



Series 3000

**4 Channel
2 Zone
Integrated
Amplifier
with VOX
MOH**

Description & Applications

- ❑ **4 Channel Inputs**
2 Zone Outputs
- ❑ **Wide Frequency Response**
Very Low Distortion
- ❑ **Balanced Microphone Input**
- ❑ **Phantom Power on MIC Input**
with Selector
- ❑ **Transformer Balanced**
Telephone Paging Input
- ❑ **Telephone Input Level Control**
- ❑ **Auxiliary Input**
With Stereo Summing
- ❑ **Auxiliary Input Attenuator**
- ❑ **Balanced Program Input**
- ❑ **Independent Input Controls**
Bass and Treble Controls
- ❑ **ADDRESSABLE VOX**
Voice Activated Muting
- ❑ **Direct Muting or Unmuting**
- ❑ **600 ohm and 8 ohm 1 Watt**
Music on Hold Amplifier
- ❑ **MOH Amplifier Source Selector**
- ❑ **Zone 2, 1 Watt - 8 ohm Output**
with Separate Control
- ❑ **AC Accessory Outlet**
- ❑ **8 ohm, 25 Volt & 70 Volt**
Output Impedance
- ❑ **Rack Mounting**
with Optional Kit

Specifications

Power Output:	30 Watt RMS
Distortion:	Less than 0.5% THD
Frequency Response:	20 - 20,000 Hz \pm 1 db
Inputs:	
Input 1	Microphone Balanced
Input 2	Telephone Transformer Balanced
Input 3	Auxiliary
Input 4	Program Balanced
Sensitivity & Z:	
Input 1	Mic=1 Mv - 250 ohm balanced
Input 2	Tel=100 Mv - 600 ohm balanced
Input 3	Aux=200 Mv - 47K ohm
Input 4	Prog.=1 Volt - 10K ohm balanced
Hum & Noise:	Mic -70 db, Aux/Pgm -75 db
Telephone Input:	600 ohm Transformer balanced
Music on Hold Output:	600 ohm-1 Volt Transf. balanced
Zone 2 Output:	1 Watt-8 ohm
Output Impedance:	8 ohm, 25 Volt and 70 Volt line
Controls:	
Front Panel:	MIC Volume, AUX Volume, PROG Volume, Bass, Treble
Rear Panel	PHONE Level, AUX Attenuator, MOH & ZONE 2 Level Control
Phantom Power:	On MIC Input w/internal jumper
MOH Source:	AUX or PROG w/internal jumper
Tone Control Action:	+/-10 db at 100 Hz and 10 K Hz
VOX:	Voice Activated Muting MIC/PHONE mutes AUX/PROG MIC/TEL Mutes AUX/PROG MICROPHONE Input
Direct Muting:	Optional Rack Kit
Muting/Unmuting:	
Rack Mounting:	117 Volt, 50-60 Hz
Power Requirement:	AC=600 VA
Power Consumption:	500 W Max. Unswitched
AC Accessory Outlet:	Screw Terminals, RCA Jacks
Terminations:	
Housing Finish:	Black
Dimensions:	10.5"W., 9.5"D., 3.5"H. (267X242X89 mm)
Net Weight:	11 Lbs (5.0 Kg)



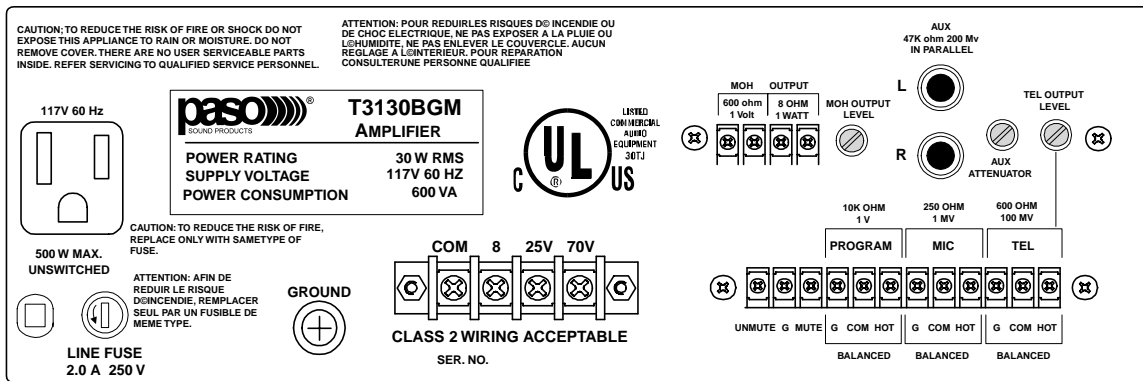
T3130BGM

T3130BGM

REV 1.5

Form ED 269

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Rear Panel View

INPUT 1

Microphone Input

Low Impedance Microphone Input. Impedance is 250 ohm balanced and this input can be muted or unmuted (see Muting/Unmuting function).

