User Guide
B32 Vancouver
Mix Bus



Burl Audio

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Revision C and later
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MADE IN USA

B32 VANCOUVER
MIX BUS



IN THE BOX:

- B32 VANCOUVER
- IEC Power Cable
- 4 Rack Screws with Washers

FEATURES:

- Discrete, class-A signal path
- 8 mono inputs, 24 stereo inputs
- Audiophile 0.1% stepped attenuators
- Switchable BX5 output transformer
- Summing amp GAIN BOOST
- Dual stereo outputs



ABOUT BURL AUDIO:

Founded in 2006, BURL Audio is a pro audio gear engineering and manufacturing company based in Santa Cruz,California. Based out of Paradise Recording and spearheaded by Rich Williams, BURL Audio's gear is designed in a commercial recording studio, by professional recording engineers, for recording engineers.

The philosophy of BURL Audio is to provide the best possible recording devices, in modular,v outboard units, to all levels of recording engineers at a reasonable price. All BURL Audio products are designed to improve your recording, mixdown, and mastering significantly. BURL Audio's products are designed to be a life-long asset to your studio.

BURL Audio is dedicated to bringing you ground-breaking studio gear that will change your life. This B32 was forged from BURL Audio's deep dedication to analog class-A circuitry. The result is not only heard, it is felt.

Burl is also defined as a tough, yet beautifully knotty base of 2000 year old redwood tree trunks. Burly is the heavy surf and fog that descends without warning over Santa Cruz, California. Burly is 32 channels of B80 Mothership into the B32 Vancouver mixing down to a B2 Bomber ADC. Burly is the toughness and heavy build quality of a BURL Audio unit. BURL is a creative state of mind. BURL is about music, grace, and power.

B32 VANCOUVER QUICK START

UNPACK AND CONFIRM VOLTAGE:

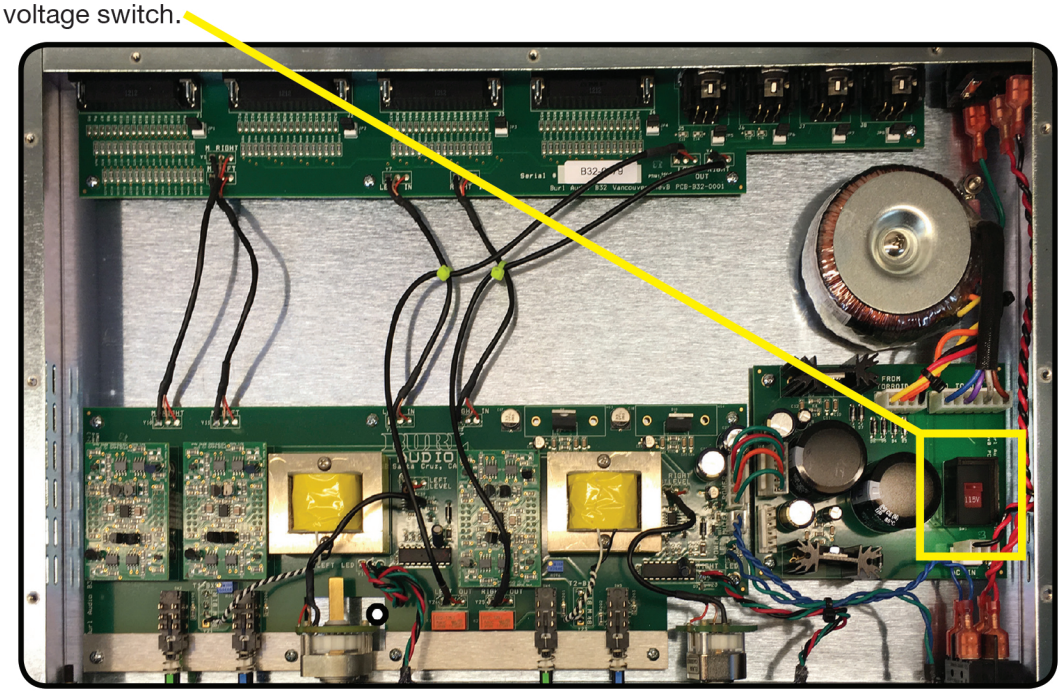
Remove the B32 from the box.

