

ALGO



Paging Adapter Amplifier Integration Guide

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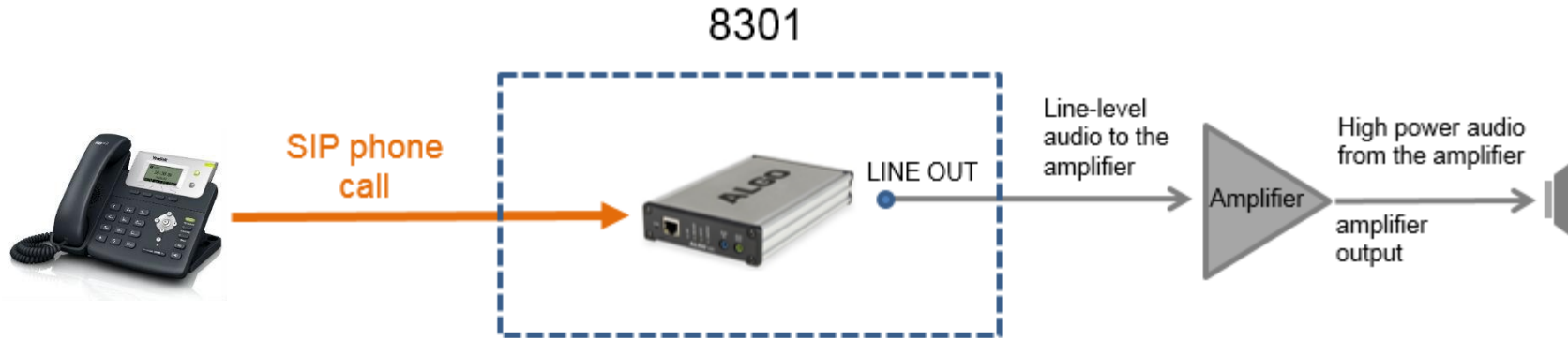
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Paging Adapter Hardware Interface



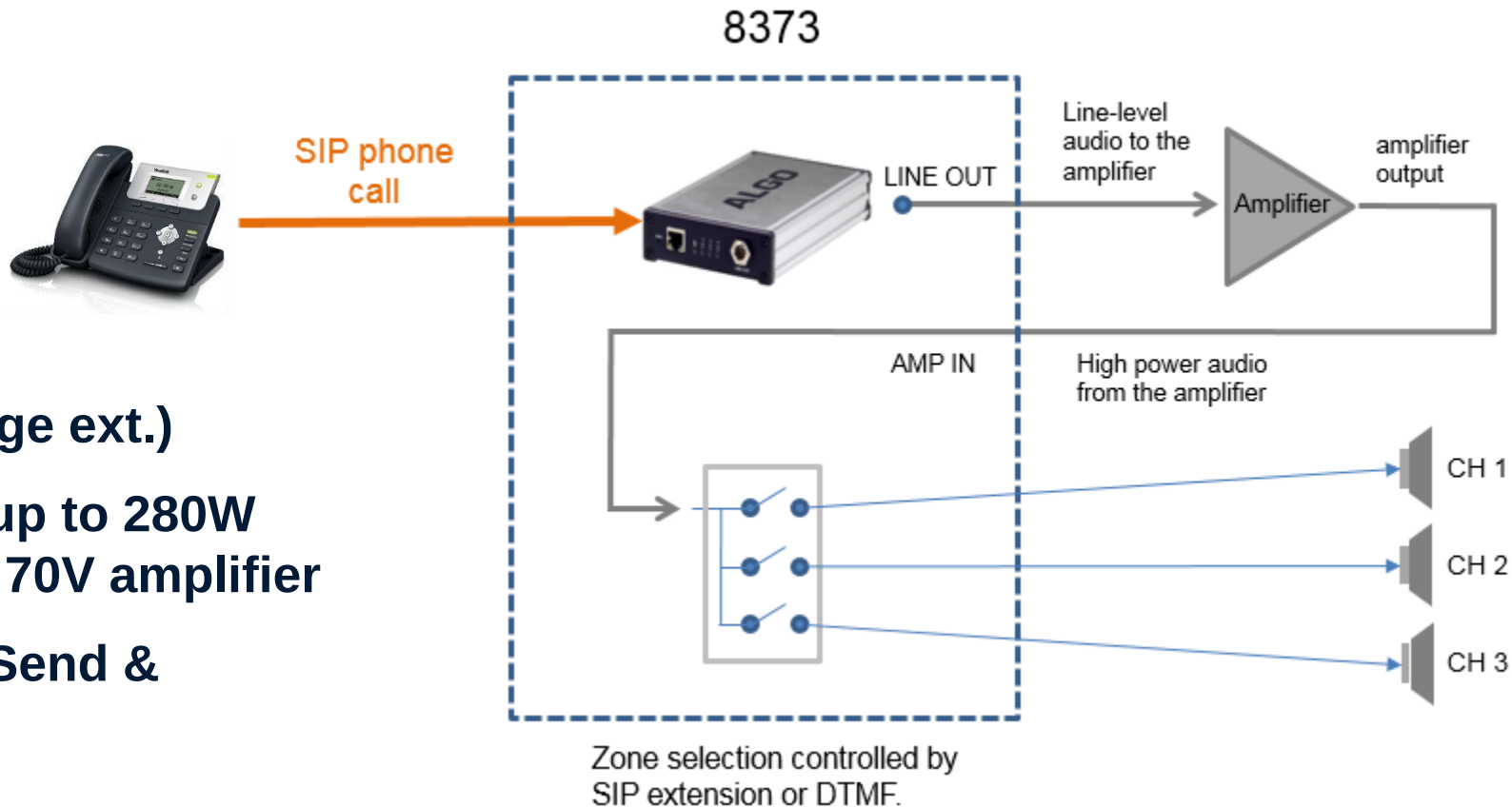
- SIP (50 Page ext., 10 Emergency Alert ext. & 10 Ring ext.)
- Multicast Send & Receive
- Scheduler for Automated Tones & Announcements
- 1GB Memory



Front View



Rear View

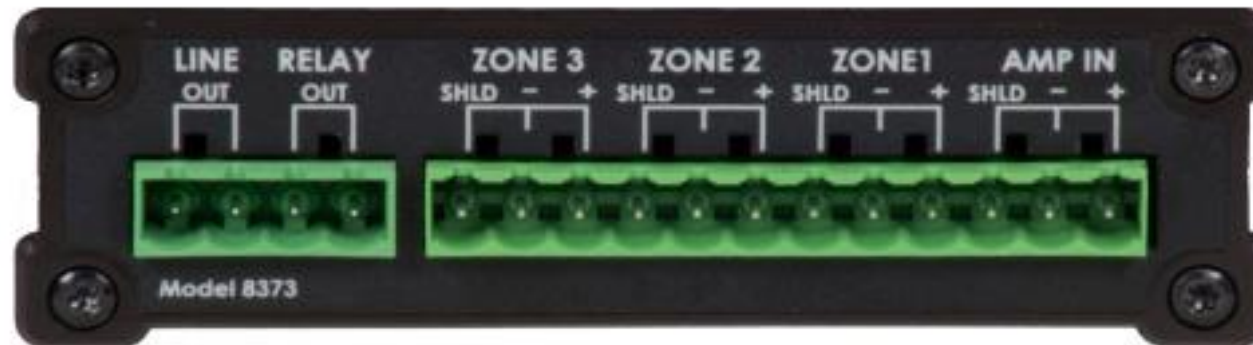


- SIP (50 Page ext.)
- Switches up to 280W using one 70V amplifier
- Multicast Send & Receive

