

TBA Series Multi-Channel Talk/Back Amplifiers



TBA-31

Guardian Telecom TBA SERIES Multi-Channel Talk/Back Amplifiers Series are designed for safe, reliable and cost-effective communication. They provide easy to operate paging with the versatility of hands-free slave speakers. Utilizing explosion proof slave speakers, Talk/Back units are very useful in hazardous areas where hands-free communication is required.

Guardian's TBA Talk/Back systems provide reliable point-to-point and point-to-multipoint communication in areas such as on drilling rigs between drill cabin/drill floor and monkey board, plus moon pool, mud tanks, etc.

TBA Talk/Back systems are also used extensively on ships and off-shore platforms where hands-free communication is required from slave-operator end.

FEATURES and BENEFITS

- Easy master/slave(s) operation
- Corrosion resistant for any industrial application
- Only one amplifier required for master/slave(s) communication
- 2, 3, 4 or 5 channel versions available
- Primary slave can be hands free (TBA20/30/40/50) or push-to-talk (TBA21/31/41)
- External microphone or option to use master speaker as microphone
- Hand or foot switch (not included) used with master to activate paging
- Post announcement tone from master to slave option
- 120/230VAC or 24VDC powered
- Attenuation of master speaker when paging to prevent feedback

CONTROLS

- Separate master and slave(s) speaker volume control on chassis
- Master microphone, talk/back gain and speaker attenuation controls (internal)
- Optional ring tone volume control (internal)

APPLICATIONS

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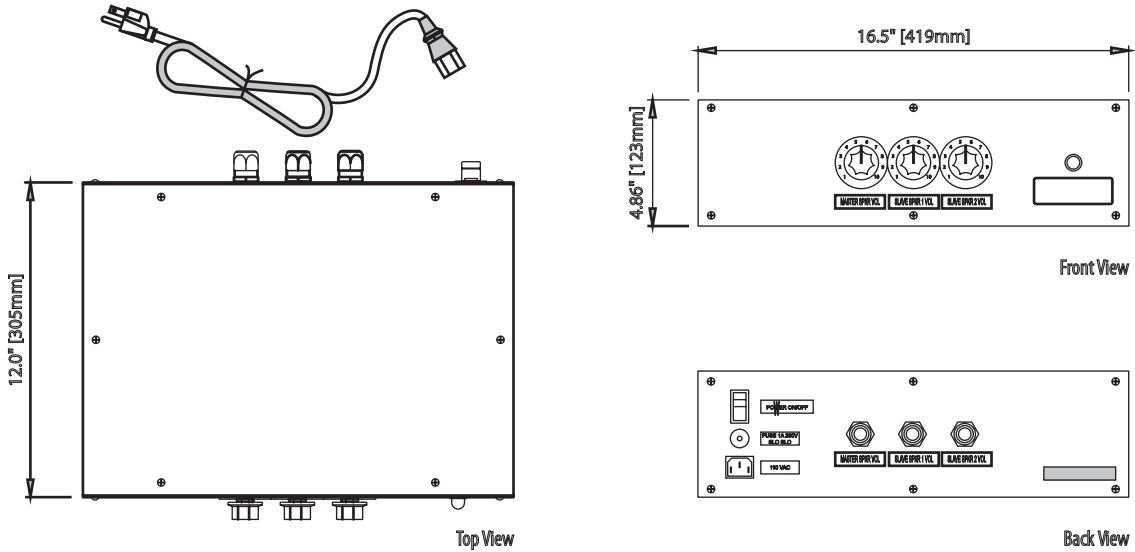
INSTALLATION and CONNECTABILITY

Guardian's modular approach to system design gives you the flexibility to set up a system based on exactly what you need. Talk/Back components connect through common plugs and cable types for easy installation.



OVERALL DIMENSIONS

TBA-31 is shown — Overall Dimension are the same for all TBA Multi-Channel Amplifiers



TBA Multi-Channel Talk/Back Amplifiers

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Power Supply Input Voltage 120/230VAC; 24VDC
 Fuse 24V - 1 Amp, 120 VAC- 0.5 Amp, 230VAC - 0.25 Amp

PERFORMANCE

Audio Level

Page Output Voltage 70 Volt
 Page Output Power (Master and Slave(s)) 12 Watts RMS/Channel
 Frequency Response 250 - 8000 Hz
 Distortion 1.0% Maximum THD @ 1000 Hz
 Master Station Talk/Back Attenuation (internal adjustable) -20 dB to Mute
 (External) Master Microphone 600 Ohms, 750 mV RMS
 Master Switch Dry Contact SPST

MECHANICAL SPECIFICATIONS

Body Construction 16 Gauge Steel
 Net Weight 20 lbs (9.1 kg)
 Shipping Weight 22.0 lbs (10.0 kg)
 Shipping Dimensions (L x W x D) 20.0" x 15.0" x 11.5" (508 x 381 x 293 mm)
 Standard Mounting Horizontal or Vertical
 Connection Fittings Cable Gland

ENVIRONMENTAL

Temperature -22° to +122° F (-30° to +50°C)
 Humidity 0 - 95% RH Non-Condensing

ORDERING INFORMATION

Warranty: Three year parts and labor

Order No.	Description
P8600	TBA20 2 Channel: Master / Slave
P8605	TBA21 2 Channel: Master / PTT Slave
P8601	TBA30 3 Channel: Master / 2 Slaves
P8606	TBA31 3 Channel: Master / 2 Slaves (Primary being PTT)
P8602	TBA40 4 Channel: Master / 3 Slaves
P8607	TBA41 4 Channel: Master / 3 Slaves (Primary being PTT)
P8603	TBA50 5 Channel: Master / 4 Slaves

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GUARDIAN TELECOM, a division of CIRCA ENTERPRISES INC.
 Calgary, Alberta, Canada
 Telephone: 403 258-3100 Facsimile: 403 253-4967
 1-800-363-8010 (North America)
 info@guardiantelecom.com | www.guardiantelecom.com