



BOUTIQUE

COMPACT AND SELF-AMPLIFIED
PA/VA SYSTEM

EN54
Certified



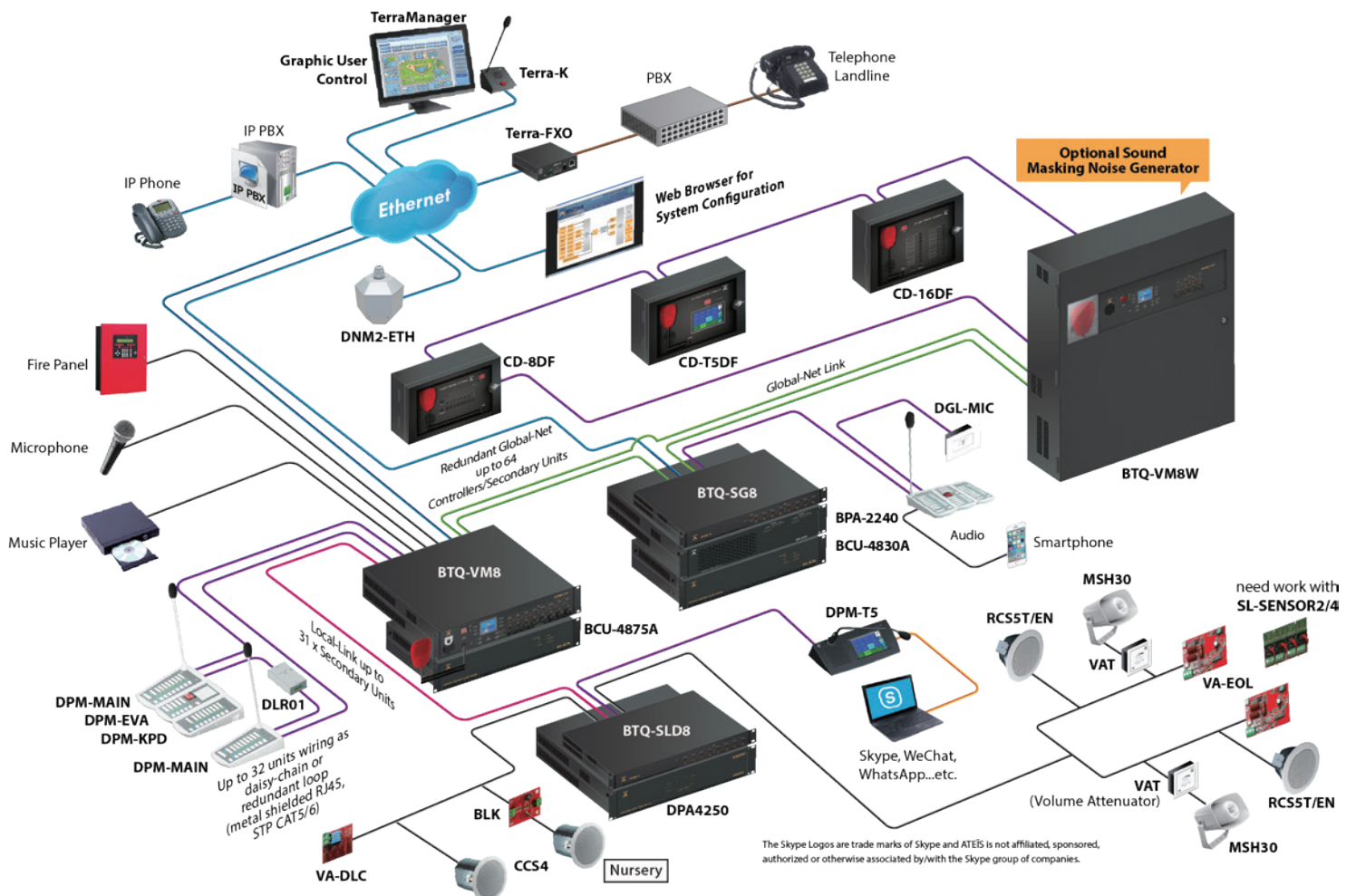
BOUTIQUE

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

**EN 54-16
Certified**

**250W or 500W High efficiency
Class-D Amplifier built-in**

**From 4 to
16 384 zones**





BOUTIQUE

AN INNOVATIVE SOLUTION

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 250 W or 500 W 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
- 250 W or 500 W 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

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 100 m 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.



