

Input Connections

The TPU-B Input connections and Aphex On/Off switch are housed in the Input Connections Bay, accessible by removing the left cover panel on the front of the amplifier. Loosen the hold down screws on the panel and slide the panel up to remove. A knockout is provided on the panel to admit wiring. Be sure to replace the cover and secure the hold down screws after making connections.

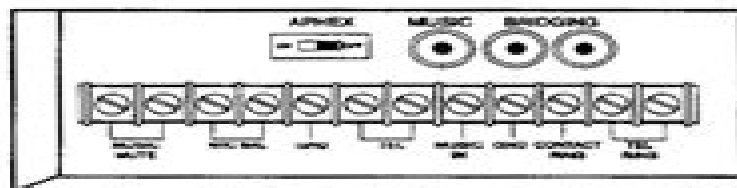


Figure 1. TPU Input Connections Bay

TEL

A balanced isolating transformer input for a telephone line is provided. A 600-ohm telephone line may be connected to the TEL terminals. If two-conductor shielded wire is used, connect the shield to the adjacent GND (ground) terminal, which is to the left of the TEL terminals.

MIC BAL & MUSIC MUTE

A low-impedance balanced microphone can be connected to the screw terminals marked MIC BAL. Use two-conductor shielded wire and connect the shield to the adjacent GND terminal. Connect the MUSIC MUTE terminals to the switch on the microphone for microphone muting of the music channel.

MUSIC IN

A wide range of HI-Z background music sources can be connected to the TPU amplifier. Connect the source to either the MUSIC RCA jack or MUSIC IN screw terminals.

TEL RING & CONTACT RING

The night ringer can be activated either by a 90V ring signal or from a dry contact closure.

To activate the night ringer using the ring signal, connect the signal to the TEL RING terminals.

To activate the night ringer using contact closure, connect a pair of normally-open dry contacts (customer-supplied and installed in the telephone system) to the CONTACT RING terminal and adjacent GND terminal.

RINGER TONE

As shipped, a steady ringing tone will be heard as long as the dry contacts remain closed. To produce a pulse tone, it is necessary to remove the cover and place the jumper located at J1 in the P (Off) position.

WARNING

This procedure requires removal of the amplifier cover. To avoid an electric shock hazard, do not perform this procedure unless you are qualified to do so.

APHEX®

The Aphex® Aural Exciter circuit is controlled by the on/off switch located in the input connections bay. When the switch is in the on position, the harmonics that are usually lost in the amplification process are regenerated and added to the audio signal. This results in increased presence and clarity, increased intelligibility, greater perceived loudness (without adding extra power) and reduced listener fatigue.

BRIDGING JACKS

Two TPU amplifiers may be bridged together to double the number of inputs and outputs. Connect a single-conductor shielded cable, terminated in an RCA phono plug at each end, between the BRIDGING jacks of the two amplifiers. The cable should not be more than 20 feet in length.

Output Connections

Output connections are housed in the connections bay, accessible by removing the right hand cover panel on the front of the amplifier. Loosen the hold down screws on the panel and slide the panel up to remove. Knockouts are provided on the panel to admit wiring. Be sure to replace the cover and secure the hold down screws after making connections.

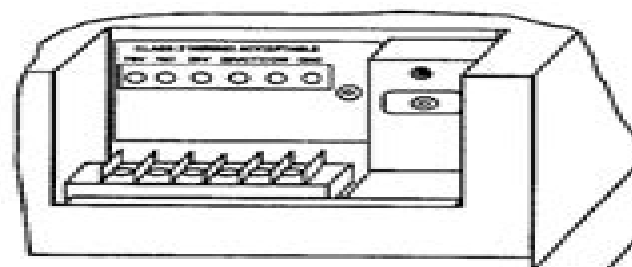


Figure 2. TPU Output Connections Bay

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Table of Contents Bogen Tpu100b User Manual

1. Understanding the eBook Bogen Tpu100b User Manual
 - The Rise of Digital Reading Bogen Tpu100b User Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Bogen Tpu100b User Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Bogen Tpu100b User Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Bogen Tpu100b User Manual
 - Personalized Recommendations
 - Bogen Tpu100b User Manual User Reviews and Ratings
 - Bogen Tpu100b User Manual and Bestseller Lists
5. Accessing Bogen Tpu100b User Manual Free and Paid eBooks
 - Bogen Tpu100b User Manual Public Domain eBooks
 - Bogen Tpu100b User Manual eBook Subscription Services

- Bogen Tpu100b User Manual Budget-Friendly Options
- 6. Navigating Bogen Tpu100b User Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Bogen Tpu100b User Manual Compatibility with Devices
 - Bogen Tpu100b User Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Bogen Tpu100b User Manual
 - Highlighting and Note-Taking Bogen Tpu100b User Manual
 - Interactive Elements Bogen Tpu100b User Manual
- 8. Staying Engaged with Bogen Tpu100b User Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Bogen Tpu100b User Manual
- 9. Balancing eBooks and Physical Books Bogen Tpu100b User Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Bogen Tpu100b User Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Bogen Tpu100b User Manual
 - Setting Reading Goals Bogen Tpu100b User Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Bogen Tpu100b User Manual
 - Fact-Checking eBook Content of Bogen Tpu100b User Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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