCY

Based on ATEIS redundant network technology, BOUTIQUE takes reliability to the next level with a network redundancy architecture that offers the best network protection of system failure. If one of network cables occurs unexpected disconnection, the redundant network will recover the communication to make system continually functional. In addition, the paging consoles can be wired in daisy chain or as a redundant loop to ensure a secured application.





CONTROLLERS & SECONDARY UNITS

BTQ-VM4W

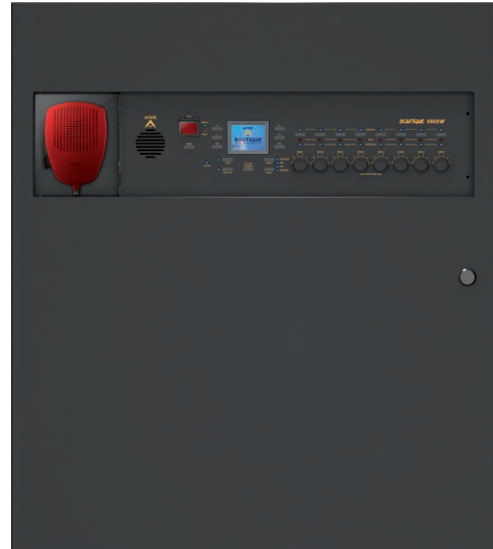
WallMount PAVA Controller,4 Zone



250W/500W Class-D amp & battery charger built-in

BTQ-VM8W

WallMount PAVA Controller,8 Zone



250W/500W Class-D amp & battery charger built-in

BTQ-VM4

PAVA Controller,4 Zone



250W/500W Class-D amp built-in

BTQ-VM8

PAVA Controller,8 Zone



250W/500W Class-D amp built-in

BTQ-SG8

PAVA Secondary Global Unit,8 Zone

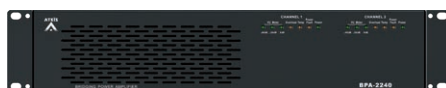


BTQ-SL8

PAVA Secondary Local Unit,8 Zone



AMPLIFIERS & BATTERY CHARGERS



BPA-1240

Bridging Power Amplifier ClassAB 240W x 1CH

BPA-1480

Bridging Power Amplifier ClassAB 480W x 1CH

BPA-2060

Bridging Power Amplifier ClassAB 60W x 2CH

BPA-2120

Bridging Power Amplifier ClassAB 120W x 2CH

BPA-2240

Bridging Power Amplifier ClassAB 240W x 2CH

BPA-2480

Bridging Power Amplifier ClassAB 480W x 2CH

BPA-1000

Bridging Power Amplifier ClassAB 1000W x 1CH



DPA8060

60W x 8 Digital Power Amplifier

DPA4125

125W x 4 Digital Power Amplifier

DPA4250

250W x 4 Digital Power Amplifier

DPA2500

500W x 2 Digital Power Amplifier



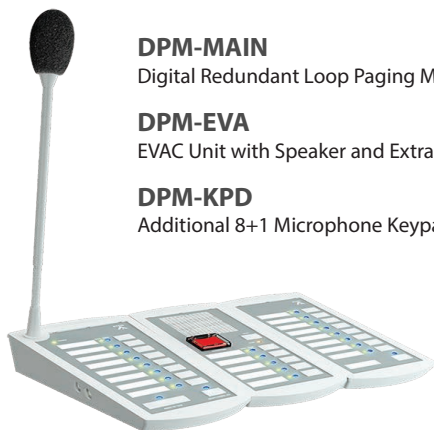