Before racking and plugging in the B32, confirm the voltage setting of the B32 is correct for your region. From above the unit, look through the lid to see if it's set to 115V or 230V. ***If voltage is set correctly, skip to page 4.***

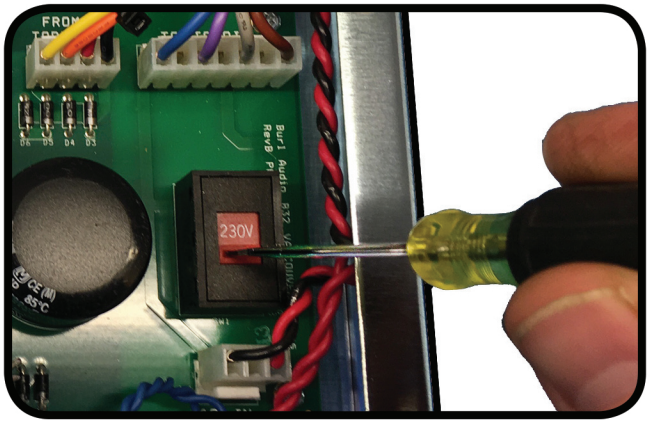
Powering the unit up at 220V while the unit is set to 115V will result in a blown fuse and the unit will not power up.

TO SWITCH VOLTAGE:

1. Remove all screws from lid.
2. Locate voltage switch.



3. Adjust voltage switch to 115V or 230V.



4. Replace lid and screws.

B32 VANCOUVER QUICK START continued

POWER UP

Plug the B32 into AC mains power. Turn on the power switch on the front panel, verify the blue power LED is illuminated. Power down unit.

CONNECT INPUTS AND OUTPUTS

Connect the outputs of your D-A converter to the DB-25 inputs on the rear of the B32. Connect the XLR outputs of the B32. ***(For routing diagram see page 6)***

NOTE: We recommend connecting MIX 1 directly to your Monitor Controller using high quality XLR cables, and all other inputs and mix outputs connect to a patch bay. This allows for quick and flexible routing.

TIPS:

We recommend starting with the attenuators at 0, BX5 and +6 disengaged.
Listen to your mix with the unit zeroed out.

Start to experiment to find the sweet spot

Add BX5 output transformers.
Add +6 dB Gain and attenuate the B32 down 6dB on each side.

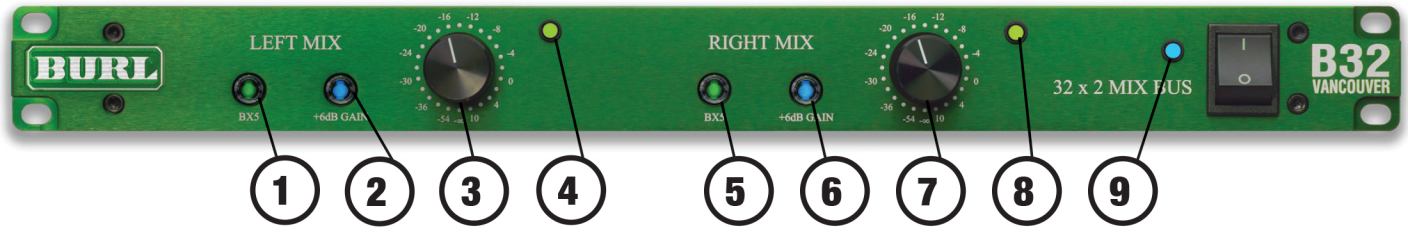
NOTE: When mixing back into a Burl Audio B2 Bomber or Mothership experiment with the output level of the B32, to saturate the input transformers more or less.

Enjoy!

Burl Audio products are all Class-A, discrete circuits, with no capacitors in the signal path, made in Santa Cruz CA.
Hear the difference. Feel the love.

TRANSPARENCY
SWITCHABLE TONALITY
GAIN BOOST
DEPTH
WARMTH
CLARITY

B32 VANCOUVER FRONT PANEL:



1. **Left BX5 Switch:** Engages proprietary Burl Audio BX5 Nickel core output transformer.

