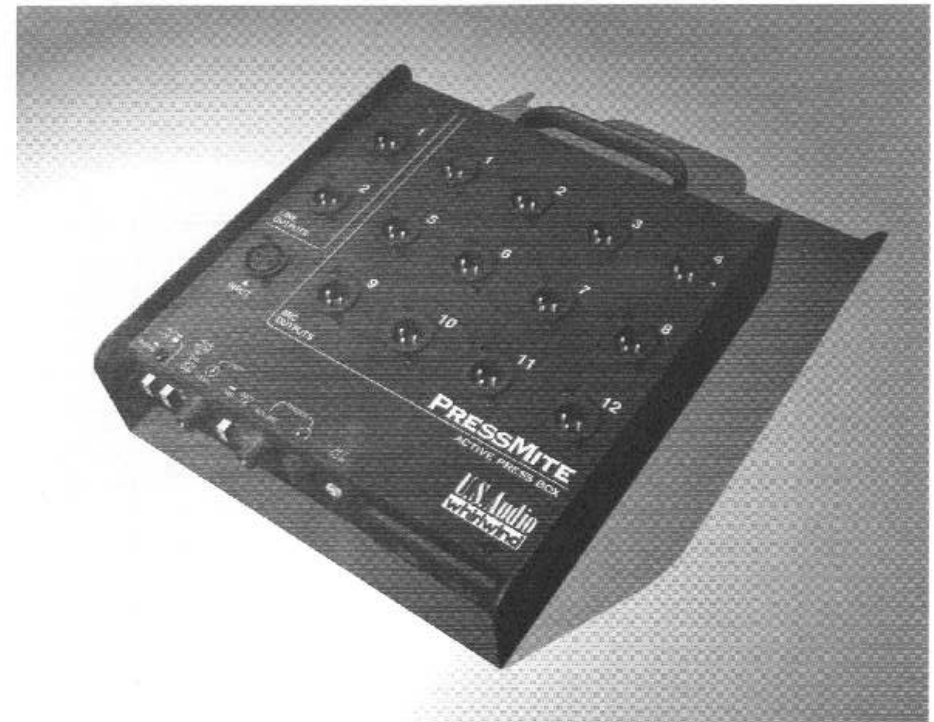


SPECIFICATIONS

| | |
|--|---|
| Frequency Response | + or -3dBm 100 to 6K Hz + or -3dBm 15 to 20K Hz |
| Input Impedance | 1.5K ohm Mic Mode 40K ohm Line Mode |
| Maximum Input Level | -14dBm Mic Mode +30dBm Line Mode |
| Output Impedance | 150 ohm Mic Outputs 600 ohm Line Outputs |
| Maximum Output Level | -17dBm Mic Out +12dBm Line Out into 2K ohm |
| Rise Time | 26uS |
| Phase Shift | -.8 degree at 1K Hz unity gain |
| T.H.D. | .063% at 1K Mic unity gain |
| Intermodulation Distortion | .08% at unity gain in Mic Mode |
| Equivalent Input Noise (EIN) | 115dBm |
| CMR of Mic Input at 60 Hz | >75dBm |
| CMR of Line Input at 60 Hz | >60dBm |
| Headroom Led Threshold (measured level at Mic Output) | Green LED -41 Yellow LED -29 Red LED -17 |
| Range of Level Pot | -50 to +22dBm |
| Range of Headphone Volume control | -50 to +22dBm |
| Isolation between Mic Outputs | >107dBm (between any non-vertical XLRs) >60dBm (between two vertical XLRs) |
| Isolation between Line Outputs | >77dBm |
| Power Draw Idle | 16mA DC |
| Fully Loaded with 30 ohm Phones at full volume | 73mA DC |
| Battery life | 8 hours continuous use |
| Size | 9.250" x 11.375" x 2.625" |
| Unit Weight | 6 lbs |
| Shipping Weight | 9 lbs |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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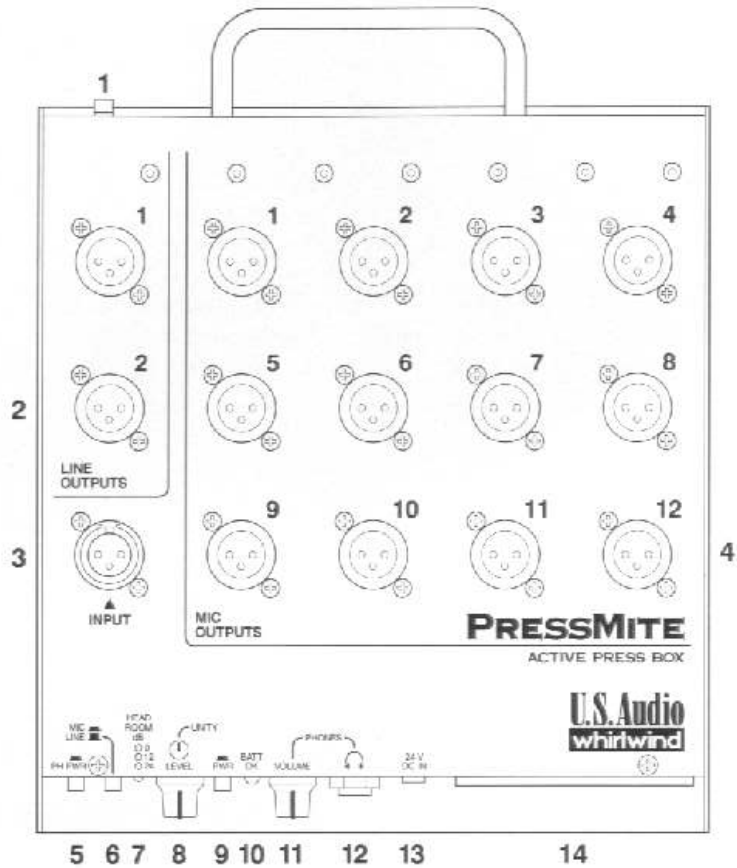
PRESSMITE