8373 Zone Paging Adapter



Front View

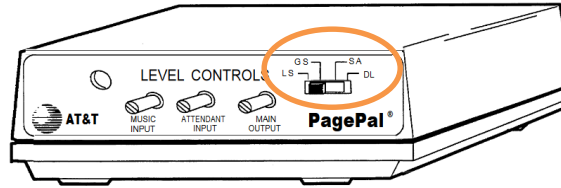
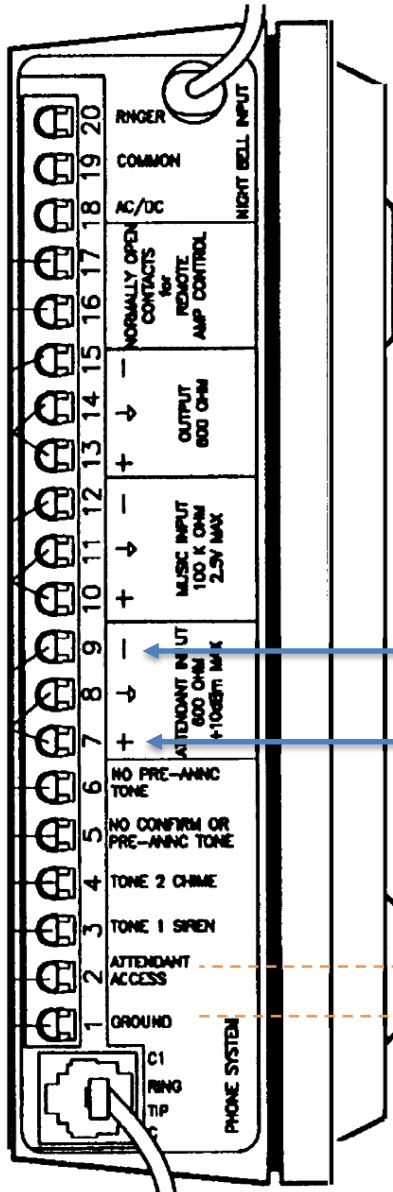


Rear View

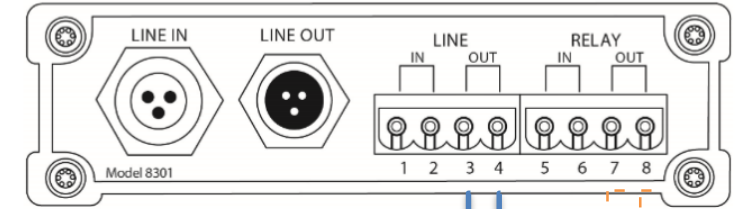


Paging Amplifier Wiring Diagrams

8301 Installation Example with AT&T/Lucent PagePal

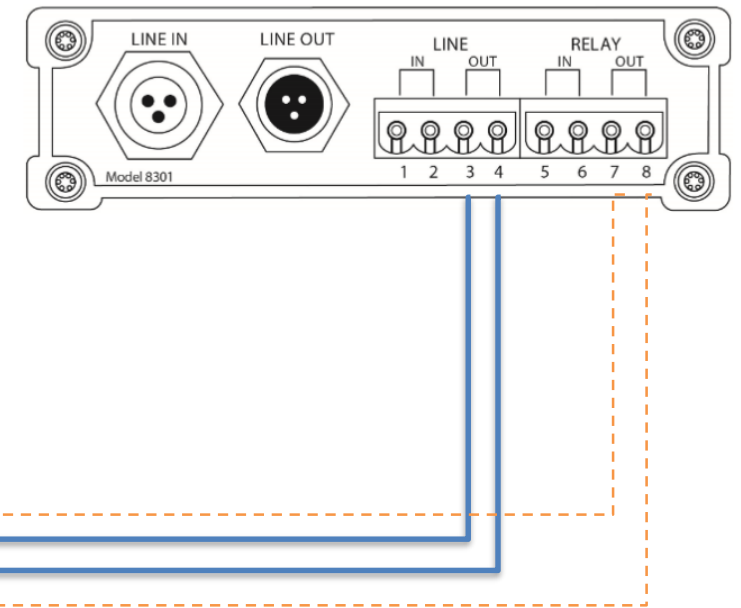
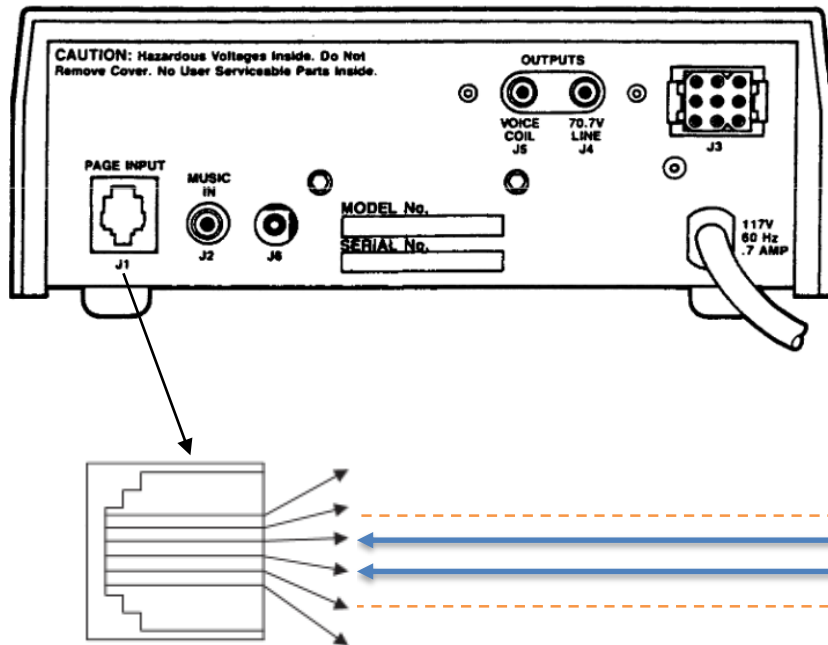


Set the PagePal to DL (Dry Loop) mode using the switch in the front



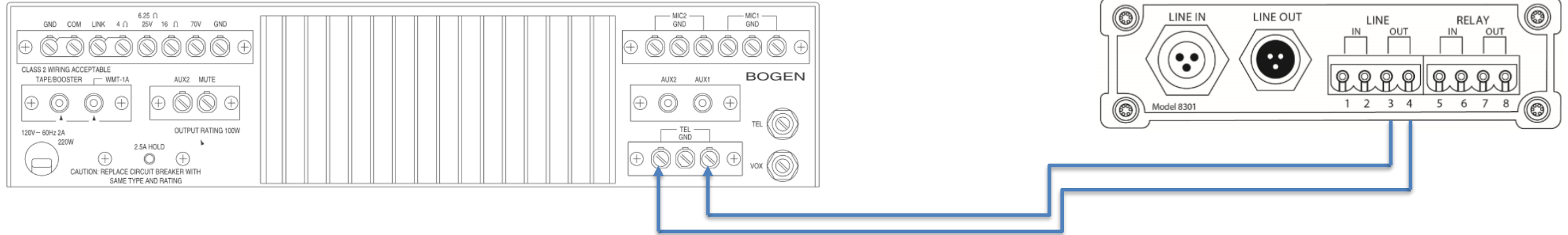
On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

