



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.



## LCD Touchscreen Paging Microphone



**PD1900** is a modern paging console with a 7" capacitive touchscreen LCD display (800 x 480 resolution) for clear and intuitive control. Its sleek design makes it suitable for reception desks and control rooms.

It is also fully compatible with all Amperes Zone Decoders, IP Clients, and Matrix Controller MxP2288.

### Key Features

- 7" capacitive touchscreen with **800 x 480 resolution**
- Intuitive user interface with **selectable UI themes**
- **Programmable zone grouping** (64 zones with 8 groups)
- Customizable **device naming**
- Built-in **programmable chime and siren** functions
- **Illuminated gooseneck microphone** (lights upon activation)

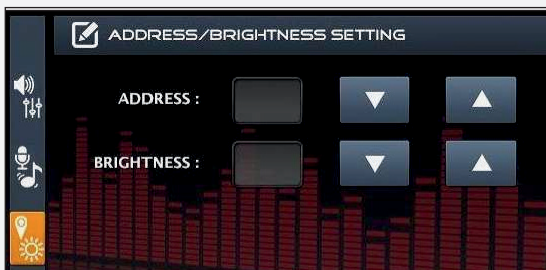
**Volume / Tone Setting:** Set volume, bass and treble.



**Mic / Chime Setting:** Set the Chime Volume when the paging mic is ON.



**Address / Brightness Setting:** Set the Address & Address ID, and adjust the brightness of the screen.



### Technical Specifications

Operating voltage	24V DC via EX2800 with local power adapter
Power consumption	1.3W
Zone selection	Numerical keypad with Group, All Call
Switching selection	Capacitive touchscreen
Microphone	Condenser gooseneck w LED ring (Unidirectional)
Output impedance	600 Ohm
Output level	1.2V balanced line output (+4 dBu)
Output controls	Chime and microphone volume
Data connections	RS485, 19.2 kbps
Cabling to decoder	2 pair screen (22 AWG / Cat5e)
Operating distance	500m (subject to cable size)
Interfacing device	MxP2288, TD6240, TD6400, iPX5155
Chime	4-tone up and down
Indicators	Zone, power, audio, data, gooseneck ring LED
Displays	7" capacitive touchscreen LCD display (800 x 480 px, white back illumination)
Frequency response	100 - 12 kHz @ 1 kHz ± 3 dB
S/N ratio	>65 dB @ 1 kHz
Gooseneck mic length	370 mm
Dimensions (W x H x D)	230 x 192 x 65 mm (excluding mic)
Net weight	0.95 kg

### Packing Information

<b>Carton size</b>	445 (L) x 260 (W) x 85 (H) mm
<b>Gross weight</b>	2.10 kg (Adapter included)
<b>Qty/carton</b>	1 unit per carton





### PD1240

24 Zones Digital Desktop Paging Microphone

### PD1280

LCD Digital Desktop Paging Microphone

The **PD1240** and **PD1280** are high-performance and essential paging microphones designed to bring effortless control to your facility's communication network.

Combining a mechanical free soft-touch interface with advanced acoustic engineering, these units ensure that every announcement is delivered with crisp, professional clarity, from standalone to multi-point paging setups with grouping and priority settings.

### Key Features

#### PD1240

- Designed for small installations
- Fixed 4-zone grouping structure
- 24-zone console
- LED indicators for selections

