



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 16 paging consoles can be connected to BTQ-SL8, and 32 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



## 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

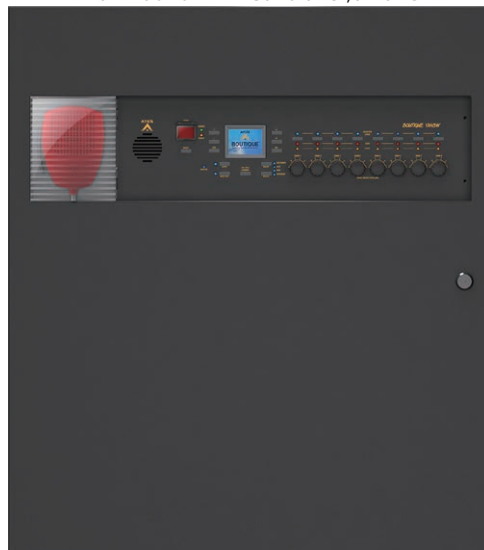
WallMount PAVA Controller,4 Zone



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

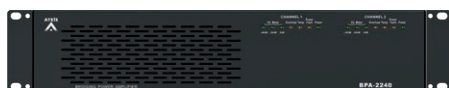


#### BTQ-SL8

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



### DLPJ

Digital Loop  
Power Injector



\* Please note the power adapter is not shipped with DLR01/DLPJ.

### 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

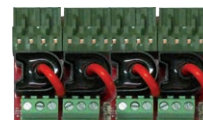
20 kHz Signal Blocker



60W/200W

### SL-SENSOR2/SL-SENSOR4

3 Wire Speaker Line Short Sensor



2CH/4CH

[illegible]



## 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

✓	—	—	4	4 Zone
✓	✓	✓	8	8 Zone

## 250W / 500W

✓	—	—	25	250W
✓	—	—	50	500W

## Wall Mount or Rack Mount

✓	—	—	None	Rack Mount Type
✓	—	—	W1	Wall Mount Type(Amp x 1)
✓	—	—	W2	Wall Mount Type(Amp x 2)

## Global Net Card

✓	✓	—		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

✓	—	—		220~240 Vac,+48VDC Power,Amp Out 100V
✓	—	—	D	-48VDC Power Only, Amp Out 100V (for BTQ-VM 250W AMP only, N/A for BTQ-VMW1/VMW2)
✓	—	—	U	100~120 Vac,+48VDC Power,Amp Out 70V
✓	—	—	T	100~120 Vac,+48VDC Power,Amp Out 100V

## Network Card

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

## Copper Pillar

CP-PILLAR 15	Copper pillar 15 mm x 50
CP-PILLAR 35	Copper pillar 35 mm x 50

## Note

When purchasing the network card, please note the copper pillar is not shipped with the network card, please order copper pillar if necessary.

\* To assemble the netcard to BTQ-VM, the copper pillar 35 mm x 2pcs are needed.

\* To assemble the netcard to BTQ-SG8, the copper pillar 15 mm x 2pcs are needed.



**ATEİS Europe B.V.**  
**Europe & Africa**  
Celsiusstraat 1 - 2652 XN Lansingerland  
(Rotterdam Region), Netherlands  
Tel: +31 (0)10 2088690  
info@ateis-europe.com



**ATEİS France**  
8, rue de l'Europe - ZA de Font Ratel,  
38640 Claix, France  
Tel: +33 (0)4 76992630  
contact@ateis.com



**Penton UK Ltd.**  
**UK & Ireland**  
Unit 2, Teville Industrials, Dominion Way, Worthing  
West Sussex, BN14 8NW, United Kingdom  
Tel: +44 (0)1903 215315  
Fax: +44 (0)1903 215415  
sales@pentonuk.co.uk



**ATEİS Far East Corp.**  
**Far-East Asia**  
2F No.60, Xinghua 2nd Rd. Tanzi,  
Taichung, Taiwan  
Tel: +886 4 25333840  
Fax: +886 4 25333830  
sales@ateis-fareast.com



**ATEİS Middle East FZCO.**  
**Middle East & India**  
LIU No. 11, Dubai Silicon Oasis,  
293640 Dubai, United Arab Emirates  
Tel: +971 (4) 3262730  
Fax: +971 (4) 3262731  
info@ateis.ae



**ATEİS SE Europe**  
**Serbia**  
Sime Lukina Lazića 12-B, 11040 Belgrade  
Serbia  
Tel: +381 (0)11 40 89 617  
info@ateisseurope.com



**Penton Audio USA**  
**USA, Canada & Latin America**  
21 Sabin Street Pawtucket, RI 02860, USA  
Tel: +1 401-727-1600  
Fax: +1 401-727-0003  
info@penton-usa.com



**ATEİS China**  
Room 6-2, Yunheng Building, No.1, Lane 1066,  
Sanwu Road, Luotuo Street, Zhenhai District,  
Ningbo, China  
Tel: 0574-86559991  
sales.china@ateis.com.tw



**Xavtel Communications RUS Ltd.**  
Russian Federation, 115280, Moscow  
Leninskaya Sloboda str., 26 bld. 28,  
Business Center "Slobodskoy", oce#122  
Tel/Fax: +7 495 803 3655  
info@xavtel.ru.com



**ATEİS Suisse SA**  
Avenue des Baumettes 9, 1020 Renens VD,  
Switzerland  
Tel: +41 (0)218812510  
info@ateis.ch



**ATEİS SE PTE. LTD.**  
**South-East Asia**  
Blk 5002 Ang Mo Kio Ave 5, #03-01B TECHplace  
II, Singapore 569871  
Phone: +65 6481 1968  
Fax: +65 6481 1960  
info@ateis-se.com.sg

