

## Description

The 1544BAS is a backup amplifier switching module capable of switching up to four (4) loudspeaker loads from a primary power amplifier to a secondary amplifier when a failure is detected. In stand-alone mode, logic outputs from the primary amplifier are used to trigger the switching of each individual channel to the backup amplifier. In network control mode, switching is determined by the IED GLOBALCOM system supervision sub-system. In network control mode, multiple 1544BAS units can be used to switch multiple primary amplifiers to a single backup amplifier unit. When used in this manner, all switching logic is accomplished through network commands and the logic inputs are not used.

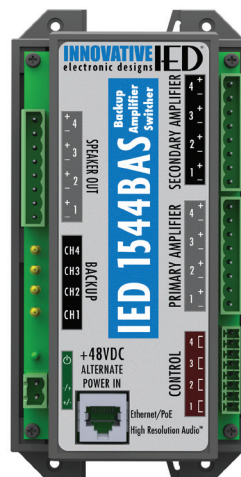
The 1544BAS is powered using standard Power Over Ethernet (PoE) and draws a maximum power of 4 watts. If PoE equipment is not used or the unit is used in stand-alone mode, an input is provided for an optional 48VDC alternate power supply. A green LED indicator illuminates to show that the unit is powered on. Each channel has a yellow LED indicator that illuminates when the channel is switched to the backup amplifier input.

When not in network control mode, each channel can be switched to the backup using a contact closure on the corresponding logic input.

The 1544BAS is provided in an enclosure that either mounts to a DIN rail or is screwed down on a panel or wall to allow for convenient installation close to the amplifiers in the equipment rack.

## Features

- 4 channels of backup amplifier switching
- Multiple units gang to a single backup amplifier when used with the GLOBALCOM system
- Control and configure using a web browser and GLOBALCOM System Management Center
- Fully integrated with the IED GLOBALCOM vACS
- IEEE 802.3af Power over Ethernet (PoE)
- Removable connectors for easy installation
- Rugged DIN-rail or panel/wall mount enclosure



## Specifications

### Part Number

IED1544BAS

### Electrical

Relay Contacts (4)	
Contact Form	DPDT (Form C)
Max Voltage	250VAC
Max Current	8 Amps
Max Power Amplifier Rating (each channel)	500 Watts

### Power Requirements

Input Voltage	48VDC (PoE Compliant with IEEE 802.3af)
Power	4 Watts max
Optional 48VDC Alternate Power Input Voltage	40 - 50VDC

### Indicators

Power LED	1 (Green)
Backup Status LED	4 (Yellow)

### Connectors

Loudspeaker Output (1)	8-pin Phoenix, 5.08 mm spacing
Primary/Secondary Inputs (2)	8-pin Phoenix, 5.08 mm spacing
Control Logic Input (1)	8-pin Phoenix, 3.81 mm spacing
Ethernet/PoE (1)	RJ-45 (Cat 5e or higher, 100BaseTX cable)
48VDC Alternate Power Input (1)	2-pin Phoenix, 5.08 mm spacing

### Mechanical

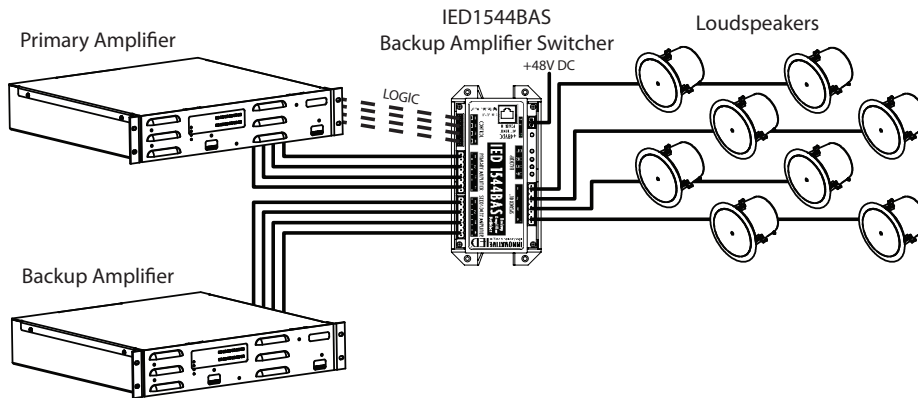
Height	7.01" (17.81 cm)
Width	3.50" (8.90 cm)
Depth	2.00" (5.08 cm)
Weight	9.6 oz (272 g)

