AM4120
12 Ch Amplifier Monitor Panel

AM4120 is used to monitor amplifier outputs of 70 / 100V line at the rack which is equipped with level meter, amplifier output LED and speaker for audio monitoring. It can also be used as a tool to calibrate sound output level of each amplifier from the rack.

- **Audio monitoring** with volume control
- **12 inputs** for 70 / 100V line amplifier outputs
- **Dual mode monitoring** with continuous signal indicator

Technical Specifications

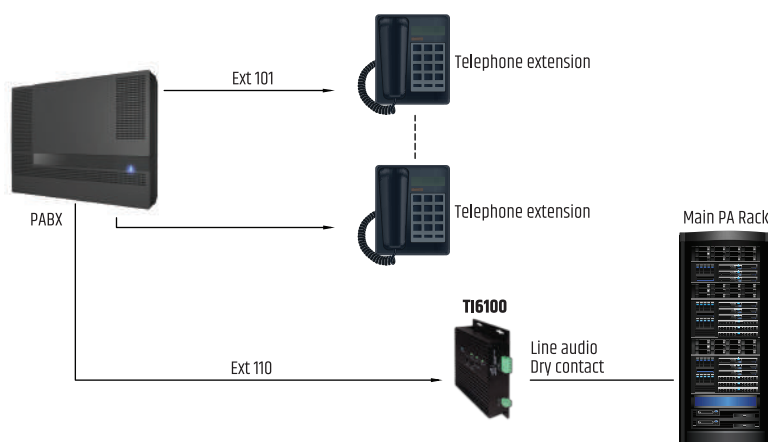|	
Operating voltage	24V DC via PS9400 PSU
Power consumption	50 mW
Amplifier inputs	12 : 70 / 100V line
Monitoring mode	Audio : 1W speaker with 5 presets Visual : segment LED level meter LED for all channels
Dimensions (W x H X D)	482 x 44 x 180 mm
Weight	2.15 kg

TI6000
PABX Telephone Interface

TI6100 is an interface for PABX system to PA, allowing paging from any keyphone extension to speakers. It is suitable for analogue / hybrid keyphone systems.

Application Schematic

Ext 101 — Telephone extension

Telephone extension

PABX

TI6100

Ext 110

Line audio
Dry contact

Main PA Rack

Packing Information

AM4120 :

Carton size : 555 (L) x 295 (W) x 95 (H) mm
Gross weight : 2.80 kg
1 unit per carton

TI6100 :

Carton size : 155 (L) x 105 (W) x 125 (H) mm
Gross weight : 0.90 kg
1 unit per carton

ZS5602
6 Ch Uninterrupted Speaker Zone Selector
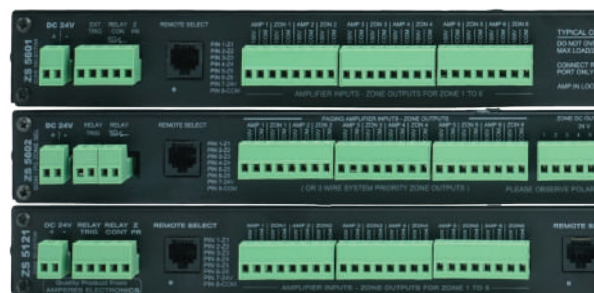
ZS5601
6 Ch Speaker Zone Selector

ZS5121
12 Ch Speaker Zone Selector

ZS5601 and **ZS5121** are trusted products for speaker zone selection that provides direct zone switching for single source PA setup via front panel switches or through remote port connected to Amperes PM series paging desk, or through Amperes TD decoders.

ZS5602 is suitable for uninterrupted paging setup, i.e. when an announcement to a zone is made, other areas with BGM that shall not be interrupted. This will require two sets of amplifiers (BGM and Paging) connected to the ZS5602

- **Expansion** to more zones if required
- Available in 6 (ZS5601, ZS5602) and 12 zones (ZS5121) with **All Call**
- **Flexible** amplifier to zone configuration, suitable for 3 or 4 wire systems
- **Remote zone triggering** port via external paging microphone or console
- Paging override by Amperes paging console with **priority override** indicator
- **Emergency paging mic** triggering port with dry contact for volume controller overriding application

Technical Specifications

	ZS5601	ZS5121	ZS5602
Operating voltage	24V DC adaptor via PS9400		
Power consumption	3.5W, 0.14A w All Call	6.8W, 0.28A w All Call	10W, 0.42A w All Call
Max load / channel	1000W 100V Line		
Number of zones	6	12	6
Amplifier inputs	6	12	6 BGM ; 6 Paging
Zone selection - Paging	Front panel switch and remote		
Zone selection - BGM	Front panel switch		
Cascade limitation	Unlimited		
Remote triggering	-ve triggered (common ground)		
Indicators	Individual zone switch, Priority		Zone LED
Switching mode	Individual, All Call Local zone selection bypassed when remote trigger is activated		Individual, All Call
Dimensions (W x H x D)	482 x 44 x 180 mm		
Weight	1.95 kg	2.10 kg	2.20 kg

