

Quilter

INTERBASS



MICRO BASS AMP / CONSOLE INTERFACE
Owners Manual

CONGRATULATIONS!

Welcome to the INTERBASS: Micro size, big feature package.

The InterBass provides all the key requirements for coupling both electric bass, stand up bass, or other electronic instrument to a PA or recording console, and also contains a built-in amp with enough power for practice or small gigs. It combines a full-service bass-guitar preamp, limiter section, effects loop, cabinet simulator, headphone driver, and 45-watt power amp in a single pedal-size enclosure. As the name suggests, it provides a complete interface between your instrument, your pedals, your DAW, your PA system, or a stand-alone loudspeaker, with lots of flexibility to handle whatever you may come across in your efforts as a performing artist. In spite of its diminutive size, this little powerhouse packs a potent punch capable of driving a serious stageworthy rig.

The high impedance **INPUT** accepts normal guitar cables. The **GAIN** control ranges from clean to musically pleasing “growl”. The three band EQ adjusts **DEPTH(100 Hz)**, **WOOF(300 Hz)**, and **HIGH(1kHz)** frequencies, with two selectable **BASS TYPE** modes. **ACTIVE** sets the input level correctly for basses with active electronics, and the **PASSIVE** mode sets the input level for passive bass pickups. A full featured **FX LOOP** includes a secret “audio input” feature, allowing an auxiliary music source to be “injected” into the **FX RETURN**, which further expands the capabilities of the InterBass. The **MASTER** control adjusts the peak limiting threshold from 0 to 45 watts offering clean headroom and/or rich sustain at will. The **MASTER CONTROL** feeds the **FR/VINT** switch, and dual signal paths lead to the **BAL LINE OUT/HEAPHONE** jack, and the **SPEAKER OUTPUT** jack, which drives any normal speaker, and is stable with no speaker connected.

Please consult the rest of this manual to obtain the best results from all these features.

A NOTE FROM PAT QUILTER:

Our goal at Quilter Labs is to bring you all the tone and dynamics of the best vintage amplifiers without the weight and drawbacks of tube technology. Despite its small size, this is a fully professional product, produced on a world-class production line. May your new amplifier deliver many years of faithful service and become a source of inspiration and creativity.

CARTON CONTENTS

- 1 Quilter INTERBASS amplifier
- 1 IEC AC Power Cord
- 1 24 Volt DC Power Supply
- 1 Owner's Manual

Troubleshooting Chart:

NO SIGNAL	<p>If the red InterBass power light is on, confirm that the Gain, Master and instrument volumes are turned up, and confirm that input, effects loop, and speaker cables are all good. Try an alternate speaker, and try the headphones to see if signal is getting through.</p> <p>If the green power supply LED is on, but not the InterBass, confirm that the connection from power supply to InterBass is fully seated.</p> <p>If the green power supply LED is off, confirm that the AC power is plugged in. If so, unplug the power supply from the InterBass. If the green LED comes on, the InterBass may be bad. If the green LED stays off the power supply may be bad. Contact Quilter Labs for service instruction.</p> <p>If the sound from the InterBass remains weak and garbled, it may need servicing.</p>
HUM AND NOISE	<p>Hum and buzz are chronic problems with electronic instrument hookups. To track down the source, reduce guitar volume to zero. If the hum clears up, it is coming from the guitar. Guitar hum is frequently affected by where you position yourself, and often increases when not touching the strings.</p> <p>If the hum remains, unplug the guitar cable from the InterBass. If this fixes the hum, try another cable.</p> <p>If hum remains after unplugging the input, unplug any devices connected to the Effects Loop. If this fixes the hum, the problem is in the pedal board. Gently wiggle all cables, listening for any fluctuation in hum level. Solderless cables often go bad after a year or two. If cables are good, confirm that the pedalboard power supply is not overloaded, which can also cause hum.</p> <p>If the hum remains with nothing plugged into the input or effects loop, the problem may be a ground loop between the InterBass and outboard console. If possible, operate from the same AC strip, use BALANCED cable to the console, and if necessary, insert a ground-lift Direct Box between the Line Out and console Line In.</p>
LOUD SCREECHING NOISES	<p>Be sure the speaker output is only connected to a stand-alone speaker (or left unplugged). Accidentally connecting the speaker to a grounded signal input will trigger runaway feedback.</p>
HEADPHONE	<p>If sound only comes from one side, confirm that the selector switch is set on H-PHONE and that the plug is fully inserted.</p>