### Environmental

Operating Temperature Range	-22 °F – +149 °F (-30 °C – +65 °C)
-----------------------------	------------------------------------

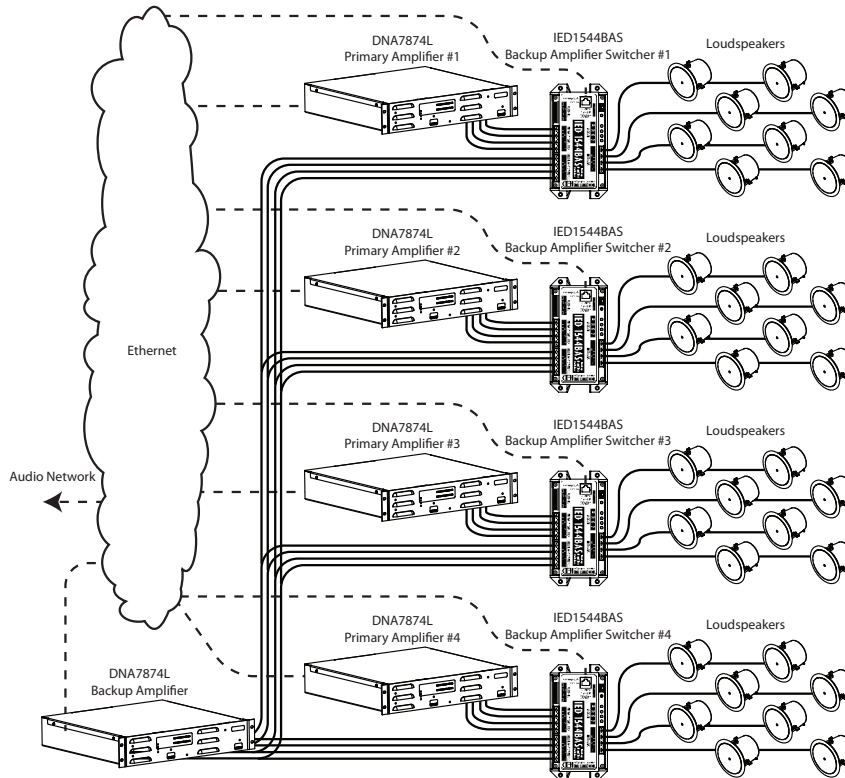
## 1544BAS Application Using Logic Inputs (Stand-Alone Amplifiers)

The figure below is an example of a 1-for-1 backup of amplifier channels without network control.

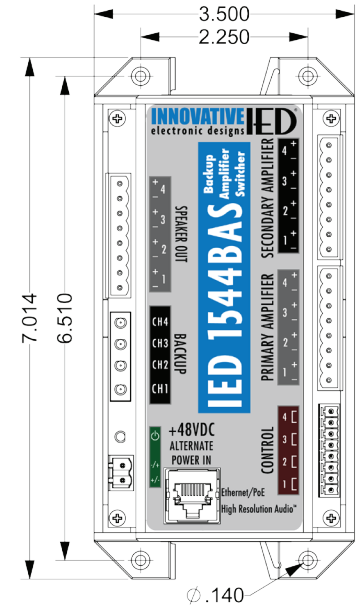


## 1544BAS Application Using Network Communications

The figure below is an example of backup of 1-for-4 amplifiers channels using network control.



## Product Dimensions (Front)



## Product Dimensions (Side)

