

# **Zev Pogrebin Channel Strip**

## Owner's Manual

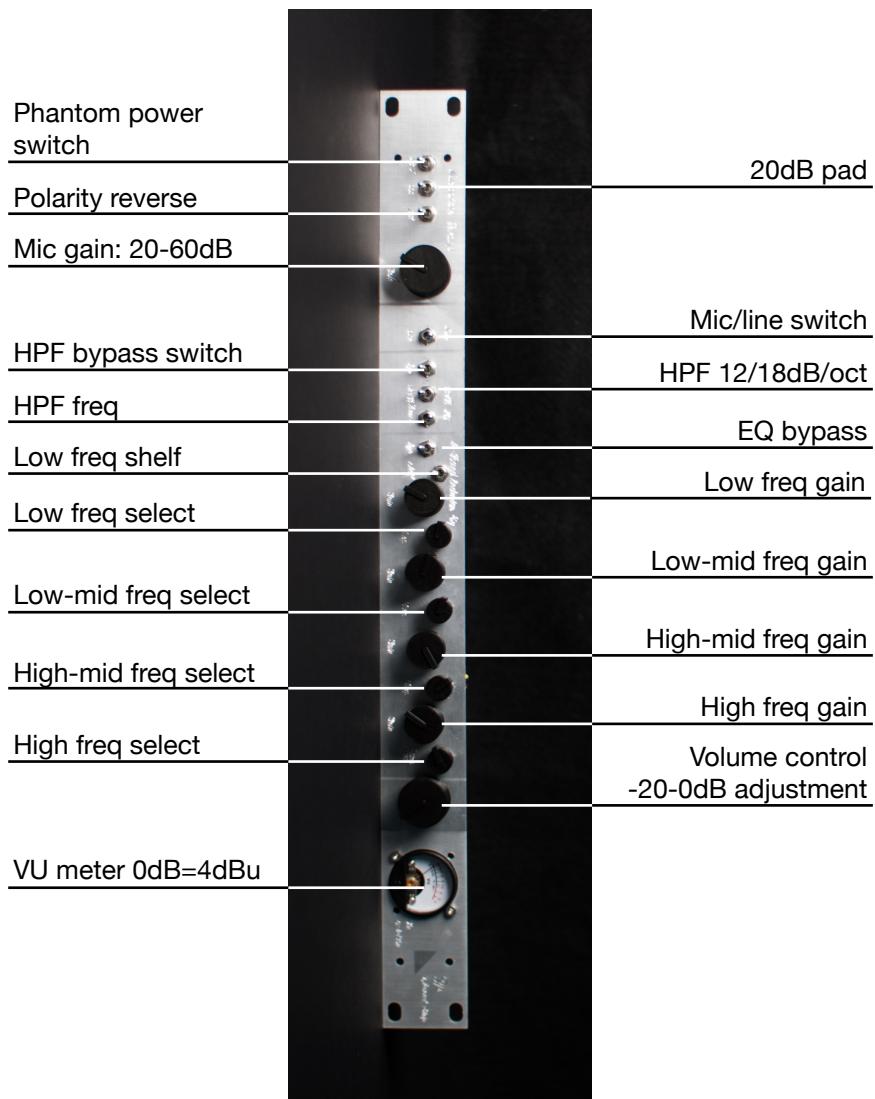
## Contents

Contents .....	2
What's Included .....	3
Controls and Connections at a Glance.....	4
Operation.....	5
Using microphones	5
Using line level sources	5
Setting the Microphone Gain	5
Using the High Pass Filter	5
Using the Equalizer	5
Equalizer Frequency chart	6
Notes:	7
Operating Specifications .....	8
Technical Documentation .....	10

## **What's Included**

- Zev Pogrebin Channel Strip (1)
- +/-24 V power supply (1)
- 4 pin power supply cable (1)
- This manual (1)

## Controls and Connections at a Glance



# **Operation**

## **Using microphones**

in order to use mic level sources such as microphones and DI boxes with the Channel Strip, plug the source into the “mic in” port using an XLR connection. Ensure that the mic/line switch is switched to “mic.” If a condenser microphone or active DI box is being used, you may need to switch on phantom power using the +48V switch. For large signals, applying the 20dB pad is recommended.

## **Using line level sources**

For line level sources, there is no input gain control, and no access to the pad or polarity.

## **Setting the Microphone Gain**

The mic preamp section gives continuous gain between 20 and 60dB. Set the gain so that the signal's signal/noise ratio is best while avoiding clipping.

