



MATRIX & CONVENTIONAL

Precision ROUTING Absolute CONTROL

- ▶ VOICE ALARM CONTROLLER
- ▶ MATRIX SYSTEM
- ▶ PAGING MICS
- ▶ BGM & EVAC PLAYERS
- ▶ EVAC / FIRE ALARM INTERFACE
- ▶ PRE-AMP MIXER & AMPLIFIERS
- ▶ AMP CHANGEOVER & LINE MONITORING
- ▶ ZONE SELECTORS & DECODERS
- ▶ POWER SUPPLIES & CHARGER



① INTRODUCTION

Amperes offers in-market systems to suit every installation, whether for budget-friendly or more advanced requirements. From simple PA setups to complex systems that comply with authority standards, we provide reliable solutions for clear and quality audio delivery. Because safety matters to all, our EVAC announcement systems are designed to broadcast critical messages promptly and efficiently through coordinated and controlled equipment.





ZS5601

6 Ch Speaker Zone Selector



ZS5121

12 Ch Speaker Zone Selector

ZS5601 (6-zone) and **ZS5121** (12-zone) are speaker zone selectors for both BGM and paging. They ensure clear communication by automatically prioritizing paging audio over BGM in your selected zones. They support front panel and remote control via Amperes **PM Series** paging microphones or **TD Series** decoders, and can be cascaded for larger PA systems.



ZS5602

6 Ch Uninterrupted Speaker Zone Selector

ZS5602 (6-zone) is a speaker zone selector with **separate BGM and paging inputs**, allowing paging without interrupting BGM in other zones. It supports independent zone selection, remote triggering via Amperes **PM Series** paging microphones or **TD Series** decoders.

**Requires two amplifiers (BGM and paging) connected to the ZS5602*

Key Features

ZS5601 & ZS5121

- Available in 6-zone (ZS5601) and 12-zones (ZS5121) with All Call
- **Paging overrides BGM** with priority LED indication

ZS5602

- Supports 6 zones with All Call
- Allows paging to specific zones **without overriding BGM**
- **Separate inputs for BGM and paging amplifiers**

Common Features Across All Models

- Remote activation via PM series paging mic or TD series zone decoders
- Emergency mic port with dry contact for volume override
- Works with 3-wire or 4-wire PA systems

Technical Specifications

	ZS5601	ZS5121	ZS5602
Operating voltage	24V DC via PS9400		
Power consumption	3.5W, 0.14A with ALL CALL	6.8W, 0.28A with ALL CALL	10W, 0.42A with ALL CALL
Max load / Channel	1000W 100V line		
Number of zones	6 zones	12 zones	6 zones
Amplifier inputs	6 inputs	12 inputs	6 BGM , 6 Paging amplifiers
Zone selection (Paging)	Front panel switch and remote triggering via PM series paging mics & TD series decoders		
Zone selection (BGM)	Front panel switch		
Cascade limitation	Unlimited		
Remote triggering	-ve triggered (common ground)		
Switching indicators	Individual zone switch & priority		Front panel LED
Switching mode	Individual or ALL CALL <i>Local zone selection is bypassed when remote triggering is activated</i>		Individual or ALL CALL
Dimensions (W x H x D)	482 x 44 x 180 mm		
Net weight	2.30 kg	2.40 kg	2.20 kg

Rear Outlook

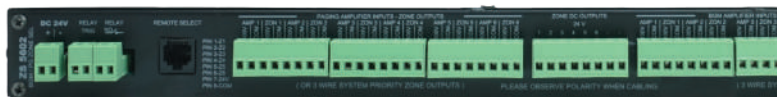
ZS5601



ZS5121



ZS5602



Packing Information

Carton size
555 (L) x 295(W) x 95(H) mm

Gross weight
ZS5601 : 2.90 kg
ZS5121 : 3.0 kg
ZS5602 : 2.90 kg

Qty/carton
1 unit per carton



ZS5062 ZS5122

Speaker Zone Selector with Fail Safe



ZS5062

6 Ch Speaker Zone Selector with Fail Safe



ZS5122

12 Ch Speaker Zone Selector with Fail Safe

ZS5062 (6-zone) and **ZS5122** (12-zone) are high-power, fail-safe speaker zone selectors designed for uninterrupted emergency broadcasts. These units ensure all zones remain active during power loss or system failure. Both models support up to 1000W per zone on a 100V line and feature RS485 remote triggering and integration with Amperes PMX software for advanced monitoring.

