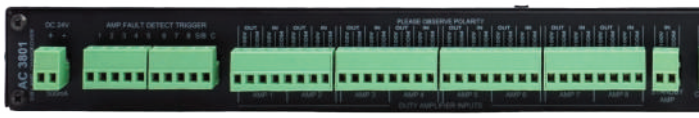
AC3801

8 Duty 1 Standby Manual Amplifier Changeover

AC3801 is a manual amplifier changeover panel with capacity of 8 duty and 1 standby amplifier. With its dual mode changeover triggering, the front panel switch can be used, otherwise from rear contact which is suitable for amplifiers with Auto Fault Sensing (AFS) feature such as QP or QD2000 series.

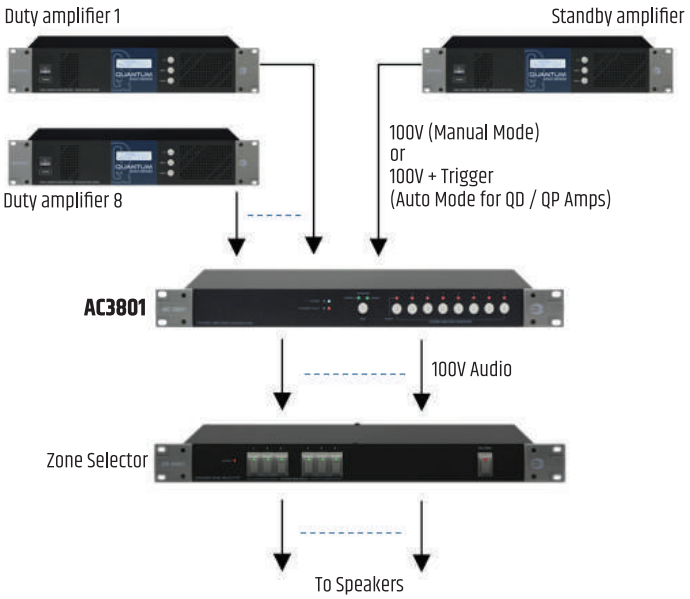


- Cater for **8 duty and 1** standby amplifier
- **Expandable** for 1 standby to server more than 8 duty units
- Overload **protection** by allowing only a single takeover
- **Priority** changeover for unit with higher numbered
- Manual front and rear triggering changeover (**dual mode**)
- Upgraded to **1000W** per channel

Technical Specifications

Operating voltage	24V DC
Power consumption	Standby: 82mW, 3.4 mA Operating: 1.3W, 50 mA
Zone load rating	1000W 100V line input
No. of amplifier inputs	8 duty, 1 standby
Changeover indication	Front panel LED for duty amplifier being changeover
Switching mode	Via front panel switches (manual mode) Remote trigger (auto mode)
Cable connections	Phoenix connectors
Cascade capacity	Unlimited (Recommend 3)
Cable size	Up to 2.5 mm sq
Dimensions (W x H x D)	482 x 44 x 180 mm
Weight	1.95 kg
Colour	Black, powder epoxy coated

Application Schematic



Packing Information

Carton size : 555 (L) x 295 (W) x 95 (H) mm
Gross weight : 2.55 kg
1 unit per carton

AX3800 MKII
8 Duty 1 Standby Auto Standby Changeover

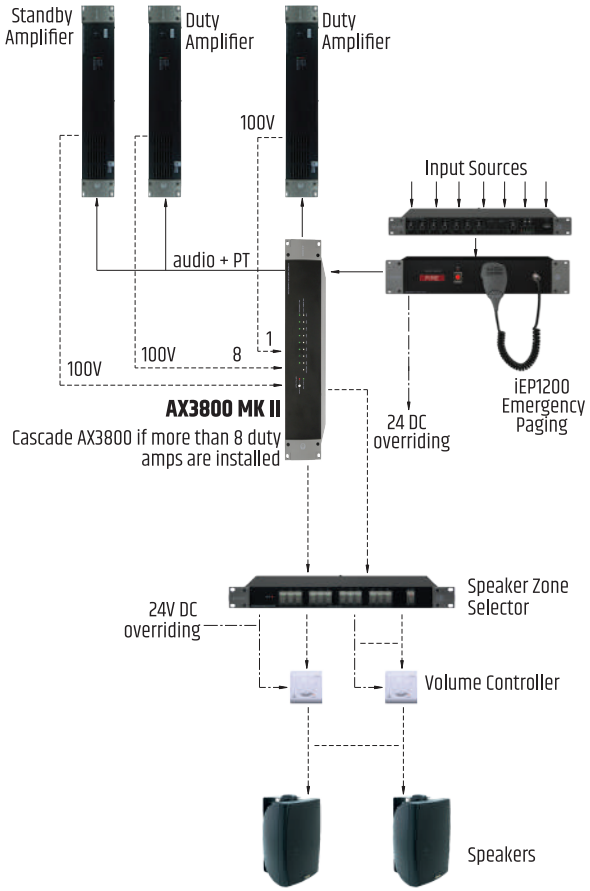
AX3800 MK II provides fast automatic changeover for faulty duty amplifier to standby unit. It can be cascaded to several units to enable one standby power pack to serve more than 8 duty amplifiers.

Internal pilot tone generated at intervals prevents phantom loading to amplifiers to lessen the work loads. With dual changeover at input signal and output 100V, it is thus suitable for matrix setup.

Priority and single takeover prevents overloading to standby unit.

