Paging Adapter Amplifier Integration Guide

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Paging Adapter
Hardware Interface
8301 Paging Adapter & Scheduler

- SIP (50 Page ext., 10 Emergency Alert ext. & 10 Ring ext.)
- Multicast Send & Receive
- Scheduler for Automated Tones & Announcements
- 1GB Memory
➢ SIP (50 Page ext.)
➢ Switches up to 280W using one 70V amplifier
➢ Multicast Send & Receive
8373 Zone Paging Adapter

Front View

Rear View
Hybrid IP & Analog Infrastructure Integration

- Analog Amplifier & Speakers
- Simultaneous Line Level Output to Amplifier
- SIP Call
- Simultaneous Multicast To Speakers, Strobes & Phones
Paging Amplifier Wiring Diagrams
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)".

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 Bogen TPU-35/60/100/250

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”.

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

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.
On the 8373 web interface, go to Basic Settings -> Features and set the 'Line Out' Analog Output Level to “-10dBm 600 ohm (0.245 Vrms)”. 

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.
Before connecting, power off PCM2000 system. Set the dip switch as demonstrated above (CC switch down and P/P switch middle).

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).
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-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)".
On the Valcom V2003a, set the dip switch SW3. Set 10, 7, 4 in the off position (up position). SW2 in the 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).
Set the Battery Feed switch to off for Page Port access on the V2006a.

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).
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)”.

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 “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).
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-1094A
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).

Set the he Battery Feed switch to off.

Note there will be no talkback via the Valcom V-2924A
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-2A
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)".
Please contact us if there are additional amplifier models you wish to see included in this guide.

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