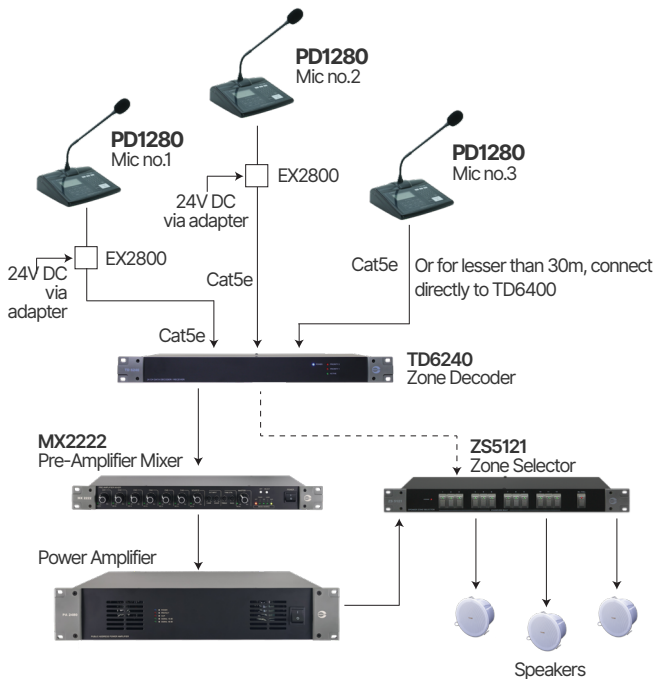
#### PD1280

- Designed for large-scale installations
- 256-zone with programmable grouping (8 groups x 24 zones)
- Graphic LCD display for monitoring and configuration
- 9 priority levels for advanced paging control
- Customizable zone naming for easy identification

#### Common features

- Built-in paging chime with adjustable volume
- Gooseneck microphone with LED ring
- Priority override for higher-priority unit control
- Supports multi-point paging
- Electronic soft-touch selection buttons

### Application Schematics for PD1240 / PD1280



### Technical Specifications

PD Series	PD1240	PD1280
Operating voltage	24V DC via EX2800 with local power adapter	
Power consumption	1.2W	1.3W
Zone selection	24-zone keys, 4 groups, All Call	Numerical keypad, 8 groups (24zone/grp), All Call
Switching selection	Sensor touch keypad	
Microphone	Gooseneck microphone with LED ring (Unidirectional)	
Microphone sensitivity	-72 dB	
Output impedance	600 Ohm	
Output level	1.2V balanced line output (+4 dBu)	
Output controls	Chime and microphone volume	
Data connections	RS485, 19.2 kbps	
Cabling to decoder	2 pair screen (22 AWG / Cat5e decoder)	
Operating distance	500m max (18 AWG cable)	
Interfacing devices	MxP2288, TD6240, TD6400	
Chime	4-tone up and down	
Indicators	Zones, power, audio, data, gooseneck LED ring	
Displays	N/A	LCD display (white back illumination)
Frequency response	100 - 12 kHz @ 1 kHz ± 3 dB	
S/N ratio	>65 dB @ 1 kHz	
Gooseneck mic length	370 mm	
Dimensions (W x H x D)	230 x 192 x 65 mm (excluding mic)	
Net weight	840g	

### Packing Information

- Carton size** 445 (L) x 260 (W) x 85 (H) mm
- Gross weight** PD1240: 1.50 kg PD1280: 1.50 kg (Adapter included)
- Qty/carton** 1 unit per carton





### PM1010

Analogue Desktop Paging Microphone



### PM1030

Analogue Desktop Paging Microphone with Chime

**PM1010** and **PM1030** are basic versions of paging microphones, blending contemporary design with enhanced audio clarity, providing professional interface for general purpose PA broadcasting. PM1010 comes with simple line output without chime and PM1030 has additional features such as chime for pre and post paging and dry contact on mic activation.

They are ideal devices for application in simple systems such as counter paging, boutiques, school classrooms, etc.

## Key Features

### PM1010

- Simple press-to-talk operation (no chime)
- Adjustable microphone volume

### PM1030

- Press-to-talk operation (with chime)
- Built-in 4-tone pre-announce chime
- Adjustable chime and microphone volume
- Dry contact output for external system integration

### Common Features Across All Models

- Contemporary desktop design
- Cardioid condenser gooseneck mic with LED status ring
- Line-level output compatible with Amperes mixing amplifiers
- Lightweight and durable