Key Features

- 1000W per zone on a 100V line
- Fail-safe operation keeps speaker lines connected during power or unit failure
- Expandable up to 248 zones with flexible amp-to-zone setup (max 16 units)
- Local paging overrides BGM for priority announcements
- Remote triggering via RS485 with monitoring through Amperes PMX software
- Front panel and remote paging control for easy operation

Technical Specifications

	ZS5062	ZS5122
Operating voltage	24V DC via PS9400	
Power consumption (Idle)	3.29W	6.25W
Power consumption (All call)	0.72W	0.96W
Current consumption (Idle)	0.14A	0.26A
Current consumption (All call)	0.03A	0.04A
Max load / channel	1000W at 100V line	
Number of zones	6 zones	12 zones
Amplifier inputs	6 inputs	12 inputs
Zone selection	Front panel switch and remote triggering (zone & all call)	
Cascade capacity	16 units	
Remote triggering	-ve triggered (common ground)	
Indicators	Individual zone switch, all call, and priority	
Data communications	RS485 19.2 kbps baud rate	
Switching mode	Individual or ALL CALL <i>Local zone selection is bypassed when remote triggering is activated</i>	
Dimensions (W x H x D)	482 x 44 x 180 mm	
Net weight	2.30 kg	2.50 kg

Rear Outlook

ZS5062



ZS5122



Packing Information

- Carton size** 555 (L) x 295 (W) x 95 (H) mm
- Gross weight** ZS5062: 2.90 kg
ZS5122: 3.0 kg
- Qty/carton** 1 unit per carton





TD6400 is a dual 4-channel (8-zone) decoder and zone selector designed for Amperes PD Series paging microphones. It features two independent 4-zone groups (2 x 4 Ch) with adjustable start addresses, offering highly flexible zone control configurations. Additionally, it serves as a matrix extender for the Amperes MxP2288.

When integrated with the Amperes iPX5155 BGM client via RS485, the TD6400 enables remote BGM switching through iPD microphones or PMX software. It also includes a paging override feature to ensure priority announcements are always delivered.

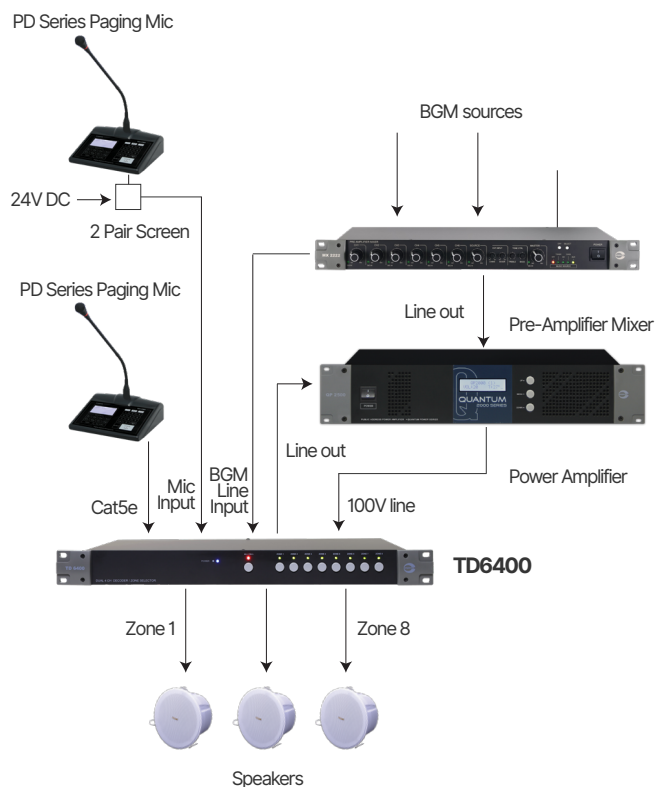
Key Features

- **2 x 4 Ch (8 zones)** setup or configurable to 1 x 8 Ch
- **Independent address setting** for both groups of zones
- **Customizable start addresses** to minimize unused zones
- Works as a **matrix extender** via MxP2288 with flexible amp-to-zone setup
- Supports **multi-point paging priority** from PD series paging mics
- **Programmable All Call trigger** for remote or front panel activation
- Expandable up to **248 zones with 31 cascaded units**