2. **Left +6dB Gain Boost:** Engages +6db gain boost through the summing amplifier.

3. **Left Attenuator:** 24 step audiophile resistor matched attenuator with .01% variance. Allows for proper imaging at all levels.

4. **Gain LED:** Tri Color LED shows gain at the summing amplifier.

5. **Right BX5 Switch:** Engages proprietary Burl Audio BX5 Nickel core output transformer.

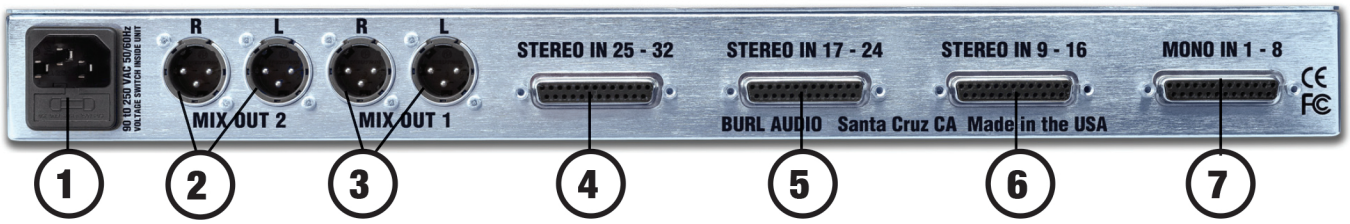
6. **Right +6dB Gain Boost:** Engages +6db gain boost through the summing amplifier.

7. **Right Attenuator:** 24 step audiophile resistor matched attenuator with .01% variance. Allows for proper imaging at all levels.

8. **Gain LED:** Tri Color LED shows gain at the summing amplifier.

9. **Power LED:** Blue light indicated unit is powered on.

B32 VANCOUVER REAR PANEL:



1. **IEC Inlet:** Contains an active fuse + 1 extra (Slow blow / 250VAC / 250mA / 5X20mm)

2. **Mix Out 2:** Second pair of outputs, multed from Mix 1 on the PCB.

3. **Mix Out 1:** Mix output, XLR connectivity.

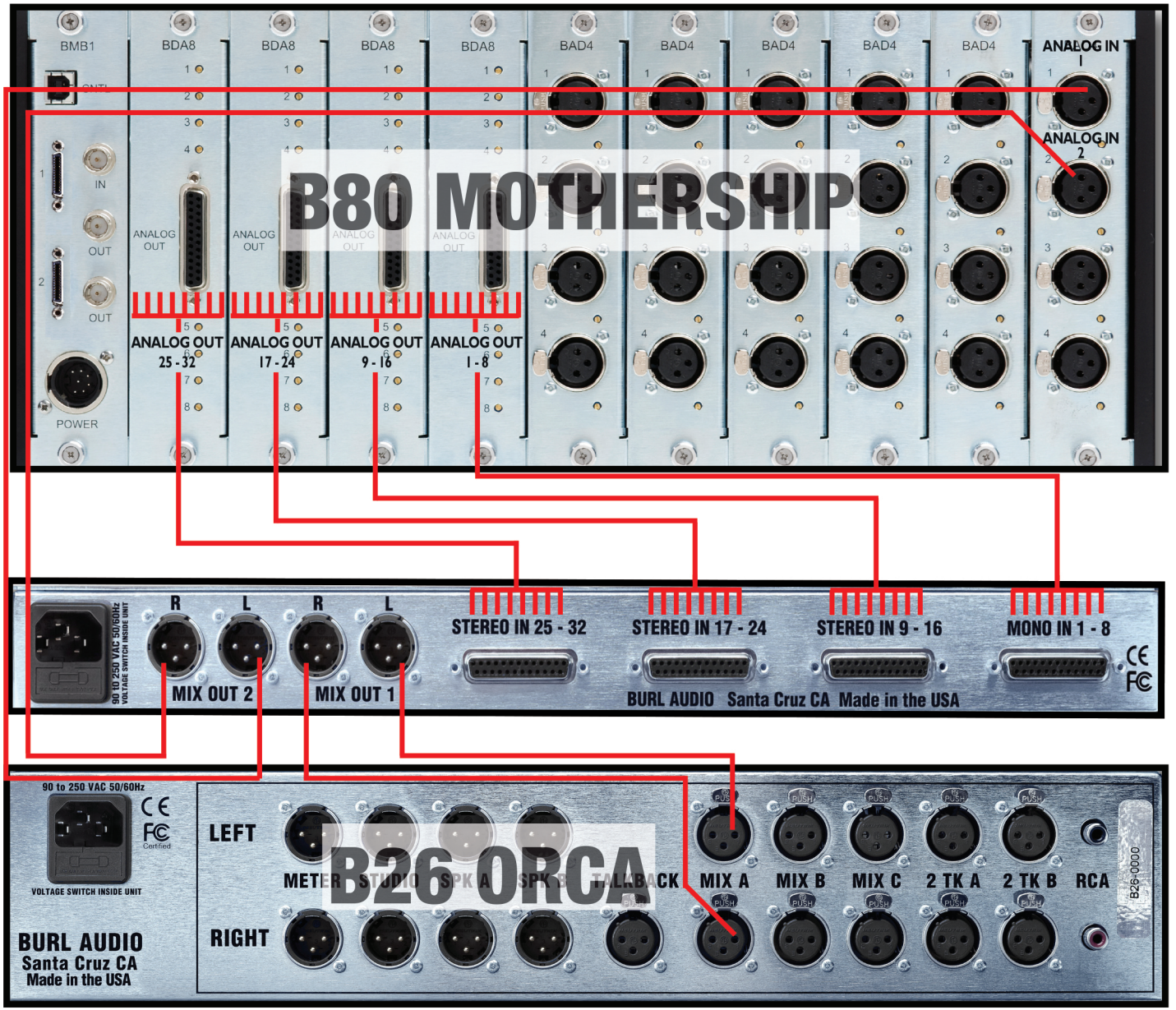
4. **Stereo Inputs 25-32:** 4 Stereo Pairs