8301 Installation Example with AT&T PagePac 20 PowerMate

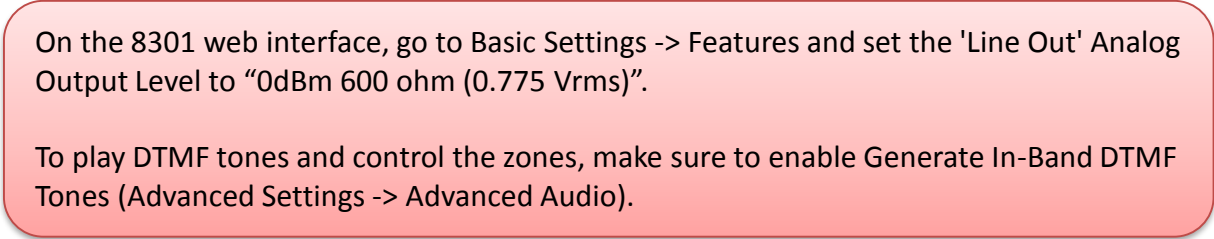


On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

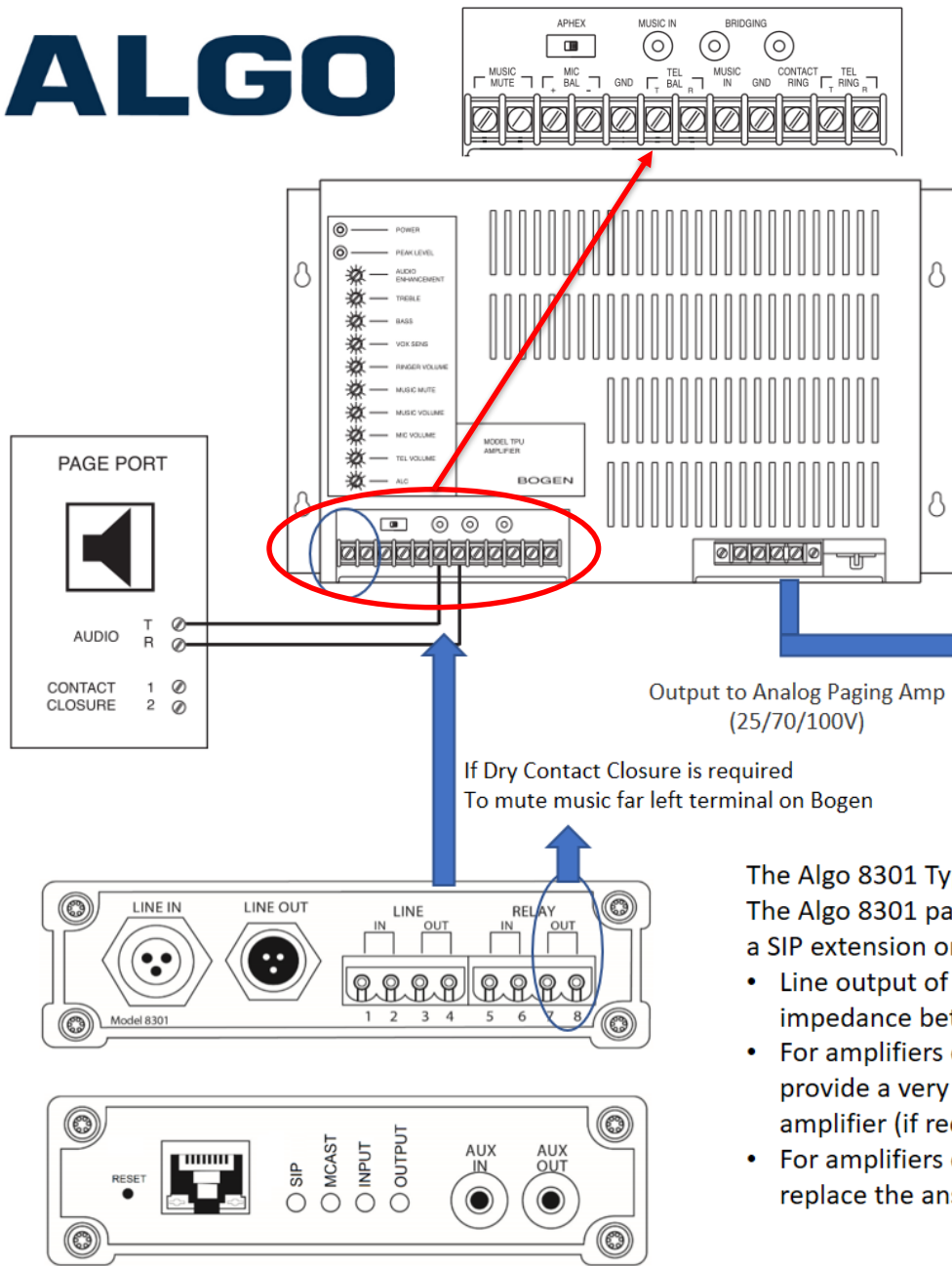
8301 Installation Example with Bogen C35/C60/C100



On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".



8301 Installation Example with Bogen TPU-35/60/100/250



The Bogen Amp

Dedicated audio output available standard on most telephone systems

- Can be connected directly to the input of most amplifiers
- Traditionally, a 600-ohm dry audio signal and a normally open control contact closure
- Control contacts, if available, activate during a page and typically control the muting of background music

