

# PPX-16

## PAGING / PARTY SWITCH

DS-024 Issue 04



Thank you for your interest in Zitel - we are a UK based manufacturer of PAGA and Intercom products. Our systems are mainly designed for use in the Hazardous Oil, Gas and Petrochemical industries. PPX-16 is a sixteen subscriber switch which facilitates Page Party handset interfacing to a PAGA system.

The PPX-16 can operate with a secondary switch when required to enable handsets to selectively communicate on a discreet basis. Further subscriber handsets in excess of 16 subscribers are easily accommodated by cascading additional PPX-16 units.

### ZITTEL PPX-16 PAGE PARTY SWITCH

*Operates on a two pair cable – No multi core specials*

*Single system/N+1/A+B/A+B-N+2 PAGA interfacing – Redundant paging capability*

*Fully selective option – Multi-channel speech paths*

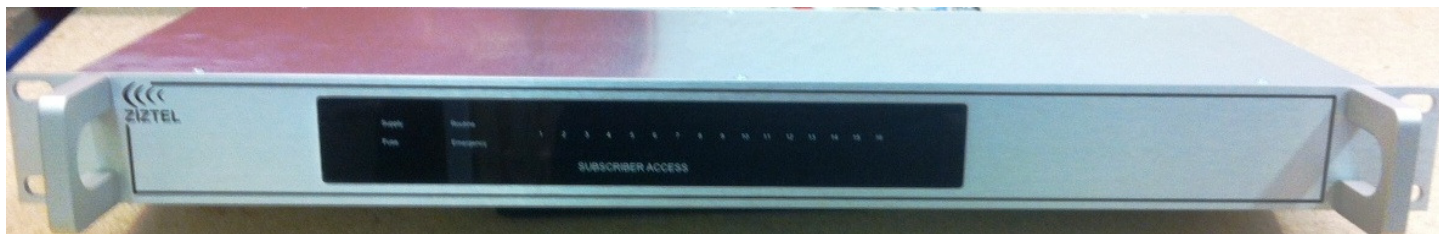
The Zitel Paging/Party Switch type PPX-16 is a highly integrated controller which forms the kernel of a secure telephone handset communications package. The PPX-16 provides the following basic operation a) Public address speech paging - enabling handset subscribers the possibility to initiate either live or stored messages over networks of paging loudspeakers; b) Establish full duplex two-way voice communications on a non-private open channel Party Line basis c) Optional point to point selective privacy communications.

The PPX-16 eliminates the requirement for costly multi-core special cables and can provide page / party and selective communications over a standard two pair shielded cable. PPX-16 does not depend on old technology rotary mechanical selector switches and establishes connections electronically.

The PPX-16 can also interface directly with the site PABX to allow subscriber telephone handsets dual functionality:

1. Selective subscriber to subscriber calling, i.e: standard PBX operation
2. Page-Party communications/broadcast capability.

Where point-to-point selective connectivity is required, handset subscribers are equipped with a keypad push button dial.



PPX-16 comprises of a single 1U high standard 19inch rack mount module which carries power supply, display and input/output connections to the rear panel.

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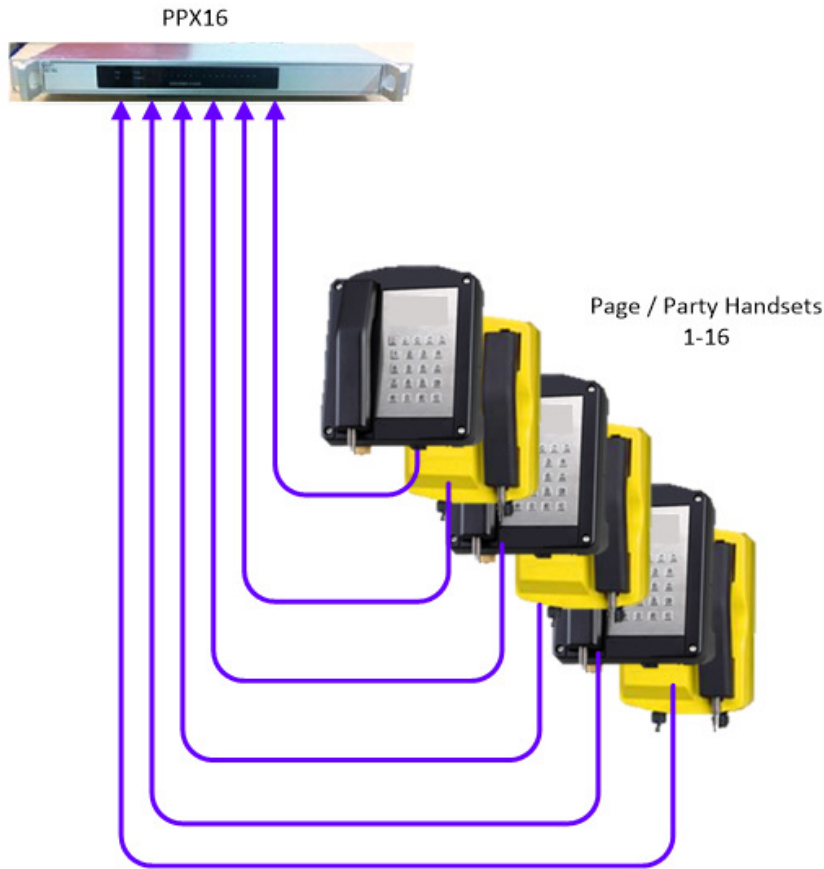
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A single module can serve up to sixteen handset subscribers; additional handsets can be served by adding further PPX-16 units which provide incremental service up to a system maximum of 1024 subscribers.

