

Series 3000

5 Channel 2 Zone Integrated Amplifier with VOX MOH



Description & Applications

- ❑ 5 Channel Inputs
- 2 Zone Outputs
- ❑ Wide Frequency Response
- Very Low Distortion
- ❑ 4 Balanced Microphone Inputs
- ❑ Multi-Level Mic Inputs Priority
- ❑ Phantom Power on 4 MIC Inputs with Selector
- ❑ 600 ohm Balanced Telephone Paging Input
- ❑ EQ Link and Mix Buss
- ❑ Independent Auxiliary 1 Input
- ❑ Mic 4/Aux 2 Balanced Input
- ❑ Separate CD Player Input
- ❑ Independent Input Controls
- Bass and Treble Controls
- ❑ VOX - Voice Activated Muting
- ❑ Direct Precedence/Muting
- ❑ 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
- ❑ Thermally Activated Internal Fan
- ❑ Automatic Overload Protection
- ❑ High Reliability Operation
- ❑ Rack Mounting with Optional Kit

Specifications

Power Output:	120 Watt RMS
Distortion:	Less than 0.5% THD
Frequency Response:	20 - 20,000 Hz \pm 1 db
Inputs:	
Input 1	Bal. 250 ohm MIC 1/Phone-600 ohm
Input 2	250 ohm balanced MIC 2
Input 3	250 ohm balanced MIC 3
Input 4	Bal. 250 ohm MIC4/AUX 2-10 K ohm
Input 5	47 K ohm AUX 1/CD
Phantom Power:	MIC 1-2-3-4 with Selector (16VDC)
Sensitivity:	
Input 1	Mic=1.5 Mv/Tel=100 Mv
Input 2	Mic=1.5 Mv
Input 3	Mic=1.5 Mv
Input 4	Mic=1.5 Mv/Aux 2=1 Volt
Input 5	Aux 1=100 Mv/CD=360 Mv
Hum & Noise:	Mic -70 db, Aux/CD -75 db
Telephone Input:	600 ohm 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:	MIC1/Phone Volume, MIC2-3 Volume, MIC 4/AUX 2 Volume, AUX1/CD Volume, Bass, Treble
Rear Panel	MOH & ZONE 2 Level Control
Phantom Power:	On 4 MIC Inputs w/internal jumper
MOH Source:	AUX1 or AUX2 w/internal jumper
Tone Control Action:	+/-10 db at 100 Hz and 10 K Hz
VOX:	Voice Activated Muting
	MIC/PHONE mutes AUX 1 or AUX 2 with internal jumper
	With Contact Closure
Direct Muting:	Optional Rack Kit
Rack Mounting:	117 Volt, 50-60 Hz
Power Requirement:	AC=850 VA
Power Consumption:	AC=500W Max. Unswitched
AC Accessory Outlet:	Screw Terminals, RCA Jacks
Terminations:	Black
Housing Finish:	17" W., 9 1/2" D., 3 1/2" H.
Dimensions:	(432X242X89 mm)
Net Weight:	19 Lbs (8.7 Kg)