SYSTEM COMPONENTS

BTQ-VM4

PAVA Controller, 4 Zones

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

BTQ-VM8

PAVA Controller, 8 Zones

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

BTQ-SG8

PAVA Secondary Global Unit, 8 Zones

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BTQ-SL8

PAVA Secondary Local Unit, 8 Zones

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BTQ-VM4W

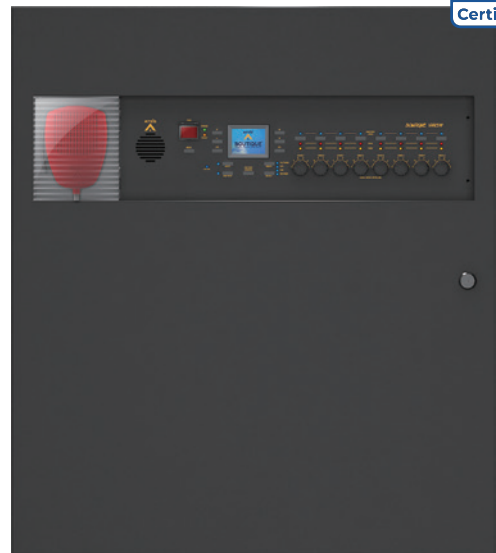
WallMount PAVA Controller, 4 Zones

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

BTQ-VM8W

WallMount PAVA Controller, 8 Zones

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Certified


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

AMPLIFIERS & BATTERY CHARGERS

DPA

Digital Power Amplifier


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- DPA8060: 60 W x 8 CH
- DPA4125: 125 W x 4 CH
- DPA4250: 250 W x 4 CH
- DPA2125: 125 W x 2 CH
- DPA2550: 250 W x 2CH
- DPA2500: 500 W x 2 CH

BCU

Advanced Monitored Battery Charger


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- BCU-4830A: 3 amp/30 amp
- BCU-4875A: 6 amp/75 amp

DIGITAL PAGING CONSOLES



ACCESSORIES

VAT-35E/120E/200E
Volume Attenuator

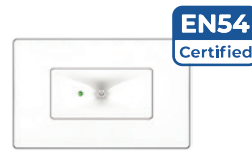


DNM2-ETH
Digital Ambient Noise
Sensing Mic



Pendant Type

DGL-MIC
Flush/Ceiling Mount
Microphone



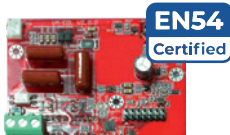
Flush Mount Type

DLR-01
Digital Loop
Repeater

DLPJ
Digital Loop
Power Injector



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



VA-DLC-1000
Dummy Load
Capacitor Module



BLKR-60/ BLKR-200
20 kHz
Signal Blocker



60 W/200 W

SL-SENSOR2/SL-SENSOR4
3 Wire Speaker Line
Short Sensor



2CH/4CH

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	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 Zones
✓	✓	✓	8	8 Zones
250W/500W				
✓	—	—	25	250 W
✓	—	—	50	500 W
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, +48 VDC Power, Amp Out 100 V
✓	—	—	D	-48 VDC Power Only, Amp Out 100 V (for BTQ-VM 250 W AMP only, N/A for BTQ-VMW1/VMW2)
✓	—	—	U	100~120 Vac, +48 VDC Power, Amp Out 70 V
✓	—	—	T	100~120 Vac, +48 VDC Power, Amp Out 100 V

NETWORK CARD	
NET2-RR	Netcard, RJ45(A)-(B)
NET2-MR	Netcard, Fiber Multi(A)-RJ45(B)
NET2-SR	Netcard, Fiber Single(A)-RJ45(B)
NET2-RM	Netcard, RJ45(A)-Fiber Multi(B)
NET2-RS	Netcard, RJ45(A)-Fiber Single(B)
NET2-MM	Netcard, Fiber Multi(A)-(B)
NET2-SS	Netcard, Fiber Single(A)-(B)

COPPER PILLAR	
CP-PILLAR 15	Copper pillar 15 mm x 50
CP-PILLAR 30	Copper pillar 35 mm x 50



SCHOOLS



STORES



SHOPPING MALLS



HOTELS



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