## Technical Specifications

PM Series	PM1010	PM1030
Operating voltage	24V DC	
Power consumption	0.8W	1.3W
Indicators	Press-to-Talk, Mic LED ring	Press-to-Talk + Chime, Mic LED ring
Microphone	Cardioid condenser gooseneck microphone with LED ring	
Dry contact	N/A	3A max
Mic sensitivity	-72 dB omni directional	
Output impedance	Line: 300 Ohm Mic: 50 Ohm	
Frequency response	200 - 11 kHz ( $\pm 3$ dB)	
S/N ratio	80 dB @ 1 kHz $\pm 3$ dB	
THD + Noise	<0.2%	<0.1%
Output controls	Microphone	Microphone, Chime
Audio output (max)	Line output: 1.2V rms balanced Mic: 70mV rms balanced	
Cable	2m RJ45 connection at external box	
Output connection	5 way mini connector at external box	
Gooseneck mic length	370 mm	
Dimensions (W x H x D)	160 x 50 x 120 mm (excluding mic)	
Net weight	400 g	

## Packing Information

Carton size	465 (L) x 240 (W) x 85 (H) mm
Gross weight	1.05 kg
Qty/carton	1 unit per carton





### PM1060

6 Zones Analogue Desktop Paging Microphone



### PM1120

12 Zones Analogue Desktop Paging Microphone

**PM1060** (6 zone) and **PM1120** (12 zone) are zone paging microphones in the PM1000 Series, they feature 4-tone chime and a switchable mic/line output for easy connection to mixers or amplifiers.

They connect directly to Amperes MA2000 Series mixing amplifiers via RJ45 Cat5e cable for simple installation and direct zone control. Ideal for small to medium setups with up to 12 zones.

### Technical Specifications

Operating voltage	24V DC via RJ45 (500mA)
Power consumption (DC)	650mW (Idle) 4.5W (Active - All Call)
Current consumption (DC)	30mA DC (Idle) 180mA DC (Active)
Zone selection	6 zones or 12 zones with All Call
Microphone	Cardioid condenser gooseneck mic with LED ring
Output impedance	Line: 470 Ohm Mic: 600 Ohm (±10%)
Output level	Line: 1.2V Mic: 50mV
Volume controls	Chime and mic level
Audio connection	1/4" stereo phone jack
Switching connection	RJ45 connector
Operating distance	300m (recommended)
Chime	4-tone up and down
Indicators	Mic ring, zone switch, All Call
Frequency response	100 - 12 kHz @ 1 kHz ± 3 dB, 0 dB out
S/N ratio	>60 dB
Gooseneck mic length	370 mm
Dimensions (W x H x D)	150 x 62 x 186 mm (excluding mic)
Net weight	PM1060: 640g PM1120: 660g

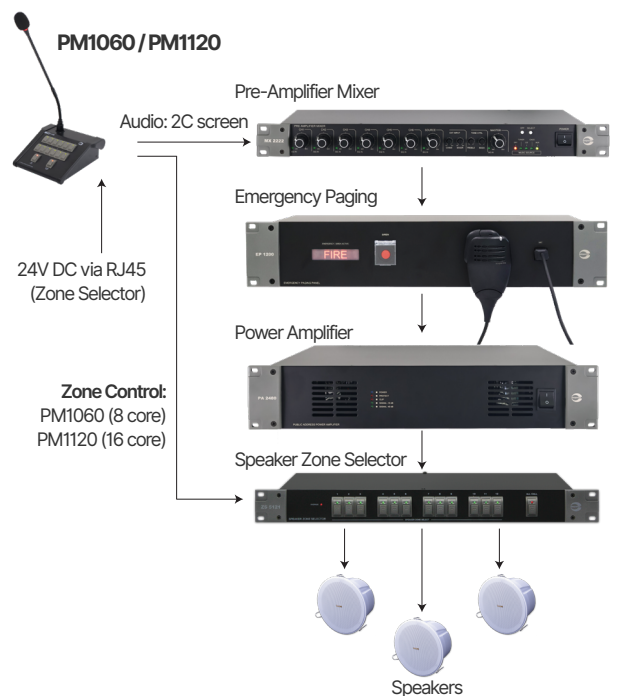
### Packing Information

Carton size	525 (L) x 270 (W) x 85 (H) mm
Gross weight	PM1060: 1.20 kg PM1120: 1.22 kg
Qty/carton	1 unit per carton

### Key Features

- Built-in 4-tone chime (pre- and post-announcement)
- Cardioid condenser gooseneck mic with LED status ring
- Adjustable chime and microphone volume
- Selectable output level (mic or line)
- Balanced audio output for long distance paging
- Zone selection from console (individual zones or All Call)

### Application Schematic for PM1060 & PM1120



## Emergency Paging Microphone Panel



**EP1200** is the highest-priority emergency paging via front panel microphone in conventional system. With a single press, it overrides all other audio sources, including BGM, sirens, and recorded messages.