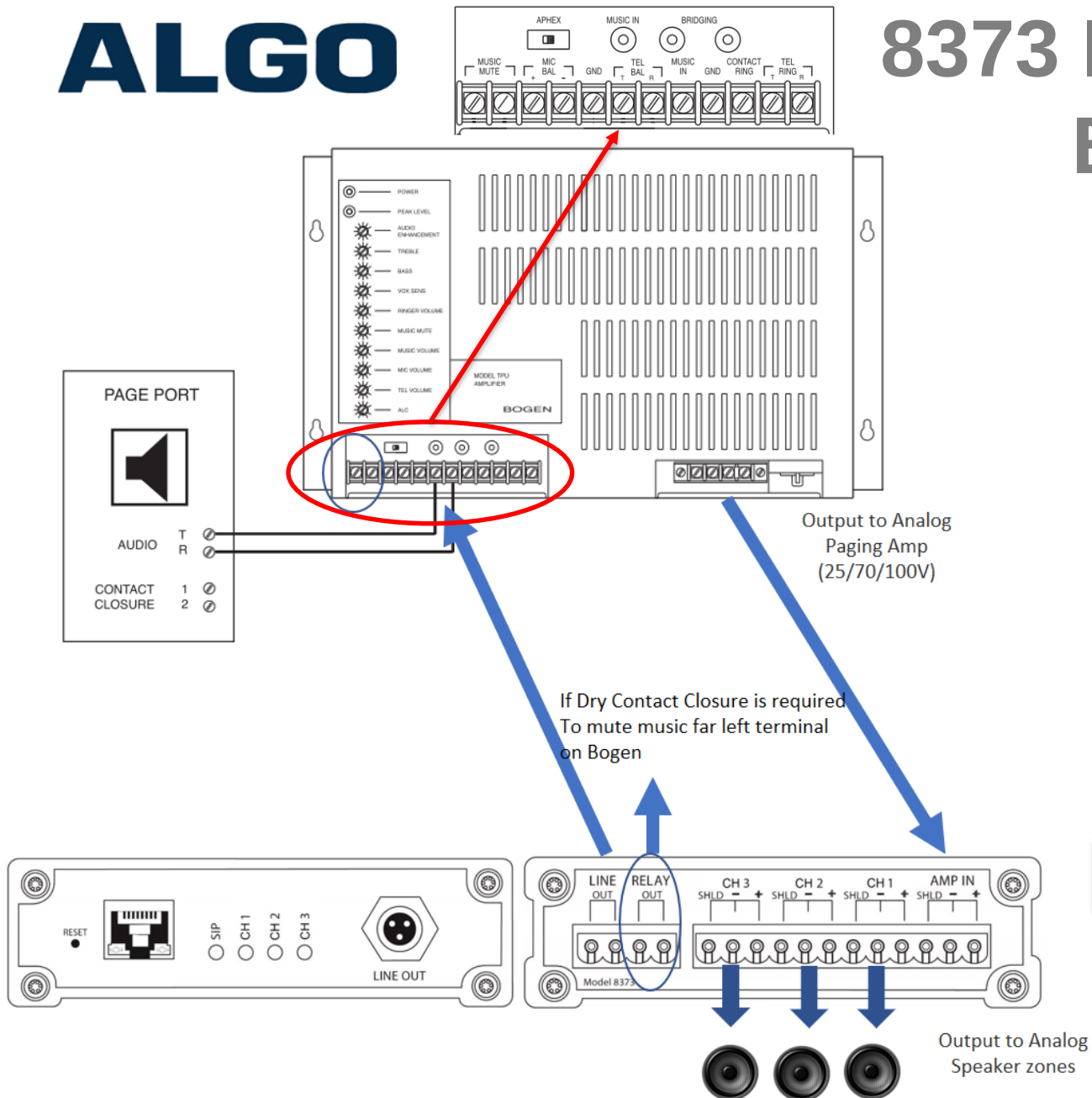
On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

The Algo 8301 Typical application:

The Algo 8301 paging adapter and scheduler is used to connect an existing amplifier to UC environment as a SIP extension or a multicast endpoint

- Line output of the 8301 is connected directly to the dry audio input of the amplifier with input impedance between 600 Ohm and 10 kOhm
- For amplifiers connected directly to the dry page port of an existing telephone system, the 8301 will provide a very similar interface providing both dry page audio and dry contact closure to activate the amplifier (if required).
- For amplifiers connected to a FXS port or ATA through a "telephone answering device" the 8301 will replace the answering device and eliminate the need for a FXS port or ATA.

8373 Installation Example with Bogen TPU-35/60/100/250



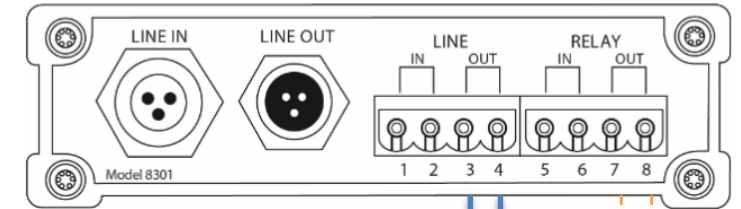
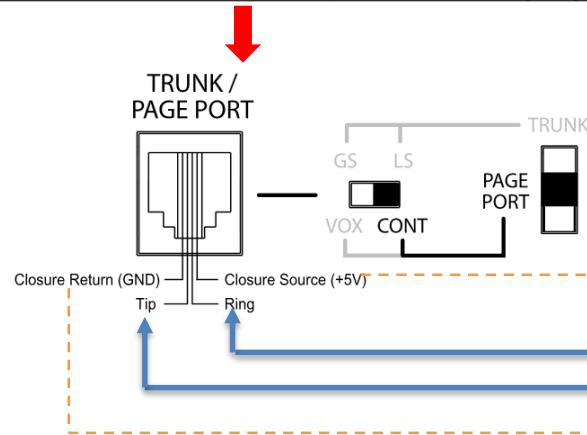
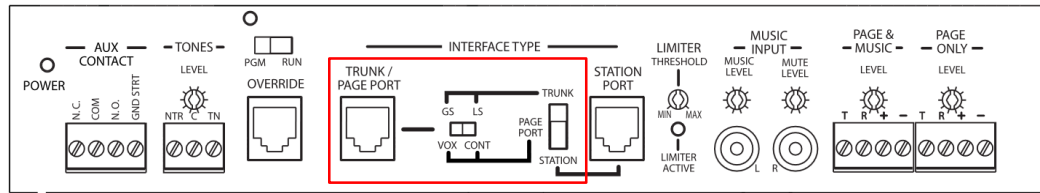
The 8373 is designed to provide a Line Out for audio to a traditional amplifier.

Loop the power of the amplifier into the 8373 to switch up to 280w into 1-3 audio channels.

The speaker runs will be connected to the channel outputs on the 8373.

On the 8373 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

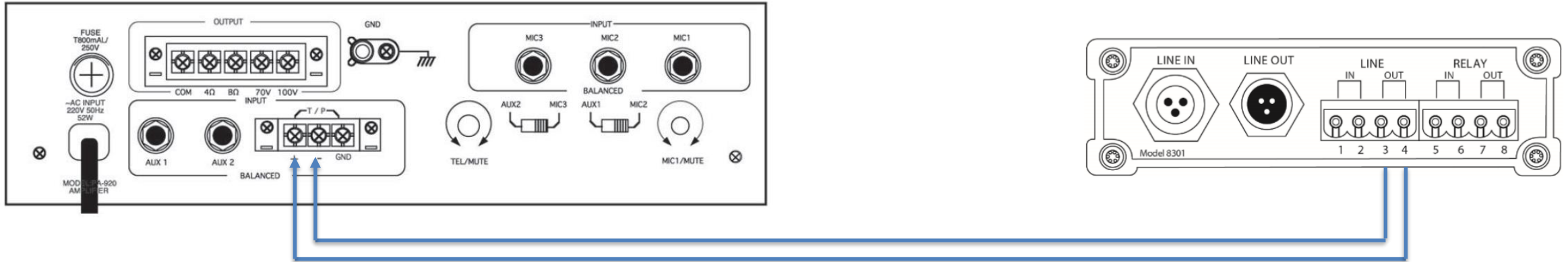
8301 Installation Example with Bogen UTI1



Set the horizontal switch to "CONT" and the vertical to "Page Port"

