

Thank you for purchasing a DesktopBox!

While intended for use with Technomad weatherproof PowerChiton amplifiers and Scoreboard systems, the DesktopBox can be used as an audio input interface for any amplifier which uses balanced audio inputs.

The core of the DesktopBox is the audio mixer. The mixer offers four separate audio inputs, each with level control. The mixer includes a three-way ducking switch option as well as internally accessible crossover points and a simple limiter circuit.

The DesktopBox XL has an expansion bay where factory-installed source options such as a wireless microphone receiver, audio player and more can be mounted. Please contact Technomad to discuss application requirements if the unit was not ordered with the needed optional module. On the rear of the unit is an Audio Distribution Bay, where an audio distribution option such as a wireless, twisted pair, or ethernet audio distribution transmitter can be mounted. The unit also includes an accessory shelf where either an audio input or output accessory module can be mounted.



Features

- Four individual input channels
 - 1x microphone/balanced line level
 - 3x unbalanced line level
- Three way ducking circuit
 - Wired mic ducking, line level ducking, off
- Integrated limiter
- Integrated crossover filters (factory set)
 - Full range, 85Hz high pass, 85Hz low pass, 350Hz high pass
- Stylish black powder-coated enclosure

Power (standard)

- 120VAC
- 12VDC aux. output

Connections

Audio Input Jacks

- 1x XLR- 1/4" TRS combo jack (front)
 - XLR pins = mic. level
 - 1/4" TRS pins = balanced line level
- 1x 1/4" jack, unbalanced line level (front)
- 1x expansion bay with internal connection header (TE Connectivity PN 1375820-3)
- 1x 1/4" jack, unbalanced line level, (rear)

Audio Output Jacks

- 1x 1/4" TRS jack (rear)
- 1x Audio Distribution Bay with int. connection (TE Connectivity PN 1375820-3)

Installation

The DesktopBox series are designed to be deployed on a horizontal surface such as a desk or counter. The unit is not weatherproof so should only be used in a dry location out of any precipitation. The unit has a locking handle which also serves as a tilt leg. This can be used to carry the unit if needed. To reposition the handle, simply press the buttons on side of the handle hub and rotate to the desired position.

Connecting Audio Sources

To connect an external device to the unit, use an appropriate adaptor cable for the input. While the DesktopBox is a mono device, an audio source with stereo output can be connected using the included 3.5mm to 1/4 adaptor on line input 1.

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Connecting Audio Outputs

The DesktopBox has a mono, balanced line level 1/4" TRS output jack on the rear of the unit. That output is paralleled by the Audio Distribution Bay on the rear of the unit, where an audio distribution module can be factory-installed. The DesktopBox does not offer multiple output levels when more than one output is used.

3rd party modules

The DesktopBox features a storage shelf where a wide range of 1/2U 3rd party modules can be installed, including wireless mic receivers, assistive listening transmitters, and more. For convenience, the Desktop Box includes a 12VDC power jack on the rear of the unit to power these units.

Operation

The DesktopBox provides four separate audio level controls, one for each channel. When setting levels for an audio channel be sure to monitor the 'Clip' LED to ensure that the mixer inputs are not being overdriven. Overdriving, or clipping, the inputs can lead to damage of the speakers connected to the system and should be avoided. The DesktopBox has a on/off power switch on the rear of the unit. Be sure all input level controls are turned fully down (max. counter-clockwise) before turning the unit on or off.

Ducking Switch

The unit includes a three way switch which controls the ducking feature. When the switch is set to the 'Mic' setting, any input from the wired microphone connection will override (or duck) any active input on other channels. When the switch is to the 'W. Mic' setting, any input from Line Input 3 will override any active input on other channels.

Available Source Options

Bluetooth receiver: PN 1775

Shure™ PGX D handheld wireless mic system w/ mounting brackets: PN 1717

Shure™ PGX D headset wireless mic system w/ mounting brackets: PN 2117

Available Output Options

Twisted Pair sender unit: PN 1247

Ethernet sender unit: PN 1245

Wireless transmitter unit: PN 2017

Wireless transmitter booster: PN 2018