ACTIVE PRESS BOX

The PressMite is a compact and rugged unit designed to provide multiple mic and line level outputs for use in press conference situations. The PressMite accepts either mic or line inputs which are distributed to 12 mic and 2 line level outputs. All outputs are isolated using high quality transformers. Signals can be monitored through headphones with adjustable volume. Phantom power is provided for condenser microphones and headroom is displayed through three LEDs. Power for the PressMite is provided by either 2 nine volt batteries or a provided 24 volt DC power supply.

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CONTROLS AND FUNCTIONS



1. GROUND LUG TERMINAL Used to connect an external ground which can help increase shielding in high RF environments.

2. LINE OUTPUTS Transformer isolated XLRs with pin 1 lifted from audio ground. Pin 1 grounds can be connected internally through jumpers R17 and R26. At unity gain, the output level is equal to the line input level and is 40dBm above mic input.

3. INPUT The balanced RF filtered female XLR accepts mic or line level signals. In mic mode, signals are fed to a premium quality transformer. In line mode, signals are actively balanced. For unbalanced inputs, pin 2 is hot and pins 1 and 3 should be tied together.

4. MICROPHONE OUTPUT 12 transformer isolated XLRs, each individually ground referenced with all pin 1 grounds completely isolated from each other. At unity gain, output levels equal the mic input level and are -40dBm with 0dBm input in line mode.

5. PHANTOM POWER SWITCH When activated applies 18 volt phantom power to the input in mic mode.

6. MIC/LINE SWITCH This switch selects between mic and line level input.

7. HEADROOM LED ARRAY The LED array provides a visual indication by sensing levels both before and after the gain circuits. The yellow LED indicates that there is headroom remaining while the red LED indicates clipping. For normal operation, the output level control should be set so that the green LED flashes on and off with signal applied to the input. This sets the mic output levels to approximately -40dB and the line outputs to 0dB. Gain should be reduced if the yellow or red LEDs flash to return the outputs to nominal levels. If LEDs flash with level control turned off, reduce the source level, use line mode and/or an external pad.

8. OUTPUT LEVEL CONTROL The level control adjusts the amount of signal to the outputs. At unity gain, the level of the mic output equals the input level in mic mode. In line input mode, the same is true for the line input to the line output. The circuit can provide up to 22dB of gain or 50dB of attenuation.

9. POWER SWITCH Push switch in to activate the unit.

10. BATTERY OK LED Monitors battery voltage and lights the LED as long as the sum of the battery voltages is above 13 volts DC and the unit is turned on. Audio headroom is reduced by 7dB and the LED turns off indicating that batteries should be changed.

11. HEADPHONE LEVEL CONTROL Level control adjusts the volume of the mono headphone amp into the headphone jack. Rotating the knob to the off position when not monitoring will improve battery life if the headphones are to remain plugged in.

12. HEADPHONE JACK The headphone amp delivers current limited mono signal to stereo headphones of 30 to 600 ohms impedance through a 1/4" TRS jack. When using a mono earpiece with a tip sleeve plug, insert it only halfway to increase volume and prolong battery life.

13. 24 VOLT DC INPUT JACK For use with the included 24 volt power supply. The tip is positive and the sleeve negative.

14. BATTERY COMPARTMENT Slide out drawers with polarity markings hold the two 9 volt batteries. The PressMite will operate for 8 hours continuously on a new set of alkaline batteries.

BLOCK DIAGRAM

