SUPERBLOCK - UK

COMPACT GUITAR AMP / CONSOLE INTERFACE
OWNERS MANUAL

CONGRATULATIONS!

Welcome to the SUPERBLOCK-UK: Micro size, major TONE!

The SUPERBLOCK provides all the key requirements for coupling an electric guitar or other instrument to a PA or recording console, and also contains a built-in amp with 25 “real watts”, enough power for practice or small gigs. It combines a full-service guitar preamp, overdrive section, effects loop, cabinet simulator, headphone driver, and highly dynamic 25-watt power amp in a single pedal-size enclosure. It provides a complete interface for your instrument, your pedals, your DAW, your PA system, or a stand-alone loudspeaker, with the flexibility to handle whatever you may need 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 overdrive. The **LIMITER** acts like a “governor” affecting the higher ranges of gain response. The three band EQ adjusts **LOW**, **MID**, and **HIGH** frequencies, with three selectable **EQ VOICE** modes based on famous British amplifiers. A series **FX LOOP** includes a “stealth input” that allows an auxiliary music source to be “injected” into the **FX RETURN**, which further expands the capabilities of the SuperBlock. The **MASTER** control adjusts the overdrive threshold from 0 to 25 watts offering clean headroom and/or rich overdrive at will. From the MASTER CONTROL, 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 SuperBlock amplifier
1 IEC AC Power Cord
1 24 Volt DC Power Supply
1 Owner’s Manual

Troubleshooting Chart:

NO SOUND	**RED POWER LED IS ON:** Confirm that Power switch is ON (not STBY). Confirm that the Gain, Master and your instrument volumes are turned up. Confirm that input, effects loop, and speaker cables are all good. Try an alternate speaker, and try the headphones to see if you have signal. **NO RED POWER LED:** Check the PS-24 power supply. If the green power supply LED is on, confirm that the connection from PS-24 power supply to SUPERBLOCK is fully seated. If the green power supply LED is off, confirm that the AC power is plugged in. If so, unplug the power supply from the SUPERBLOCK. If the green LED comes on, the SUPERBLOCK may be bad. If the greed LED stays off the power supply may be bad. Contact Quilter Labs for service instruction. If the sound from the SUPERBLOCK remains weak and garbled, it may need servicing.
HUM AND NOISE	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. If the hum remains, unplug the guitar cable from the InterBlock. If this fixes the hum, try another cable. 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. If the hum remains with nothing plugged into the input or effects loop, the problem may be a ground loop between the InterBlock and outboard console. If possible, operate from the same AC strip, and if necessary, insert a ground-lift Direct Box between the Line Out and console Line In.
LOUD SCREECHING NOISES	Be sure the speaker output is only connected to a stand-alone speaker (or left unplugged). Accidentally connecting the speaker to a signal input will often cause runaway feedback or damage the SUPERBLOCK speaker output.
HEADPHONE	The headphone jack is 1/4-inch to mate with professional studio-type headphones. The sound should be centered. If sound only comes from one side, check with another headphone and confirm that the plug is fully inserted. If using an adaptor to connect to mini-plug earbuds, confirm that it is good.

OVERALL SIGNAL FLOW: The signal flow matches the layout of typical pedals, flowing from right to left. Jacks are located on the rear and left side, making it ideal to locate the SUPERBLOCK at the upper left corner of your pedalboard. The INPUT feeds the VOICE switch, passes through GAIN, LIMITER, 3-band EQ SECTION, out to the EFFECTS LOOP, returns to REVERB, then MASTER. The signal splits to the SPKR on the left side, and the CAB SIM switch which feeds HEADPHONE and XLR LINE OUT jacks.

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

9 VDC INPUT: .Allows the SUPERBLOCK to run from a 9V-300ma pedal supply at reduced power, for bedroom or practice.

HEADPHONE OUT (TRS 1/4" jack): Output level is controlled by the Master.

FX SEND/RETURN: Allows use of external pedals. Tracks may be blended in by using the FX Return.

