



## V2 Voltage Calibration Procedure

The Lunatec V2 preamplifier is designed to run on DC current ranging from 6V to 12V. The only difference between 6V and 12V models is in the threshold levels for the low battery detector circuit and the auto power-down circuit. These thresholds come set at the factory for either 6V or 12V sealed lead-acid type batteries. The following procedure outlines jumper settings and calibration of these circuits. These adjustments should be made only by qualified service personnel. If you have any questions or problems with this procedure please call Grace Design at 303-443-7454

### Equipment needed:

- Adjustable DC power supply: 5-15V, 1.8A minimum
- DC Volt meter
- Non metallic adjustment tool
- Alligator clip lead
- #2 Phillips head screw driver
- DC power cord: XLR-4 male on one end, appropriate connector for DC power supply on the other. Note: XLR pin 1 is GND and pin 4 is +V
- **BE CAREFUL TO OBSERVE PROPER POLARITY TO PREVENT DAMAGE TO THE V2!**

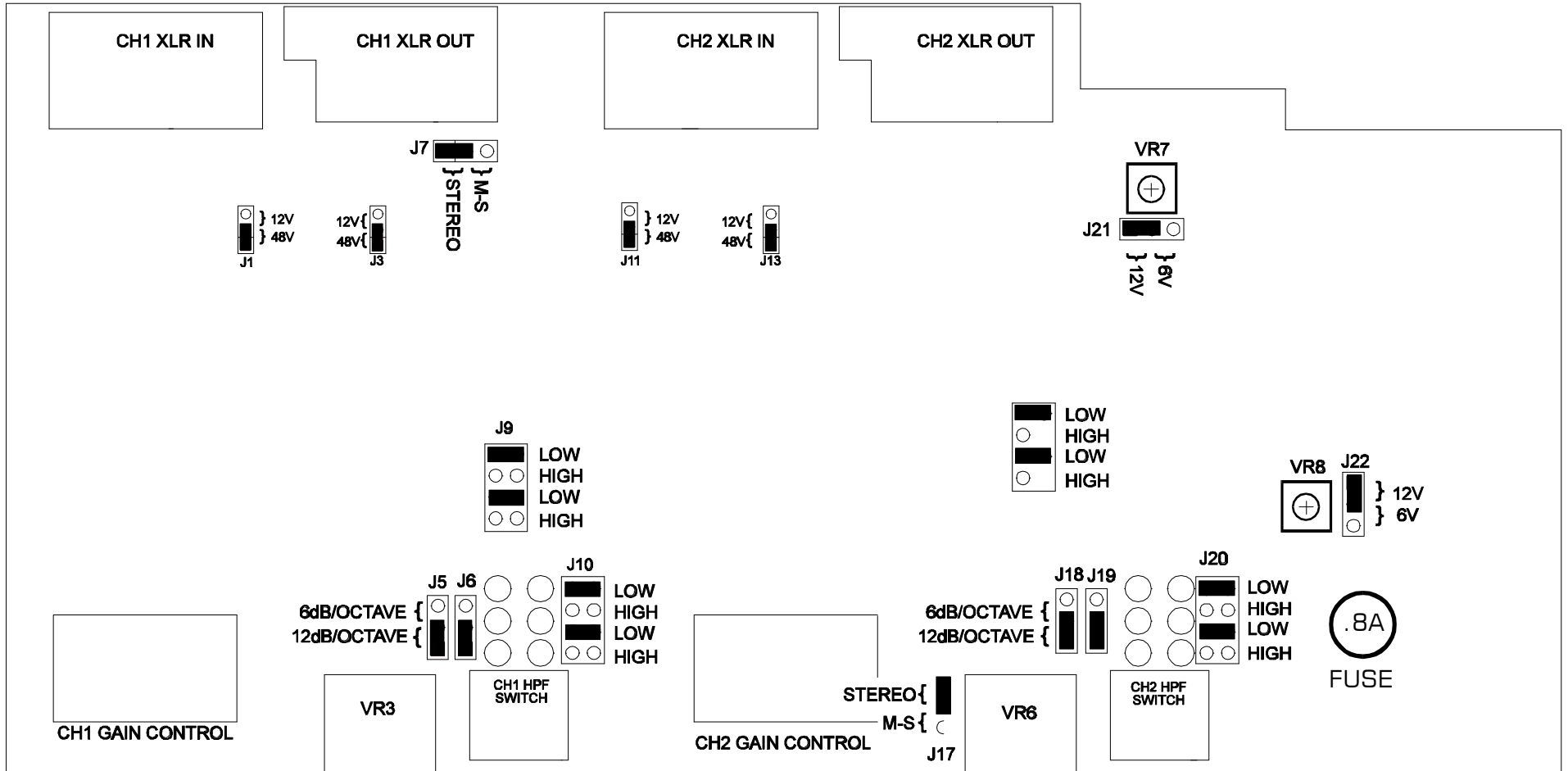
### Procedure:

1. Begin by removing the top cover of the V2. Make sure that the power switch on the V2 is in the off position. Connect the XLR power cable to the V2 and to the DC power supply. Observe the polarity!
2. Select the Voltage range with J21 and J22 (refer to the jumper location drawing).
3. Connect one end of the clip lead to the wire jumper located between pins 1 and 2 of the panel mount XLR power connector on the V2. Connect the other end of the clip lead to the black or GND lead of the DC Volt meter.
4. Turn VR7 fully Counter Clockwise
5. Turn VR8 fully Clockwise
6. Set the DC power supply voltage to 15 Volts and turn on the V2.
7. Measure the DC voltage coming in to the V2 at the power switch terminal and adjust the DC supply for 11.75V (5.5V for 6V V2)
8. Turn VR8 slowly counter clockwise until the low battery LED just begins to flash. This concludes the low battery threshold adjustment.
9. Measure the DC voltage coming in to the V2 at the power switch terminal and adjust the DC supply for 10.5V (5.0V for 6V V2).
10. Turn VR7 **slowly** clockwise until the V2 shuts off. This concludes the voltage calibration procedure for the V2. Turn of the V2 and remove the DC power source. Replace the top cover.



# LUNATEC V2 JUMPER LOCATIONS

FOR PREAMPLIFIERS WITH SERIAL #V055 AND ABOVE



## PREAMPLIFIER FRONT

HIGH PASS FILTER JUMPER SETTINGS				
J9,J10,J15,J20	LOW		HIGH	
HPF SWITCH POSITION	1	2	1	2
CUTOFF FREQUENCY	100Hz	50Hz	125Hz	75Hz