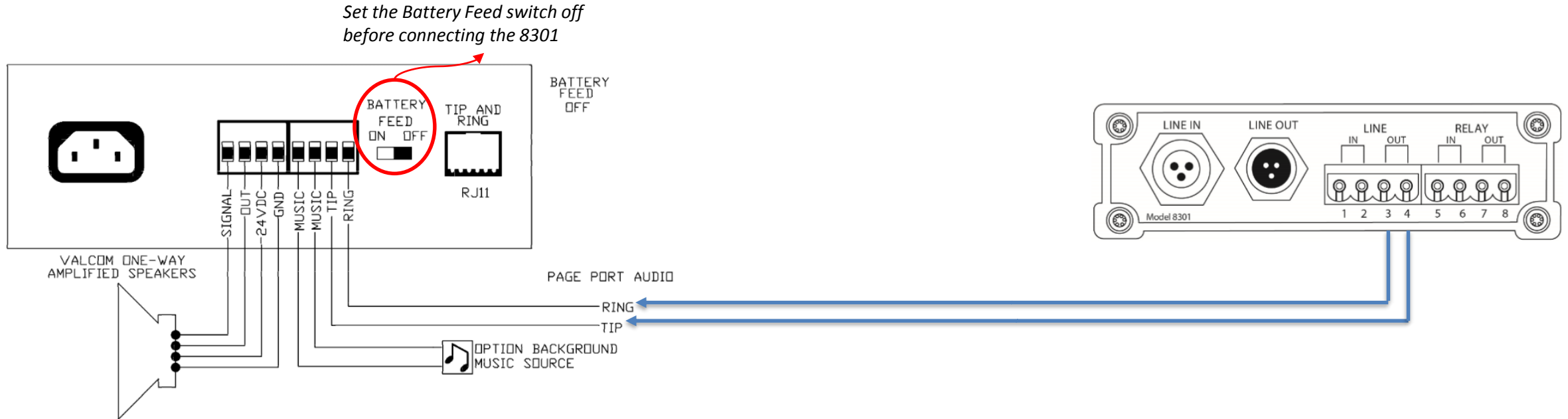
On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

8301 Installation Example with Inter-M PA-920/935



On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

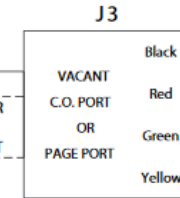
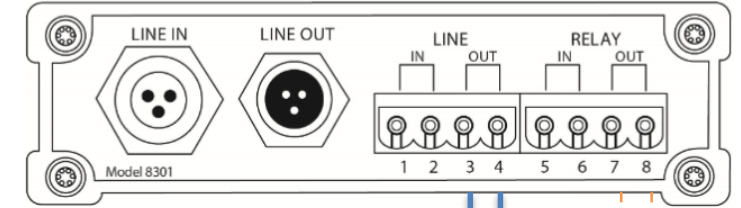
8301 Installation Example with Valcom V-2000a



On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to “-10dBm 600 ohm (0.245 Vrms)”.

8301 Installation Example with Valcom V-2001a

SW1 Off for Page Port Access



CAUTION:

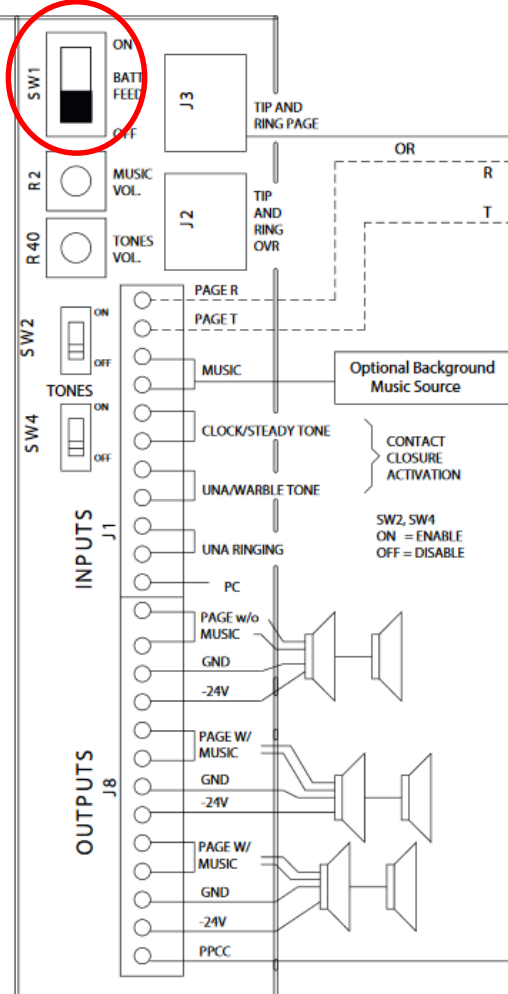
VORSICHT:

DANGER:

PELIGRO:

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

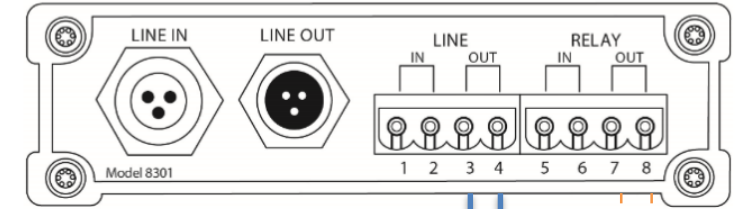
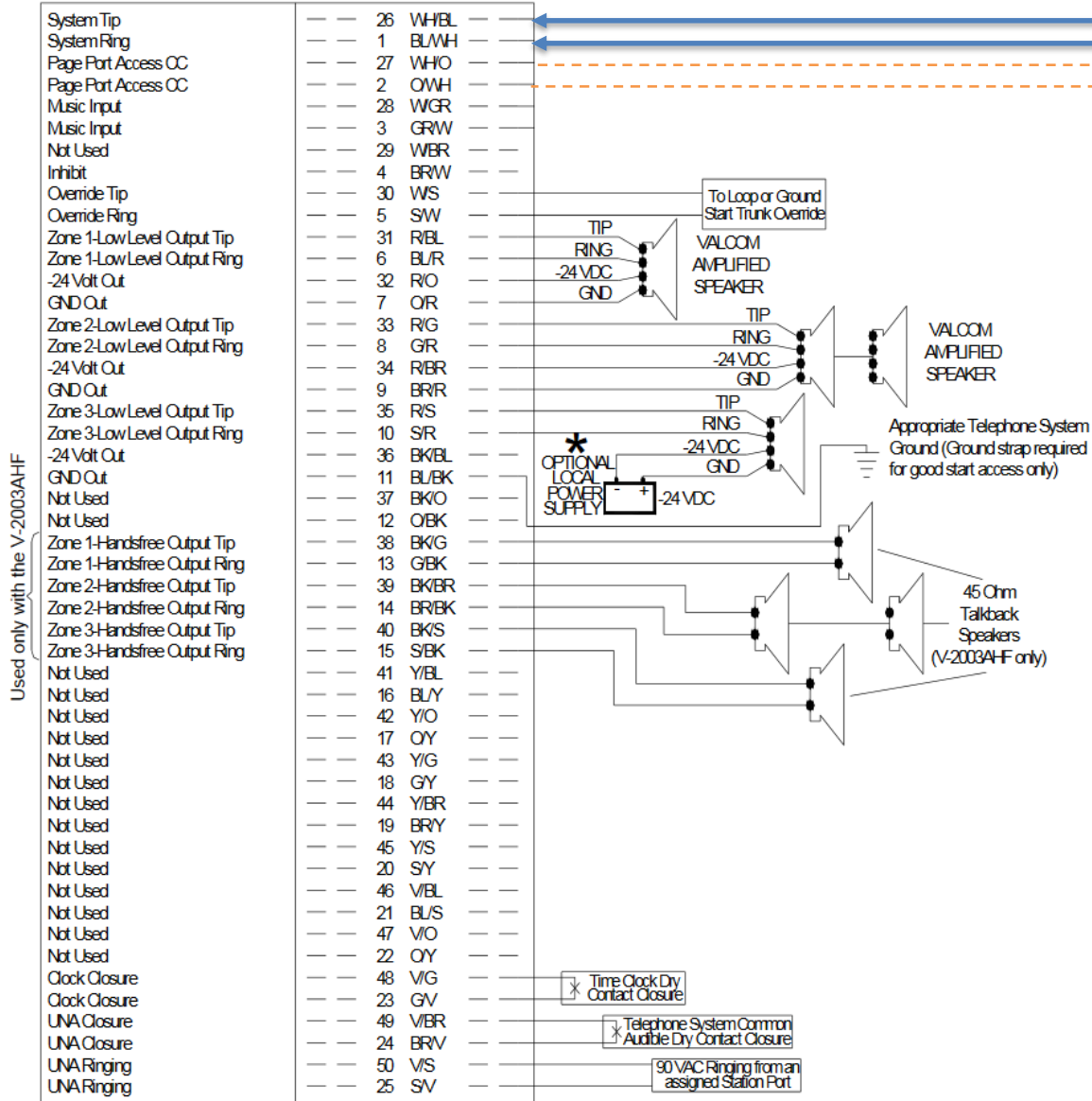
VALCOM
V-2001A