5. **Stereo Inputs 17-24:** 4 Stereo Pairs

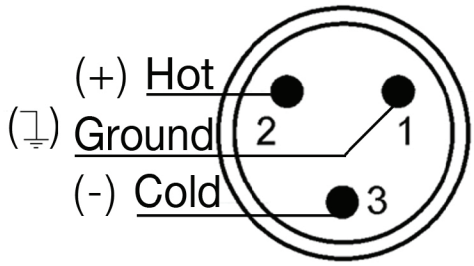
6. **Stereo Inputs 9-16:** 4 Stereo Pairs

7. **Mono Inputs 1-8:** 8 Mono inputs, panned center.

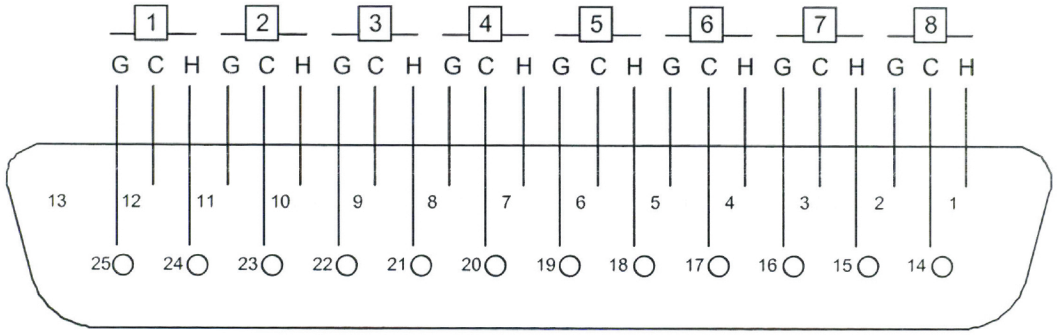
B32 VANCOUVER CONNECTED TO 32 CHANNEL INTERFACE, MONITOR CONTROL



PINOUT FOR MALE XLR BALANCED OUTPUTS



PINOUT FOR TASCAM DB25 8 CHANNEL BALANCED INPUTS



H = HOT
C = COLD
G = GROUND

B32 CIRCUIT DIAGRAM (SIMPLE)