It supports EVAC message input for automated broadcast via dry contact, which also bypass any normal paging and BGM. It integrates easily with other devices such as TD6400 for zone overriding via RS485 data port.

### Key Features

- **Highest-priority override** paging via front panel mic for EVAC paging
- Built-in constant **siren tone generator**
- **Dual-mode siren tone activation** (automated & manual)
- Large **FIRE** indicator
- **Dry contact output** when paging microphone activated
- Independent output level controls for **siren, message, and paging mic**

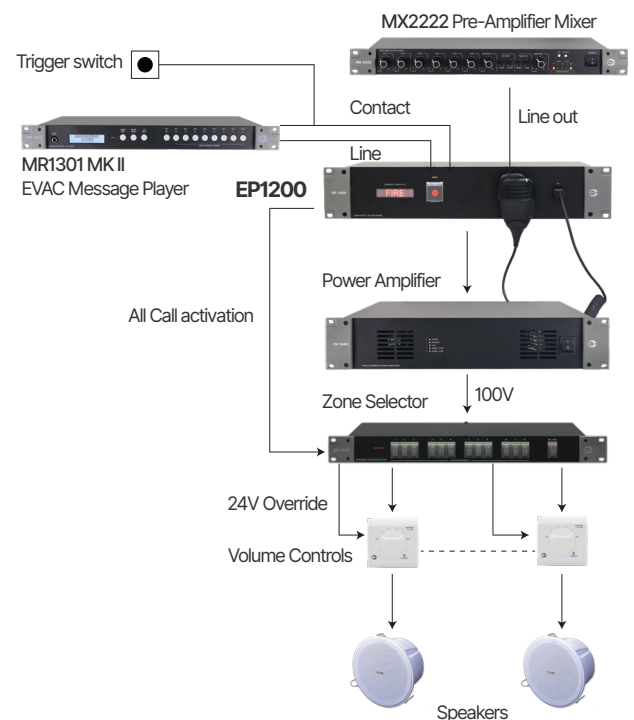
### Technical Specifications

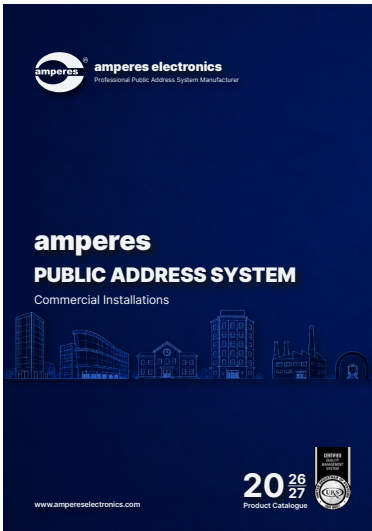
Operating voltage	24V DC
Power consumption	3.5W
Mic sensitivity	-72 dB Omni directional
Impedance	600 Ohm
Frequency response	300 - 8 kHz
Siren frequency	Continuous at 8 kHz
Siren duration	Continuous when activated
Siren activation	Front test switch / remote contact
Input channel	Pre-amplifier output, message recorder
Output level	Balanced line out +4 dBu (1.2V)
Priority sequence	Paging Mic - Message - Siren - preamp IN
Indicators	Front FIRE with back light illumination
Dimensions (W x H x D)	482 x 88 x 180 mm
Net weight	2.80 kg

### Packing Information

Carton size	555 (L) x 295 (W) x 165 (H) mm
Gross weight	3.75 kg
Qty/carton	1 unit per carton

### Application Schematics for EP1200





## 2026/2027 Product Catalogue Public Address System

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