The 8301 Line Out (terminal 3 and 4) connects to either the Tip and J3) using an RJ11 modular connector or the Page T and Page R inputs on the Valcom V-2001A Amplifier via a 2-wire connection to the terminal strip.

On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "-10dBm 600 ohm (0.245 Vrms)".

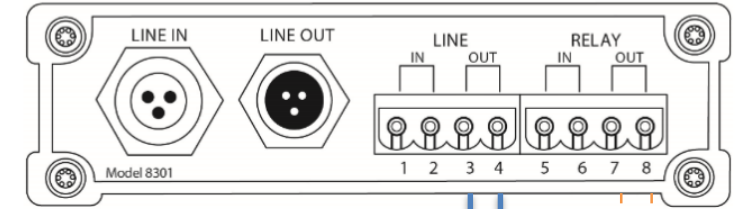
8301 Installation Example with Valcom V-2003a



On the Valcom V2003a switch SW3, set 4, 7 and 10 to the off position (up position). Also set SW2 to off position.

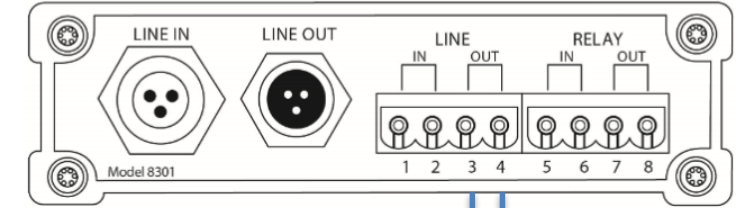
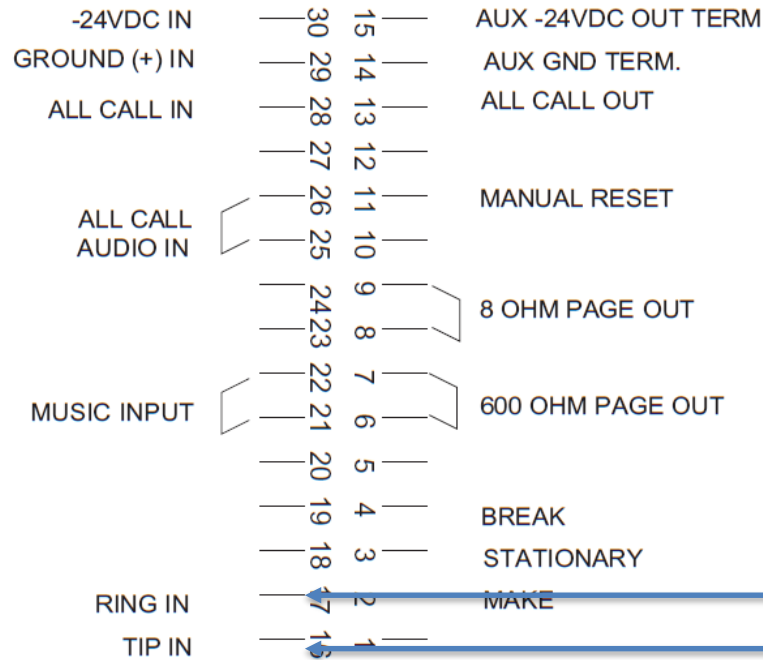
On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "-10dBm 600 ohm (0.245 Vrms)".

To play DTMF tones and control the zones, make sure to enable Generate In-Band DTMF Tones (Advanced Settings -> Advanced Audio).



To play DTMF tones and control the zones, make sure to enable Generate In-Band DTMF Tones (Advanced Settings -> Advanced Audio).

8301 Installation Example with Valcom V-9940



Ensure that only DIP Switches 1 and 8 are ON. If the device is not working try turning DIP Switch 1 OFF.

On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "-20dBm 600 ohm (0.077 Vrms)".

SW	OFF	ON
1	Audio Sense Enable	Time Out Enable
2	Not 1 Sec.	1 Second
3	Not 64 Sec.	64 Seconds
4	Not 32 Sec.	32 Seconds
5	Not 16 Sec.	16 Seconds
6	Not 8 Sec.	8 Seconds
7	Not 4 Sec.	4 Seconds
8	Loop Detect Disable	Loop Detect Enable

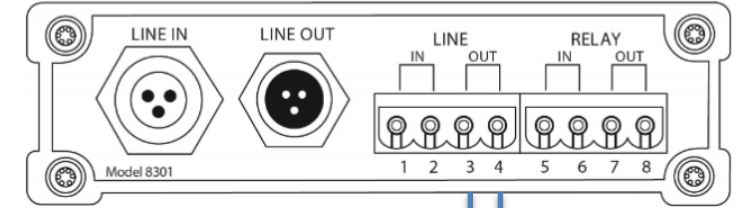
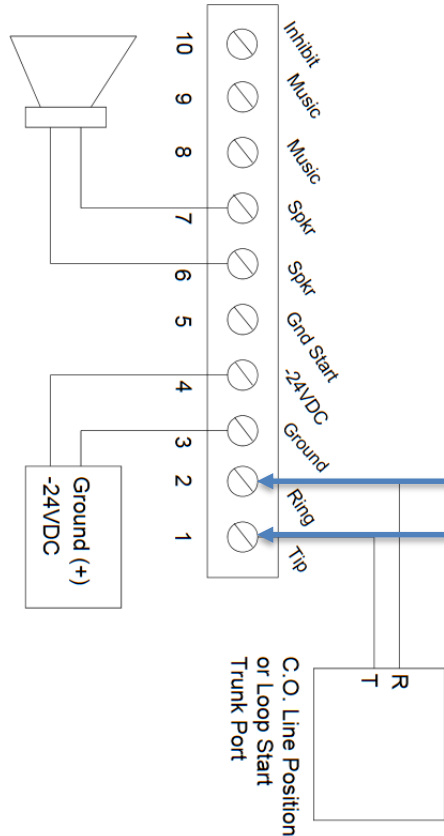
1 2 3 4 5 6 7 8

ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

OFF ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

8301 Installation Example with Valcom V-9941A

45 Ohm Talkback Speaker



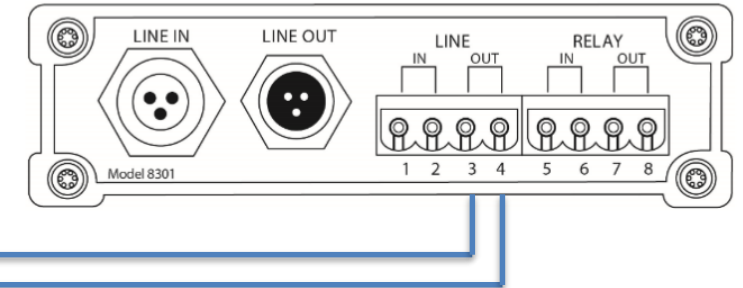
Note there will be no talk back from the Valcom speakers.