## **Using the High Pass Filter**

The Channel Strip offers low cut filtration at around 60 and 120 Hz, at either 12 or 18 dB/octave.

## **Using the Equalizer**

The Channel Strip’s 4 band EQ is a hybrid, with two inductor based bands and two “gyrator” circuits. There are 5 selectable frequencies for each band, and gain is variable between +/-18 dB. The low frequency band can be switched between peaking and shelving modes. All bands have a Q of approximately 1.0.

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## Equalizer Frequency chart

	Low	Low Mid	Hi Mid	Hi
1	67	350	1000	4500
2	81	500	1400	6500
3	100	670	2000	9000
4	150	800	3000	13000
5	250	1000	3500	16000

Frequencies given in Hz, 1 is CCW position, rotating knob to the right gives 2 through 5

## **Notes:**

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## **Operating Specifications**

**Nominal Line Level:** +4dBu

**Frequency Response (EQ disengaged):**

Mic Pre (Max Gain): 20Hz-20kHz -3dB

Line In: 20Hz-20kHz +/-3dB

**Total Harmonic Distortion & Noise:**

Mic Pre: <0.5% @1kHz

**Nominal Power Consumption:**

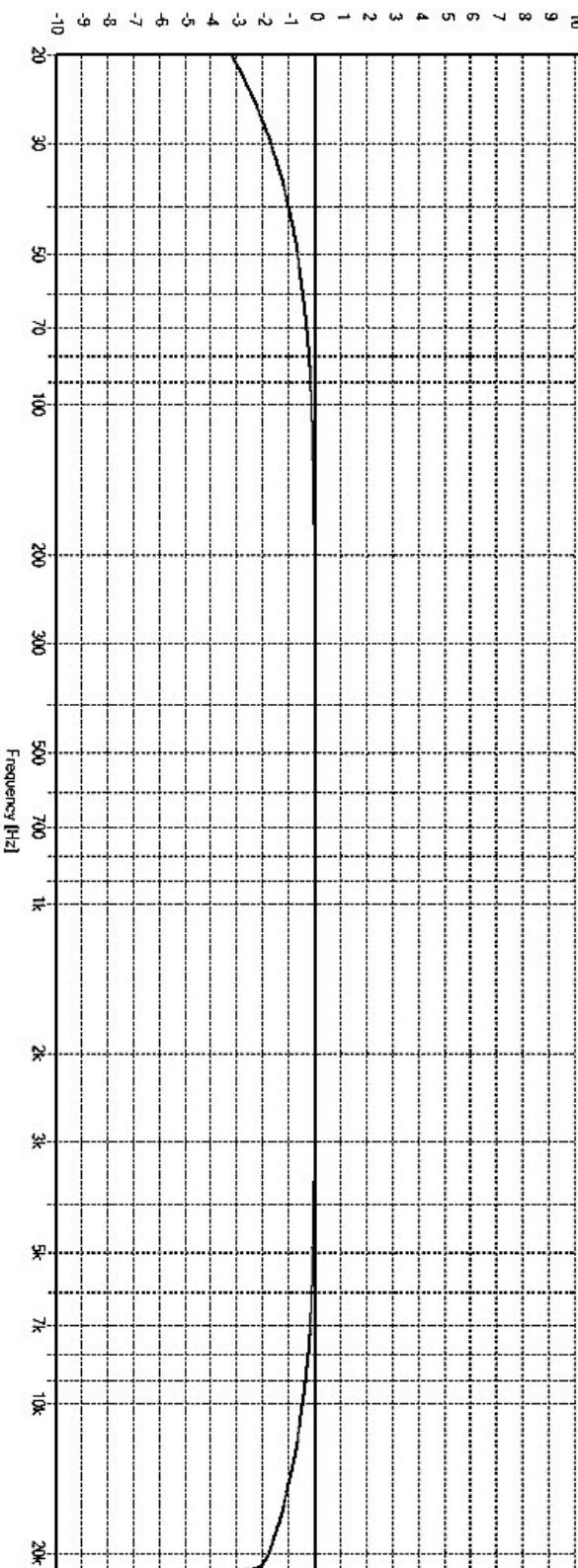
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**Physical Dimensions (L" x W" x D")**

19 x 1.75 x 4

C

Frequency Response



## Technical Documentation

Please see the technical documentation packet for block diagrams, schematics and board layouts.