OVERALL SIGNAL FLOW: As shown by the InterBass panel graphics, the signal f
PUT feeds the GAIN and the EQ SECTION, with BASS TYPE selector switch above
CAB SIM section, and splits to go to the SPEAKER and HEADPHONE/LINE OUT j

FX LOOP (1/4" unbalanced, 1V pk): The series Effects Loop is located af
are applied to the overall sound of the amplifier. SEND goes to your effe
signal and returns it to the MASTER volume control. PRO TIP: To add an
tracks to the mix, plug an MP3 player or iPhone into the FX RETURN jack
internal signal. Use the external device's volume control to set the balan

HEADPHONE/BALANCED LINE OUT (TRS 1/4" jack):

Switch selects Headphone Output (both sides driven equally) or Balanced Line Out for connection to external mixing console or amplifier. The overall signal level is controlled by the Master.

BASS TYPE: The ACTIVE-PASSIVE Switch modifies input level to match active or passive bass guitars.

FR/VINT: The FR setting produces Full Range Flat Response output, suitable for modern full-range bass styles, or general-purpose inputs such as acoustic guitar or keyboards. The VINT voice simulates an "old school" cone-driver cabinet, with more warmth and presence, similar to classic tube-driven bass amps. The switched output flows to both the SPEAKER and separate HEADPHONE/LINE OUT jacks.

SPEAKER JACK: 1/4" speaker jack for powering external speaker. Provides 17W into 16 ohms, 33W at 8 ohms, and 45W at 4 ohms. PRO TIP: do not connect to electronic inputs or grounded speaker loads. Use only for a stand-alone speaker.



EQ SECTION: The DEPTH, W
boost control over three ba
limiter system prevents eve
"bottoming" on loud passag

24VDC POWER SUPPLY: (not shown)
Volt-3A DC power Supply. Using the
approved power supply will void th
power supply to power other peda

flow matches the layout of typical pedals, flowing from right to left. The INPUT, then passes to the EFFECTS LOOP, returns to MASTER, then to switchable outputs.

After the GAIN/EQ section, so effects work. RETURN accepts the modified outboard signal such as backing track. The signal will mix 50/50 with the original.



POWER INDICATOR LED: Glows red to indicate power status. PRO TIP: There is no separate power switch for the InterBass. Pull the AC plug out of the power supply or switch off the power strip to power down the device.

24 VDC INPUT: Use only the provided Quilter PS-24 DC power supply.

GAIN: Determines how hard the amp “pushes” into limiting. Depending on the volume of your guitar pickups and playing attack, the sound should remain clean from 0 to 50% GAIN, with progressively more “stretching” and growl as GAIN is pushed above 50%.

INPUT: Accepts standard guitar or any other signal. Full 1 meg impedance for better tone and clarity, with low noise FET-input for maximum dynamic range.

WOOF, and SNAP provide wide range cut/bass-specific frequency bands. The InterBass can handle extreme DEPTH settings from “hard” to “soft”.

(to scale) Quilter approved 24V DC power supply for the InterBass 45 with any other non-Quilter power supply. Do not use the Quilter PS-24 or devices.



Specifications

Type	Micro Bass amplifier
Power Requirement	24 Volts DC (see power supply below)
Power Output	17 Watts @ 16 Ohms 33 Watts @ 8 Ohms 45 Watts @ 4 Ohms
Input Impedance	1M Ω
Fuse	None (non user-serviceable)
FX Loop	1 Volt full scale unbalanced Output impedance 1k Ω , input impedance 47k Ω .
Headphone line out	3 Volts peak, 39 Ω
Weight	Total shipping weight: 1.98 lbs, 0.9 kg InterBass weight: 11.1 oz, 0.32 kg AC Adaptor weight: 15.8 oz, 0.45 kg
Dimensions	Height (1.375", 34mm case) (1.75", 45mm with knobs) Width (4.625", 117mm case) (4.85", 125mm including jacks) Depth (3.65", 93mm case) (3.9", 90mm including jacks)
Power Supply	24 Volts 3 Amps, 72 Watts Height (1.25", 32mm) Width (2", 50mm) Length (5", 125mm {Strain relief adds .5",12mm}) DC cable (60", 1.5 meters) 5.5 x 2.5mm Barrel connector (Adaptor weight, 2 Pounds)

For warranty or service information visit us online.

FCC STATEMENT REGARDING RADIO INTERFERENCE.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

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