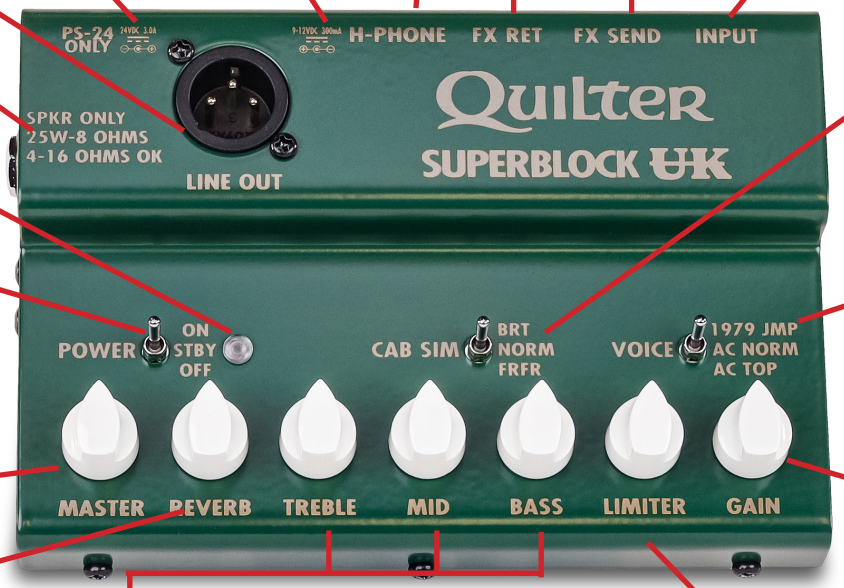
INPUT: Accepts standard guitar or any other signal. Full 1 meg impedance for better tone and clarity, with low noise FET-input for maximum dynamic range.

LINE OUT: Balanced XLR output connects to your DAW or mixer. Signal reflects the Cab Sim switch position and level is controlled by Master.

SPEAKER JACK: 1/4" speaker jack for separate external speaker. Provides 25W into an 8-ohm speaker. 4 and 16 ohm speakers may be used, with slightly reduced power. DO NOT connect SPKR to electronic inputs or grounded speaker loads. Use only for a stand-alone speaker.

POWER INDICATOR LED: Glows red in STBY and ON.

POWER SWITCH: Operates in three modes.
OFF shuts down the SUPERBLOCK even if external power is still active.
STBY activates Headphone and Line Out only. The speaker is muted.
ON activates the speaker.
PRO TIP: pause briefly in STBY when powering up to prevent turn on noises and reduce switch wear.



CAB SIM: operates on the signal going to the H-PHONE and LINE OUT jacks. FRFR presents a flat full range signal suitable for external cab-sim models. NORM engages an internal cab sim that represents a normal 12-inch guitar speaker, and warms up the sound for headphones and direct console outputs. BRT increases treble response to represent small bright guitar speakers.

VOICE: 1979 JMP channels an iconic high-gain British amplifier. AC NORM represents a classic British combo amp, and AC TOP represents the "top boost" version.

MASTER: Controls the power amplifier volume as well as the LINE OUT volume.

REVERB: Adds smooth rich reverb ranging from a light touch to "fully drenched".

GAIN: Determines how hard the amp "pushes" into overdrive. Depending on the volume of your guitar pickups and playing attack, the sound should remain clean from 0 to 3, and breakup should begin to set in between 3 and 7. Settings above 7 should result in increasing amounts of overdrive and sustain.

EQ SECTION: LOW, MID, and HIGH controls provide wide range cut/boost control over three frequency bands to add further control over the basic tone contours selected by the VOICE switch.

24VDC POWER SUPPLY: (not shown to scale) Quilter approved 24 Volt-3A DC power Supply. Using the SUPERBLOCK with any other non approved power supply will void the warranty. Do not use the Quilter power supply to power other pedals or devices.

LIMITER: Acts like a "governor" to hold back the signal peaks. Increasding the control gradually replaces the "brick wall" of breakup with a soft cushion of sustain. Moderate settings will keep overdrive on a "rolling boil" while higher settings will increasingly provide clean sustain.

IMPORTANT INFORMATION FOR OWNERS:

Factory Service

Please retain the shipping carton and packing materials in the unlikely event your Quilter product needs servicing.

To return a product to Quilter Labs for service under the warranty policy, please contact Quilter Labs by phone of email. Mail can be sent to Quilter Labs at 1700 Sunflower, Suite A, Costa Mesa, CA 92626. Please include the serial number of the product and a copy of your sales receipt. Instructions on how to send your product will be provided.

Do not attempt to open the product and service it yourself. Any attempt to service the product by a non-authorized service technician may void your warranty.

For warranty or service information visit us online at quilterlabs.com

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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