On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

8301 Installation Example with Valcom V-1109RTVA

V-1109RTVA
CONNECTING BLOCK

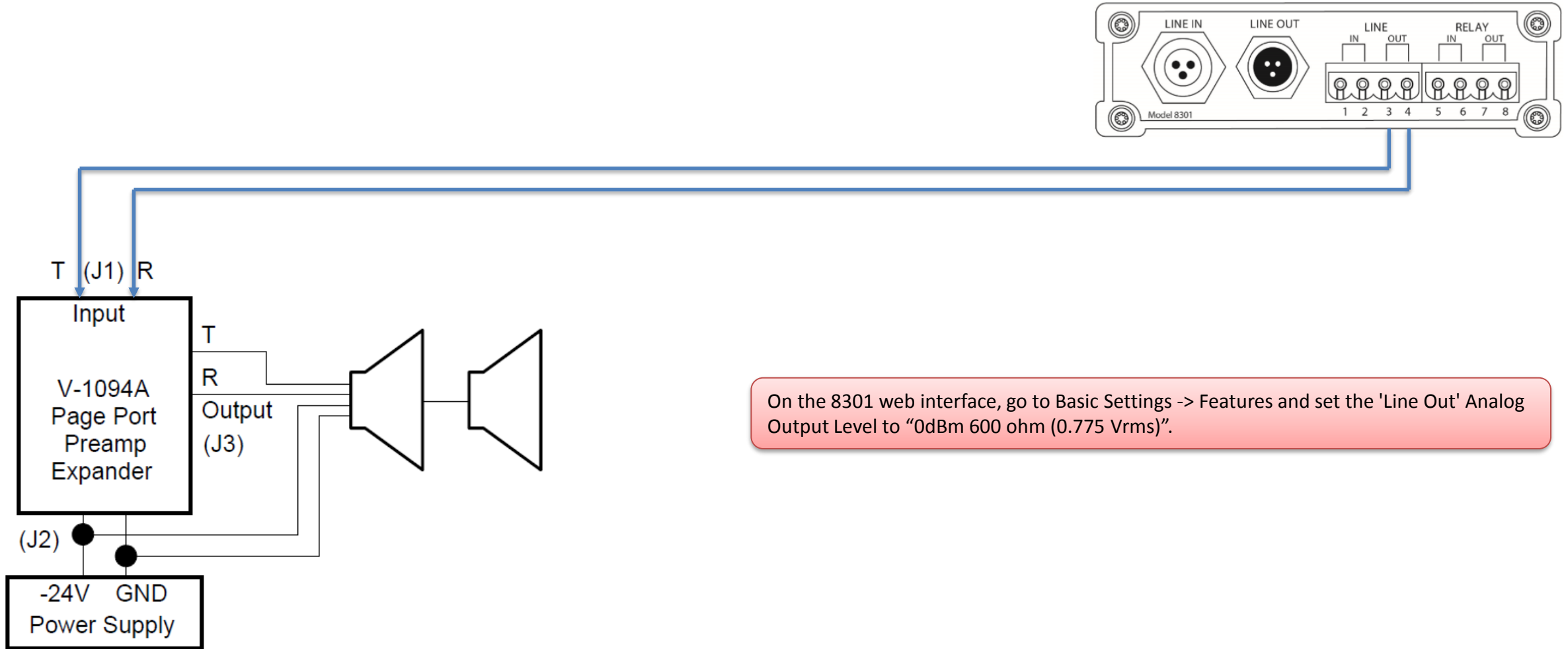
	A	B	C	D	E	F
TIP	26	1	W-BL			
RING	27	2	BL-W			
LS	28	3	W-O			
LAMP	29	4	O-W			
LG	30	5	W-GR			
PC	31	6	GR-W			
STA 1	32	7	W-BR			
STA 2	33	8	BR-W			
STA 3	34	9	W-S			
STA 4	35	10	S-W			
STA 5	36	11	R-BL			
STA 6	37	12	BL-R			
STA 7	38	13	R-O			
STA 8	39	14	O-R			
STA 9			R-G			
			G-R			
			R-BR			
			BR-R			
			R-S			
			S-R			
			BK-BL			
			BL-BK			
			BK-O			
			O-BK			
INH			BK-G			
			G-BK			
RET			BK-BR			



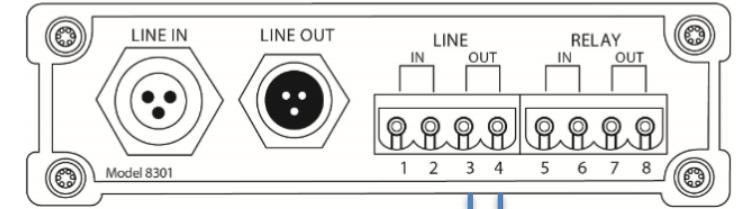
On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

To play DTMF tones and control the zones, make sure to enable Generate In-Band DTMF Tones (Advanced Settings -> Advanced Audio).

8301 Installation Example with Valcom V-1094A



8301 Installation Example with Valcom V-2924A



Block P7 - System Inputs

26	W/BL	Tip - Attendant Tel	Group 1
1	BL/W	Ring - Attendant Tel	
27	W/O	Common Audible C.C.	
2	O/W	Common Audible C.C.	
28	W/GR	BGM Input	
3	GR/W	BGM Input	
29	W/BR	Riot Mode	Group 2
4	BR/W	Riot Mode	
30	W/S	External Tone - Tip	
5	S/W	External Tone - Ring	
31	R/BL	Clock Activate	
6	BL/R	Clock Activate	
32	R/O	Clock Enable C. C.	
7	O/R	Clock Enable C. C.	
33	R/G	Emergency Activate	
8	G/R	Emergency Activate	
34	R/BR	Emergency Enable C. C.	
9	BR/R	Emergency Enable C. C.	
35	R/S	Override Page Port - Tip	
10	S/R	Override Page Port - Ring	
36	BK/BL	Dry Priority Activate	
11	BL/BK	Dry Priority Activate	
37	BK/O	Inhibit	
12	O/BK	Inhibit GND	