BCU-4830A

Advanced Monitored Battery Charger
3amp/30amp

BCU-4875A

Advanced Monitored Battery Charger
6amp/75amp

DIGITAL PAGING CONSOLES



DPM-MAIN

Digital Redundant Loop Paging Microphone-Main

DPM-EVA

EVAC Unit with Speaker and Extra Buttons

DPM-KPD

Additional 8+1 Microphone Keypad



DPM-T5

5" TouchPanel Paging Mic Console



DPM-T5F

5" TouchPanel Paging Mic Console w/EVAC Button

CD-8DF

WallMount Paging Mic Console,
8 key, EVAC Button



CD-16DF

WallMount Paging Mic Console,
16 key, EVAC Button



CD-T5DF

WallMount 5" TouchPanel
Paging Mic Console, EVAC



ACCESSORIES

VAT-35E/120E/200E VAT-35U/120U/200U

Volume Attenuator



EU Type

US Type

DNM2-ETH

Digital Ambient Noise
Sensing Mic



Pendant Type

DGL-MIC

Flush/Ceiling Mount
Microphone



Flush Mount Type

DLR01

Digital Loop Repeater



With 24VDC Power Injector

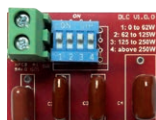
VA-EOL

End of SP-line Module for
Multi-branch/3-wire



VA-DLC-100/VA-DLC-70

Dummy Load Capacitor Module



100V/70V

BLK-60/BLK-200

20 kHz Signal Blocker



60W/200W

SL-SENSOR2/SL-SENSOR4

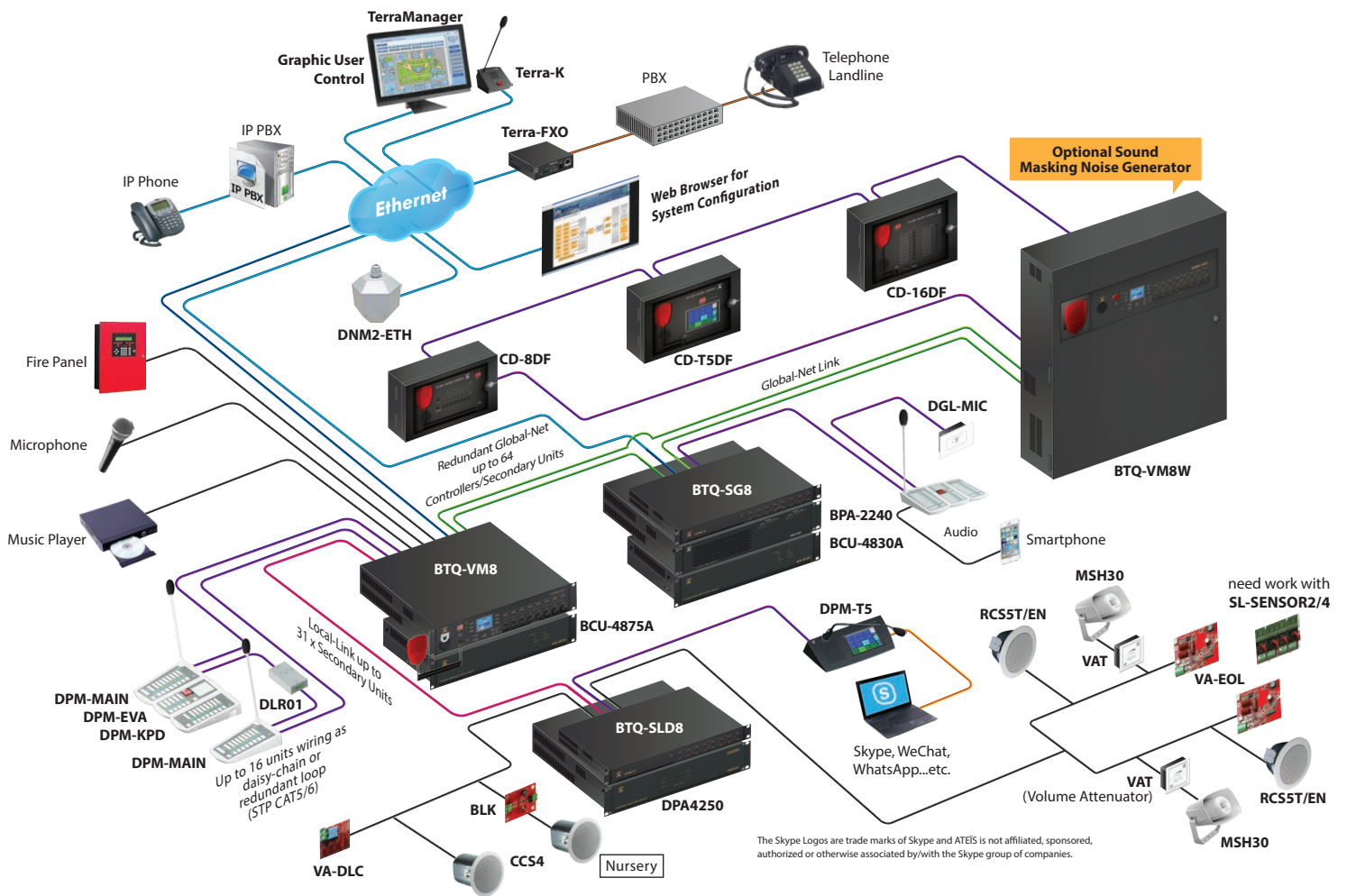
3 Wire Speaker Line Short Sensor



2CH/4CH



SYSTEM DIAGRAM





Ordering Information

Model No.	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Description of Model
BTQ-VM	EOL Driver	Number of Zone	250W/500W	Wall Mount/ Rack Mount	Global Net Card	Region	PAVA Controller
BTQ-SG		8	N/A	N/A		N/A	PAVA Secondary Global Unit
BTQ-SL					PAVA Secondary Local Unit		

EOL Driver

BTQ-VM	BTQ-SG	BTQ-SL		
✓	✓	✓	None	
✓	✓	✓	D	EOL Driver

Number of Zone

BTQ-VM	BTQ-SG	BTQ-SL		
✓	—	—	4	4 Zone
✓	✓	✓	8	8 Zone