Packing Information

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

Gross weight : ZS5601 - 2.55 kg

: ZS5121 - 2.70 kg

: ZS5602 - 2.70 kg

1 unit per carton

www.ampereselectronics.com

ZS5062 ZS5122
6 / 12 Ch Speaker Zone Selector

ZS5062
6 Ch Speaker Zone Selector

ZS5122
12 Ch Speaker Zone Selector

ZS5062 and **ZS5122** have been improved in its individual zone rating with 1000W 100V line to meet the demand to increase zone loading in today's installations. They differ from other zone selector, i.e. they have fall safe feature which would ensure zone is always connected for paging if the unit itself failed. RS485 port is available for remote triggering and monitoring via PMX software.

- **1000W 100V** per zone rating
- **Zone monitoring** via PMX III software
- Local paging **override** bypassing BGM
- **Flexible** amplifier to zone configuration
- **Fall safe** zone trigger during power or unit failure
- **Remote zone triggering** via analogue and RS485 data
- Available in 6 and 12 zones ; expandable to **248 zones**

ZS5062

ZS5122

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 100V Line	
Number of zones	6	12
Amplifier inputs	6	12
Zone selection	Front panel switch & remote (zone & all call)	
Max cascade	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, All Call	
	Local zone bypassed when remote trigger is activated	
Operating temperature	-10° ~ 60°C	
Dimensions (W x H x D)	482 x 44 x 180 mm (1hu)	
Weight	1.95 kg	2.10 kg

Packing Information

Carton size : 550 (L) x 295 (W) x 95 (H) mm

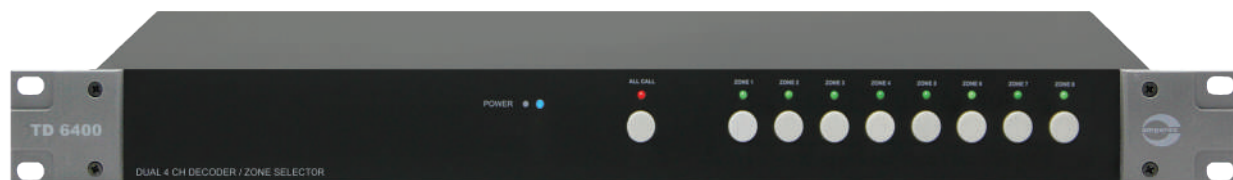Gross weight : ZS5062 - 2.55 kg

: ZS5122 - 2.70 kg

1 unit per carton

TD6400
2 X 4 Ch Zone Decoder / Selector

- **Integrated** paging mic zone decoder and selector
- 2 x 4 channel setup, **configurable** to 1 x 8
- **Independent address** setting for both groups of zones
- Works as **matrix zone extender**
- **Multi point paging** from PD series of paging mic
- Compatible with **iPX5155** Paging / BGM client via RS485 controls
- **Cascade** for larger zone setup

TD6400 combines paging mic data decoder and zone selector in a single box. It has two groups of zones (2 x 4 zones) with independent address settings, thus providing flexibility in zone assignments.
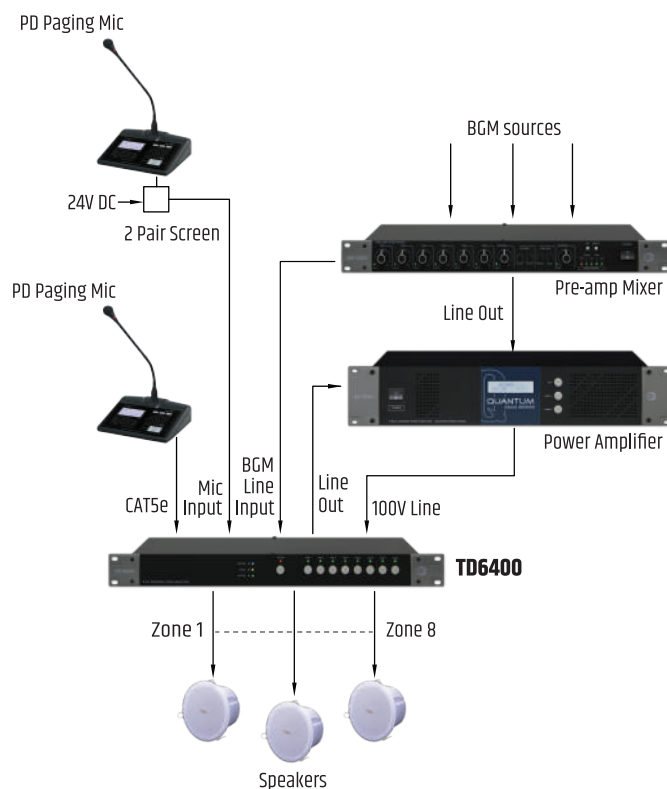
It is suitable for decentralized installations of multiple locations and it also functions as matrix zone extender. Link it via Amperes iPX5155 to enable remote zone controls via iPX microphone or PMX III software.