Technical Specifications

Operating voltage	24V DC via PS9400
Power consumption	Operating: 6W (250 mA) Standby: 1.2W (50 mA)
Max load / channel	1000W at 100V line
Cascade	31 units (max 248 zones)
Configuration (Zones)	2 x 4 zones (8 zones)
Audio output	2 balanced line 0 dBu
Amplifier inputs	8 free configurations
Indicator	LED for zones switching, priority override
Switching mode	Local front button with All Call Remote RS485 for BGM and paging zone selection
Input impedance	10k Ohm (line)
Output impedance	600 Ohm balanced
Frequency response	70 - 15 kHz (Paging audio)
Audio inputs	1 x balanced mic input (line), 2 BGM (line)
Max audio output	1.2V balanced line (±4 dBu)
Data protocol & baud rate	RS485, 19.2 kbps
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.35 kg

Application Schematic for TD6400



Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	2.90 kg
Qty/carton	1 unit per carton





The **TD6240** is a 24-channel zone decoder designed for seamless integration with PD Series paging microphones. It enables smooth zone switching through ZS Series selectors via RJ45 connectivity.

Supporting multi-point paging across three independent PD input circuits, the unit is highly scalable—stackable up to 248 zones. With configurable start zones, it offers superior flexibility for complex iPX BGM/Paging clients and matrix system architectures.

Key Features

- **24-channel zone decoder**, expandable up to 248 zones
- Multi-point paging with **3 PD Series mic inputs circuits**
- Selectable balanced audio output (mic or line)
- RJ45 remote trigger ports (PD Series to ZS Series zone selectors)
- Configurable start zone for iPX and matrix setups

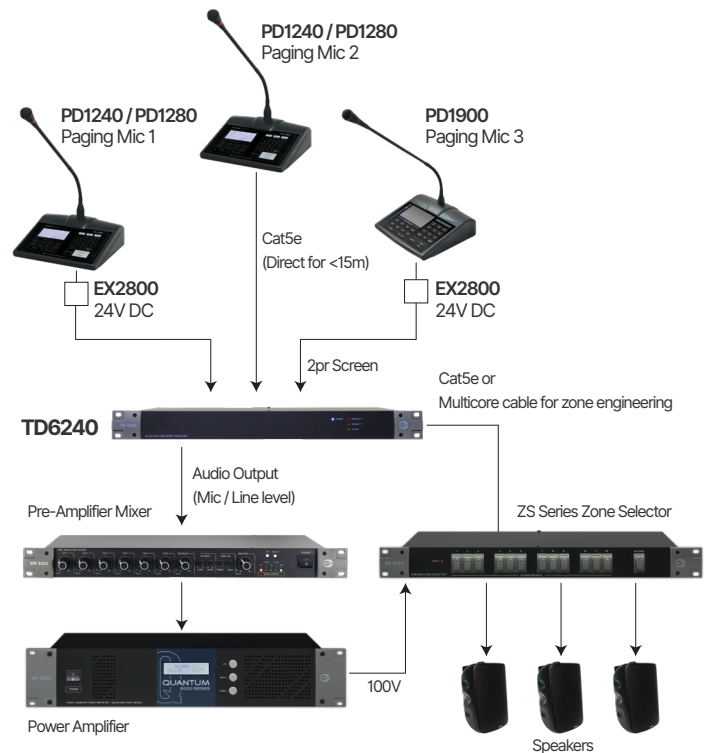
Technical Specifications

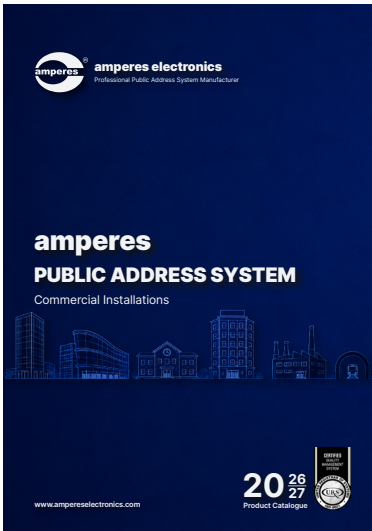
Operating voltage	24V DC via PS9400
Power consumption	Operating: 2.4W (100 mA) Standby: 0.8W (33 mA)
Switching channels	24 channels
Cascade	16 units (max 248 zones)
Input circuit	3
Output connection	RJ45 remote trigger ports ZS Series zone selectors
Input impedance	10k Ohm (line)
Output impedance	600 Ohm balanced
Frequency response	70 - 15 kHz (Paging audio)
Audio inputs	Balanced line (±4 dBu)
Max audio output	1.1V balanced line (±4 dBu)
Data protocol & baud rate	RS485, 19.2 kbps
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.20 kg

Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	2.70 kg
Qty/carton	1 unit per carton

Application Schematic for TD6240





**2026/2027 Product Catalogue
Public Address System**

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