INPUT 2

Telephone Paging Input

Input 2 provides Telephone Paging Interface. Input Impedance is 600 ohm Transformer balanced. A rear panel Output Level Control is provided..

INPUT 3

Auxiliary Input

Input 3 can be AUX, CD or SATELLITE RECEIVER Input. The AUX Input impedance is 47K ohm unbalanced.

INPUT 3 ATTENUATOR

A rear panel Variable Attenuator is provided to set the Sensitivity Threshold of this input. By adjusting the Attenuator the sensitivity may be changed from 100 Mv to 5 Volt.

STEREO SUMMING - Two separate RCA Jacks are provided for Input 3 (Left and Right). A Stereo signal connected to either Input is buffered and internally summed to Mono.

INPUT 4

Program Input

Balanced Program Input may be used as a Satellite Receiver Input, Message Repeater Input or Line Input.

CONTROLS

Front Panel Controls - Microphone, Auxiliary, Program, Bass and Treble

Rear Panel Controls - Telephone Output Level, AUX Attenuator and MOH/ZONE 2 Output Level.

Architects' and Engineers' Specifications

The integrated amplifier shall be a 4 Input Channel, 2 Output Zone voltage and power mixer amplifier. The power output shall be 30 watt RMS. The frequency response shall be 20 to 20,000 Hz +/- 1 db and the THD shall be better than 0.5%. INPUT 1 shall be a balanced Microphone input. INPUT 2 shall be a Transformer Balanced Telephone input. INPUT 3 shall be an unbalanced Auxiliary Input with a variable Sensitivity Attenuator. INPUT 4 shall be a balanced Program Input. Stereo Signal Summing shall be provided on Input 3. A VOX - Voice Activated Muting shall be provided activated by Input 1 and 2. Direct Mute/Unmute terminals are provided to mute/unmute Input 1, 3/4. MOH - Music on Hold Output shall provide a 600-ohm, 1 Volt Transformer balanced output for Music/Message on Hold Output with level control. Zone 2 shall provide a 1 Watt, 8 ohm Output with level control. The speaker output shall be 8 ohm and 25 Volt and 70.7 Volt lines. Front panel Level Controls for Input 1, 3, and 4 shall be provided. Independent Bass and Treble controls shall also be provided. Rear panel controls shall be for Telephone Paging Level, Auxiliary Input Attenuator and MOH/ZONE 2 Output Level. The amplifier shall operate on 117 Volts 60 Hz . Power Consumption shall be 600 VA. Dimensions shall be 10.5" Wide, 9.5" Deep, 3.5" High (267X242X89 mm). The net weight shall be 11 lbs. (5.0 Kg). Finish shall be black. The amplifier shall be rack mountable by using the optional rack mounting kit. The Paso model T3130BGM is specified.

VOX - Voice Activated Muting - The VOX Muting System is activated by the Microphone Input or the Telephone Input and mutes the AUX and PROGRAM Inputs.

ADDRESSABLE VOX - The AUX INPUT and the PROGRAM INPUT may be Muted or not Muted by internal Jumper. If the MUTE is ON (can be selected independently for AUX and PROGRAM) a Page from the Microphone or Telephone will mute either the AUX or the PROGRAM INPUT or both.

DIRECT UNMUTING - The MICROPHONE Input can be set to be normally MUTED (by internal jumper) until activated by contact closure of the UNMUTE and G Terminals.

MUSIC ON HOLD OUTPUT - Provides a 1 Volt, 600 ohm, Transformer balanced output for Music/Message on Hold. Internal jumper selects the source from either Aux Input or Program Input. Level Control is provided. Not affected by paging or muting.

ZONE 2 OUTPUT - Provides a 1 Watt, 8 ohm output for Zone 2 Speaker Output. Internal jumper selects the source from either Aux Input or Program Input. Level Control is provided. Not affected by paging or muting.

AC ACCESSORY OUTLET - 500 Watt unswitched.

ACCESSORIES

27/3500 - Standard 19" Rack Mounting Kit. Complete with hardware. Black Finish. Occupies two units of vertical rack space.

27/3503 - Wall Mounting Kit. Allows the amplifier to be wall mounted or mounted on a convenient surface. Black Finish.



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