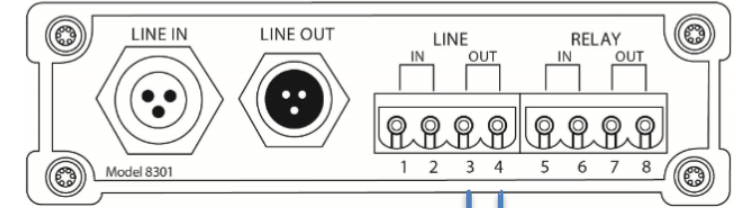
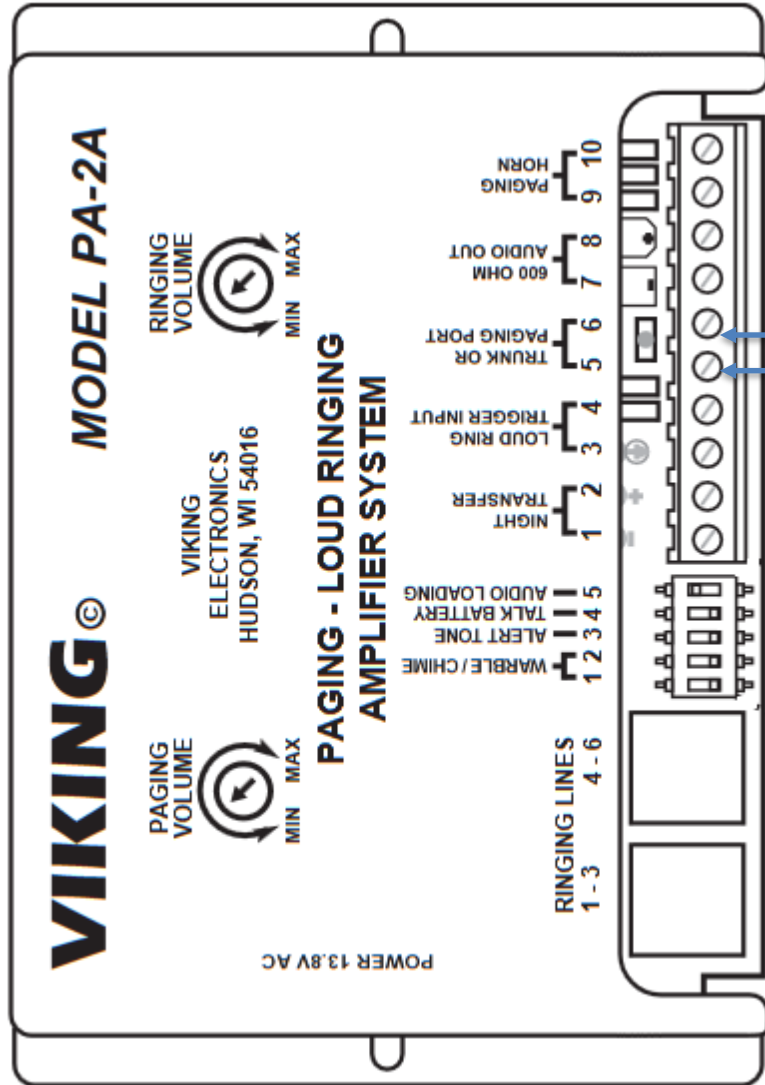
Set the Battery Feed switch (SW4) to off for Page Port access.

Note there will be no talkback via the Valcom V-2924A

On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "-10dBm 600 ohm (0.245 Vrms)"..

To play DTMF tones and control the zones, make sure to enable Generate In-Band DTMF Tones (Advanced Settings -> Advanced Audio).

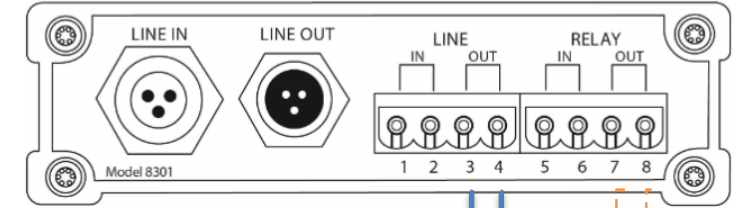
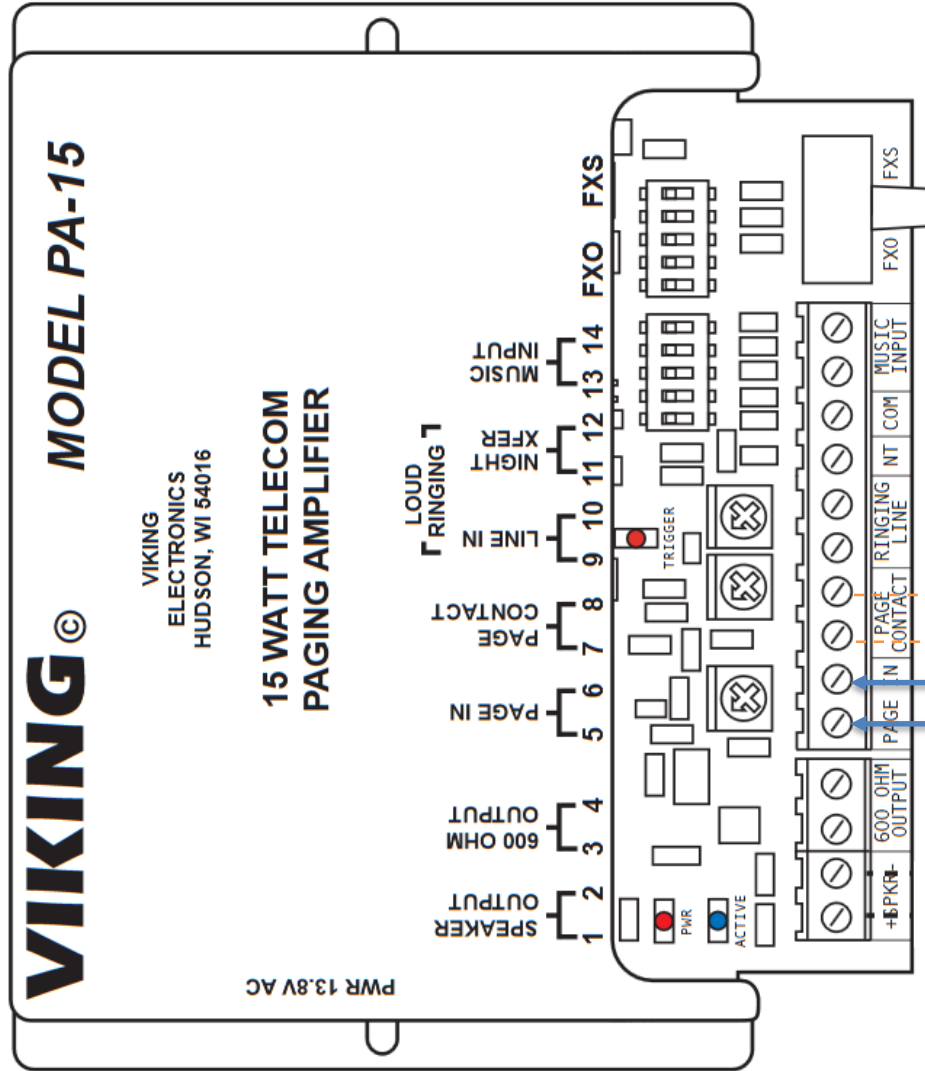
8301 Installation Example with Viking PA-2A



Set DIP switch #4 for TALK BATTERY to the OFF position on the PA-2A to prevent damaging the SIP Paging Adapter.

On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

8301 Installation Example with Viking PA-15



On the 8301 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to "0dBm 600 ohm (0.775 Vrms)".

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Please contact us if there are additional amplifier models you wish to see included in this guide.



Support (604) 454-3792
support@algosolutions.com