Technical Specifications

Operating voltage	24V DC
Consumption	6W (250mA)
Max load / channels	1000W 100V Line
Cascade quality	31 (248 zones)
Configuration	2 in x 4 zones
Input circuits	3 : 1 mic, 2 BGM
Audio Output	2
Number of zones	8
Amplifier inputs	8
Zone selection	Front panel switch & remote
Indicators	Individual zone switch
Switch mode	Individual, All Call local zone selection bypassed when remote trigger is activated
Input impedance (Ohm)	Line : 10 K
Output impedance	600 Ohm balanced
Frequency response	70 ~ 15 KHz
Audio input	Line
Max audio output	Line 1.2V (balanced)
Data protocol	RS485
Baud rate	19.2 kbps
Dimensions (W x H x D)	482 x 44 x 180 mm
Weight	2.00 kg

Application Schematic

PD Paging Mic

24V DC

2 Pair Screen

BGM sources

PD Paging Mic

Pre-amp Mixer

Line Out

Power Amplifier

CAT5e

Mic Input

BGM Line Input

Line Out

Line Out

100V Line

TD6400

Zone 1 - - - - - - - - - - - - - - - - - - Zone 8
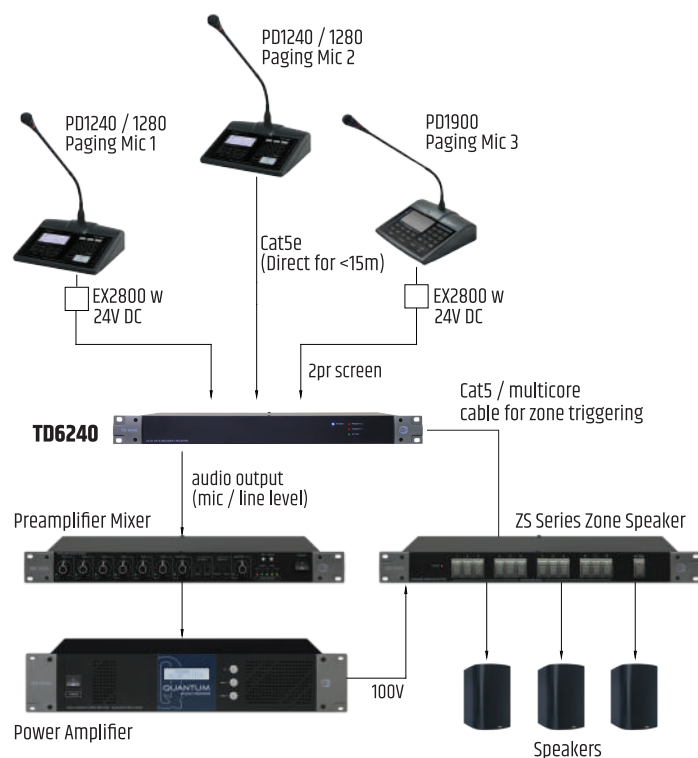
Speakers

TD6240
24 Ch Zone Decoder

TD6240 is an intermediary equipment between Amperes PD series of paging microphones and Amperes ZS series of speaker zone selectors. Is has 3 PD input circuits, enabling multi point paging setup from different areas. Decoded zones are connected to zone selectors through RJ45 jacks for zone switching. For system exceeding 24 zones, TD6240 can be stacked up to enable 248 zones switching in total.

TD6240 has been improvised, now enabled the starting zone of the first channel of the device. This feature provides more flexibility in zone configuration, especially in iPX or Matrix environment.

Application Schematic

- **Priority setting** for multi point paging setup
- **Selectable** balanced audio output level (mic or line)
- **Expandable** and **addressable** to cater for more than 24 zones
- **Compatible** with most zone selectors with remote triggering port
- Connects directly to **ZS5601 / 5121 / 5062 / 5122** via remote triggering ports using RJ45 connector

Technical Specifications

Operating voltage	24V DC
Consumption	2.4W (100 mA)
Switching channels	24
Cascade / max zones	10 (max 248 zones)
Input circuit	3
Output connection (Triggering)	RJ45 to ZS zone selector
Input impedance (Ohm)	Line : 10 K
Output impedance	600 Ohm balanced
Frequency response	70 ~ 15 KHz
Audio input	Line balanced (+4 dBU)
Max audio output	Line balanced (+4 dBU)
Data protocol	RS485
Baud rate	19.2 kbps
Dimensions (W x H x D)	482 x 44 x 180 mm
Weight	1.90 kg

Packing Information

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

Gross weight : 2.5 kg

1 unit per carton