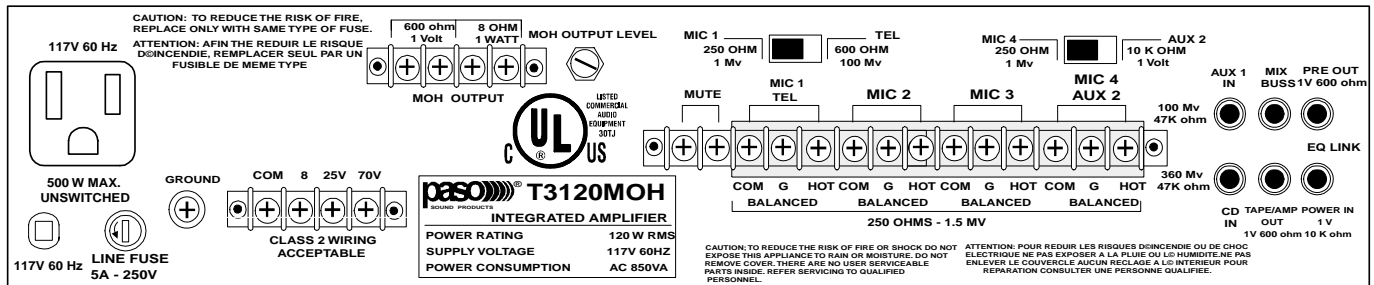
T3120MOH

T3120MOH

REV 3.0

Form T3120MOH

Innovation through technology since 1931



Rear Panel View

Phonex= Phone Paging Interface **MOH=** Music on Hold Output **VOX=** Voice Activated Muting

Zone2= 1 Watt, 8 ohm Second Zone No Paging

SatRx= Satellite Receiver Interface

MICROPHONE 1/TELEPHONE INPUT - MICROPHONE 4/AUX 2 INPUT

The amplifier is equipped with 4 Microphone inputs. Microphone input 1 is convertible to a Telephone line input and Microphone input 4 is convertible to an Aux input by means of a slide switch on the rear panel. The microphone input impedance is 250 ohm balanced, the Telephone line input impedance is 600 ohm balanced and the Aux 2 impedance is 10 K ohm. The input level controls are provided on the front panel.

MICROPHONE/TELEPHONE PAGING WITH AUTO-MUTING

The Microphone or Telephone Paging input provides Automatic Voice (VOX) activated Muting over the program (Music) input. Selection of the Microphone input mode (250 ohm balanced) or the Telephone input mode (600 ohm balanced), is achieved by the use of a slide switch located on the rear panel. Muting may be also accomplished by direct contact closure of the Mute terminals.

DESK BASE MICROPHONE

A Desk Base Microphone with Precedence switch, such as the Paso model B50X, may also be used. When the microphone switch is engaged the precedence (Program Channel Muting) is activated.

PROGRAM INPUTS

Two program inputs are provided, a 47K ohm unbalanced at 100 Mv level (AUX) and a 47K ohm unbalanced at 360 Mv level (CD). Both inputs are muted when Paging from the Microphone/Telephone input or by contact closure of the Mute terminals.

MICROPHONE INPUT PHANTOM POWER

Phantom Power for Electret Microphones can be selectively activated on all four (4) Microphone inputs by internal selector.

600 OHM BALANCED MOH OUTPUT WITH SOURCE SELECTOR

An independent 1 Volt-600 ohm balanced output is provided for Music on Hold Applications. The MOH Amplifier uses as a source (with selector jumper) the Aux 1 or the Aux 2 input only (not the Mic source) and it is not muted by the Vox or by the direct muting circuit.

ZONE 2 - INDEPENDENT 1 WATT - 8 OHM AMPLIFIER

A 1 Watt-8 ohm Amplifier with level control is provided for Music on Hold

applications or for Speaker(s) use without Paging (Music source same as for the MOH). Up to 4 (8 ohm) Speakers may be connected to this output.

LEVELS OF MUTING PRIORITY

The Amplifier provides several levels of Mic. or Aux Priority:

MIC 1/TEL - This Input is never muted.

AUX/CD - These Inputs are always muted (unless VOX is defeated)

MIC 2-3-4/Aux2 - Can be selectively muted or not by internal selector.

The INPUTS 2-3-4 Muting Selectors are located internally. When the selector is in the ON position, the corresponding INPUT will be muted when the Precedence is activated (VOX or Direct).

EXTERNAL EQUALIZER LINK

An External Equalizer may be connected by using the Preamplifier Output and Power Amplifier Input Jacks of the amplifier. The Preamplifier section of the Amplifier can be equalized for acoustic correction applications.

MIX BUSS

The Mix Buss feature allows the Preamplifier section to be bridged with a separate Mixer or Paso Amplifier having the same feature. In this mode all inputs are shared by both units.

CD PLAYER INPUT

Separate High Level CD Player input prevents input distortion caused by CD Players High Output Level.

ACCESSORIES

27/3501 - Standard 19" rack mounting kit. Complete with hardware. Black Finish. 2 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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