250W/500W

BTQ-VM	BTQ-SG	BTQ-SL		
✓	—	—	25	250W
✓	—	—	50	500W

Wall Mount or Rack Mount

BTQ-VM	BTQ-SG	BTQ-SL		
✓	—	—	None	Rack Mount Type
✓	—	—	W1	Wall Mount Type(Amp x 1)
✓	—	—	W2	Wall Mount Type(Amp x 2)

Global-Net Card

BTQ-VM	BTQ-SG	BTQ-SL		
✓	✓	—	None	
✓	✓	—	RR	RJ45(A)-(B)
✓	✓	—	MR	Fiber Multi Mode(A)-RJ45(B)
✓	✓	—	SR	Fiber Single Mode(A)-RJ45(B)
✓	✓	—	RM	RJ45(A)-Fiber Multi Mode(B)
✓	✓	—	RS	RJ45(A)-Fiber Single Mode(B)
✓	✓	—	MM	Fiber Multi Mode(A)-(B)
✓	✓	—	SS	Fiber Single Mode(A)-(B)

Region

BTQ-VM	BTQ-SG	BTQ-SL		
✓	—	—		220~240 VAC Power, Amp Out 100V/50V/8ohm
✓	—	—	U	100~120 VAC Power, Amp Out 70V/35V/8ohm
✓	—	—	T	100~120 VAC Power, Amp Out 100V/50V/8ohm

Model Examples

- BTQ-VM850: PAVA Controller,8Zone,Amp500W
- BTQ-VMD425: PAVA Controller,4Zone,Amp250W,EOL Driver
- BTQ-VMD425SR: PAVA Controller,4Zone,Amp250W,EOL Drv,Net-FS/RJ
- BTQ-VM425W2: WallMount PAVA Controller,4Zone, Amp250Wx2
- BTQ-VMD425W2: WallMount PAVA Controller,4Zone, Amp250Wx2,EOL Drv
- BTQ-VMD425W2RS: WallMount PAVA Controller,4Zone, Amp250Wx2,N-RJ/FS
- BTQ-SGD8: PAVA Secondary Global Unit,8Zone,EOL Driver
- BTQ-SLD8: PAVA Secondary Local Unit,8Zone,EOL Driver

Network Card

Model No.	Description
NET2-RR	Netcard,RJ45(A)-(B),excl Ass'y Pillar
NET2-MR	Netcard,Fiber Multi(A)-RJ45(B),excl Ass'y Pillar
NET2-SR	Netcard,Fiber Single(A)-RJ45(B),excl Ass'y Pillar
NET2-RM	Netcard,RJ45(A)-Fiber Multi(B),excl Ass'y Pillar
NET2-RS	Netcard,RJ45(A)-Fiber Single(B),excl Ass'y Pillar
NET2-MM	Netcard,Fiber Multi(A)-(B),excl Ass'y Pillar
NET2-SS	Netcard,Fiber Single(A)-(B),excl Ass'y Pillar



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