- Cater for **8 duty and 1** standby with easy cascade link
- Pilot tone generated at **intervals** to prevent phantom amplifier loading
- Overloading **protection** by allowing only single takeover
- **Priority** changeover
- **Fast** fault detection and recovery time from 7 to 15 seconds
- Input and output changeover; suitable for **matrix** system setup
- Input **link switch** making connection of sources easier
- Channel **isolation** switch for unused channels
- Individual channel **status** indicator for normal, fault and changeover
- Improved rating to **1000W** per channel

Application Schematic



Technical Specifications

Operating voltage	24V DC
Power consumption	2.5W (0.11A)
Standby consumption	2.3W (0.95A)
Input signal	8 Ch balanced line signal
Input impedance	10k Ohm
Audio output gain	Unity
Pilot tone interval	8 seconds / channel
Pilot tone frequency	20 KHz (+/-5%)
Detection line	70 / 100V line
Detection level	5 V rms min
Failure detection time	20 seconds (max)
Failure recovery time	20 seconds (max)
Zone load rating	1000W 100V line
Status indication LED	Normal; Fault; Changeover
Changeover alert	Buzzer with switch
Changeover section	Input and output simultaneously
Dimensions (W x H x D)	482 x 88 x 180 mm
Weight	3.55 kg

Packing Information

Carton size : 555 (L) x 295 (W) x 165 (H) mm
Gross weight : 4.50 kg
1 unit per carton

LS4808 4816

8 / 16 Ch Speaker Line Surveillance

LS4808

8 Ch Speaker Line Surveillance

LS4816

16 Ch Speaker Line Surveillance

LS4808 / 4816 is a great tool to monitor the speaker line integrity such as ground leakage, short and open circuit as per requirement in EN54. Detection is via impedance measurement, thus usage of end of line resistors are not required and circuit branching is allowed.

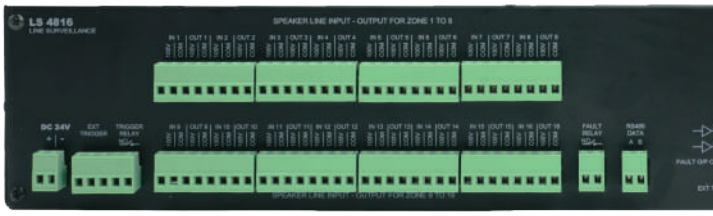
LS is powered by powerful processor and its unique measurement algorithm enables it to perform tasks at high speed with optimum accuracy.

The dual mode detection with basic and advance mode provides options for installer subject to site requirement or the nature of the project.

- Available in **8 or 16** channel options
- Impedance measurement method allows **circuit branching**
- No **end of line resistors** are required for the speaker circuit
- **Basic** and more accurate **advance** setup available
- **Short burst** test signals which minimize interruptions to PA operation
- **Auto** or **manual** fault detections with external test triggering
- Detection **intervals** setting from 1 min to 48 hours
- Faulty circuit **isolation** option
- Fault alert **indicators** with bi colour LEDs
- **Aux 24V DC** output for volume controller overriding during testing mode
- **RS485** data port for remote triggering by **PMX III** via iPX5500 comm box

Technical Specifications

	LS4808	LS4816
Operating voltage	24V DC via PS9400	
Power consumption	3.8W	4.9W
Capacity	8	16
Impedance detection range	10 to 10k Ohm	
Power measurement range	10 to 1000W 100V line	
Measurement accuracy	+/- 5% within range	
Pilot tone injection frequency	1 KHz	
Pilot tone signal output level	5V sine	
Monitor triggering	Auto / remote trigger	
Transmitted detection period	0.5 seconds per channel (max)	
Detection interval	User preset from 1 min to 48 hours	
Sensitivity setting	User preset at each channel	
Indicators + LED	Normal, Fault, Buzzer, Auto run	
Display LCD	2 x 16 characters w back light	
Audible output signal	Continuous buzzer with OFF option	
Dry contact setting	3A	
DC output in detection mode	24V DC for individual channel	
Data interface	RS485 : 19.2 kbps	
Dimensions (W x H x D)	482 x 44 x 180 mm	482 x 88 x 180 mm
Weight	2.15 kg	3.25 kg



Packing Information

Carton size : LS4808 - 555 (L) x 295 (W) x 95 (H) mm
: LS4816 - 555 (L) x 295 (W) x 165 (H) mm

Gross weight : LS4808 - 2.75 kg
: LS4816 - 4.00 kg

1 unit per carton

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

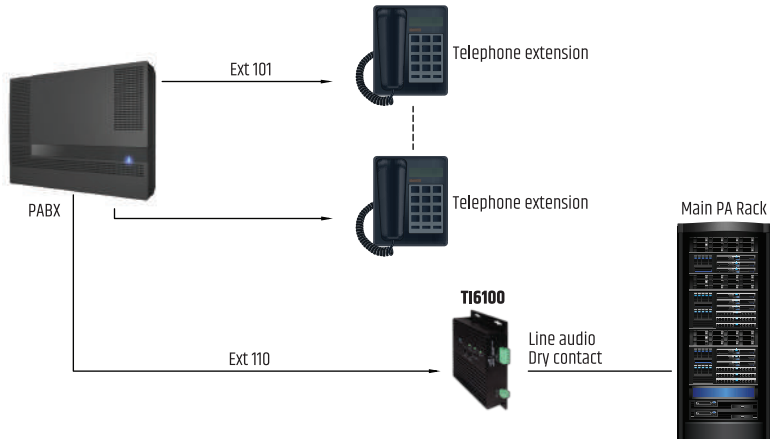
Technical Specifications

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



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