The PPX-16 supports one Page channel and one Party line channel and up to eight simultaneous 'point to point' speech path channels when selective communications is specified.

Two levels of paging can be assigned – *Page ROUTINE* and *Page EMERGENCY* with an interlocked priority subsystem to ensure that emergency paging broadcasts over ride non-essential routine messages. PPX-16 can operate in conjunction with a central rack mount 'merge' facility to allow different site areas to be connected together under control and management of an AP100-01 master access unit.

Electrical	
Supply	48V <sub>DC</sub> (Phantom powered from host Zitel ZEST System)
Number of subscribers	Sixteen
Subscriber to Rack connectivity	2x twisted pair cable with overall screen min CSA 0.75mm <sup>2</sup> / conductor
Paging interface	Single / A + B / N + 1 / A + B - N + 2
Mechanical	
Dimensions	1U 19inch rack mount – 300mm depth
Weight	2kg
Temperature Range	-20°C to +60°C
Location	Safe area internal

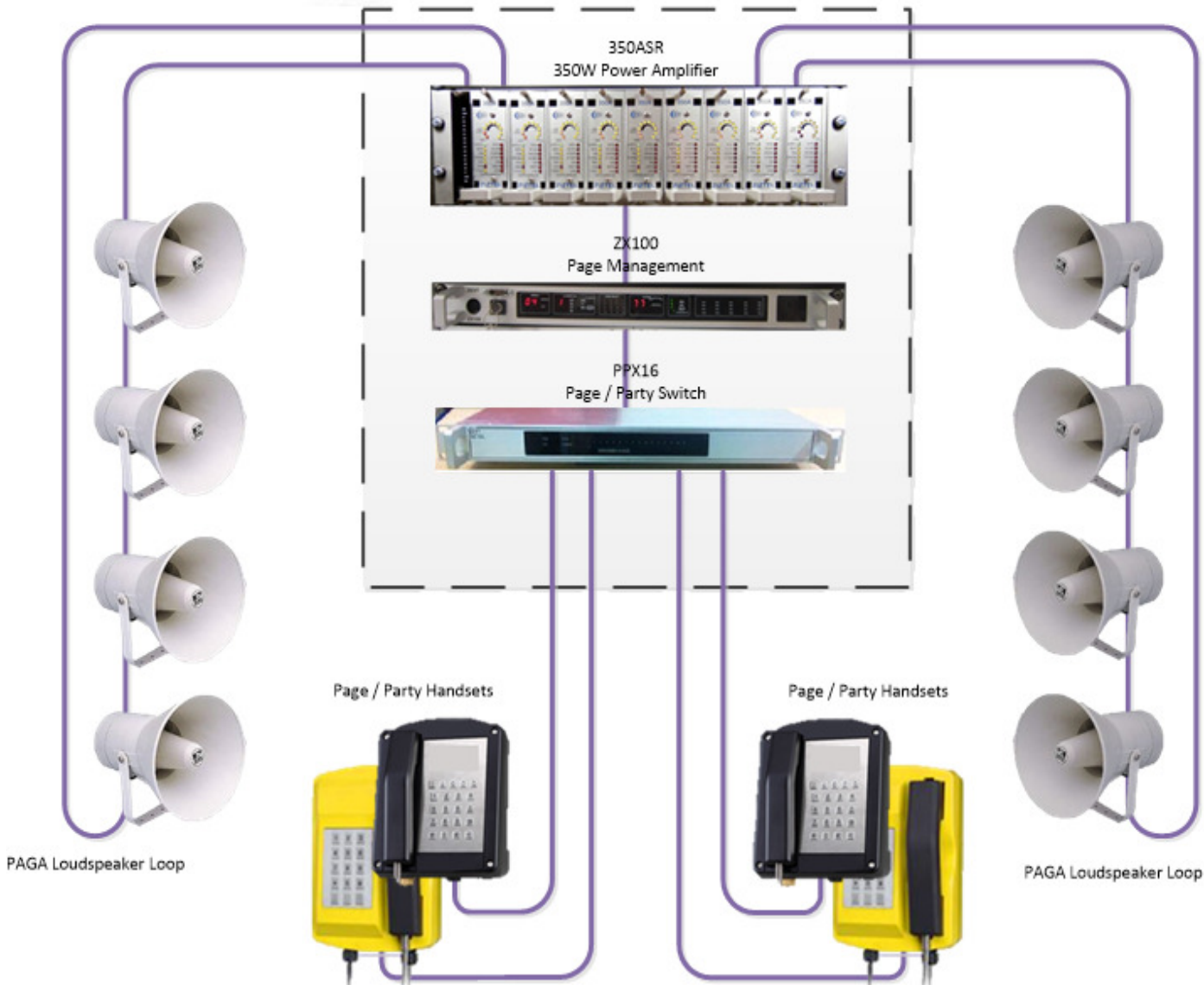


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# PPX16 PAGA integration



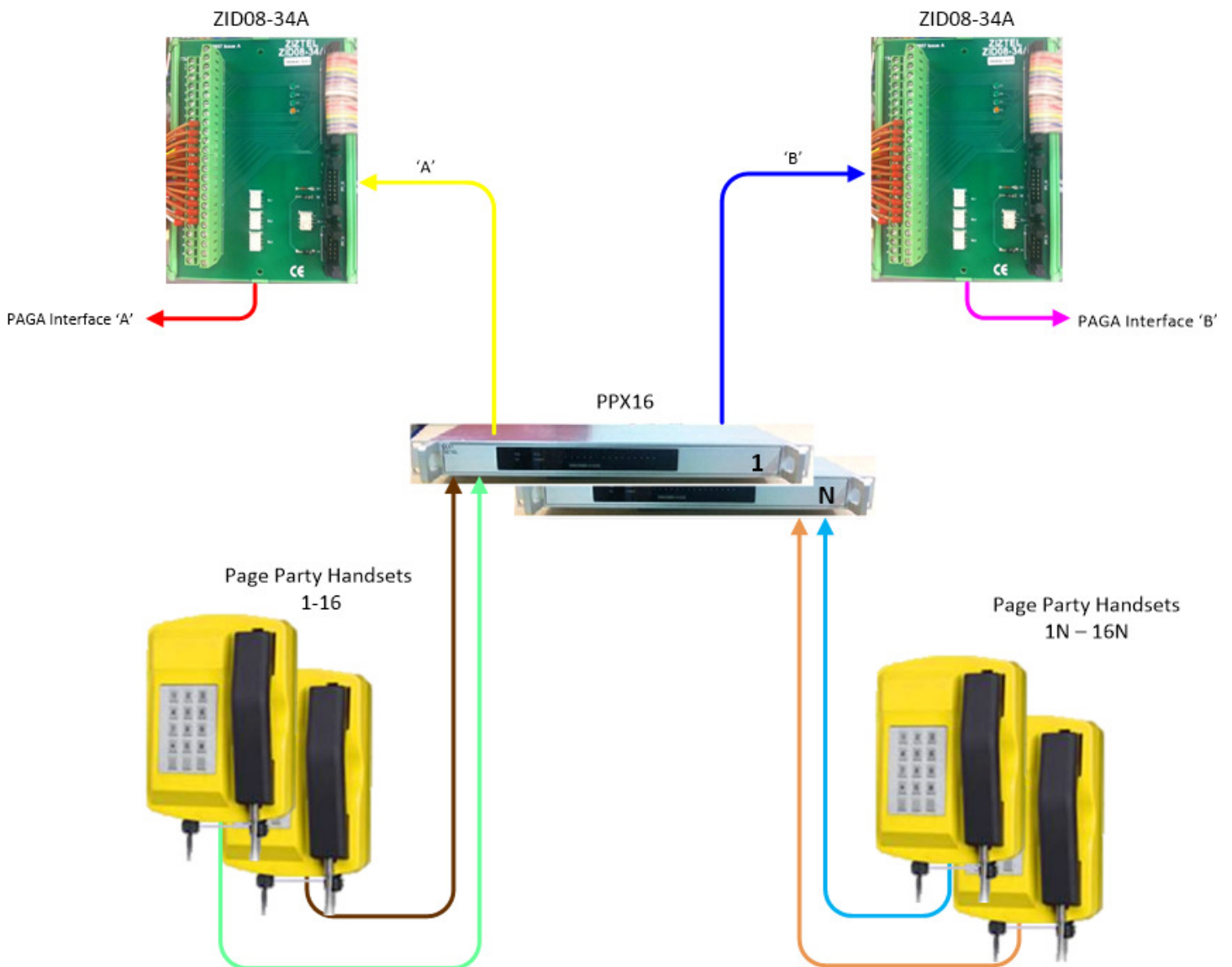
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## PAGA A + B / N + 1 Integration

### PPX16 Page / Party



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