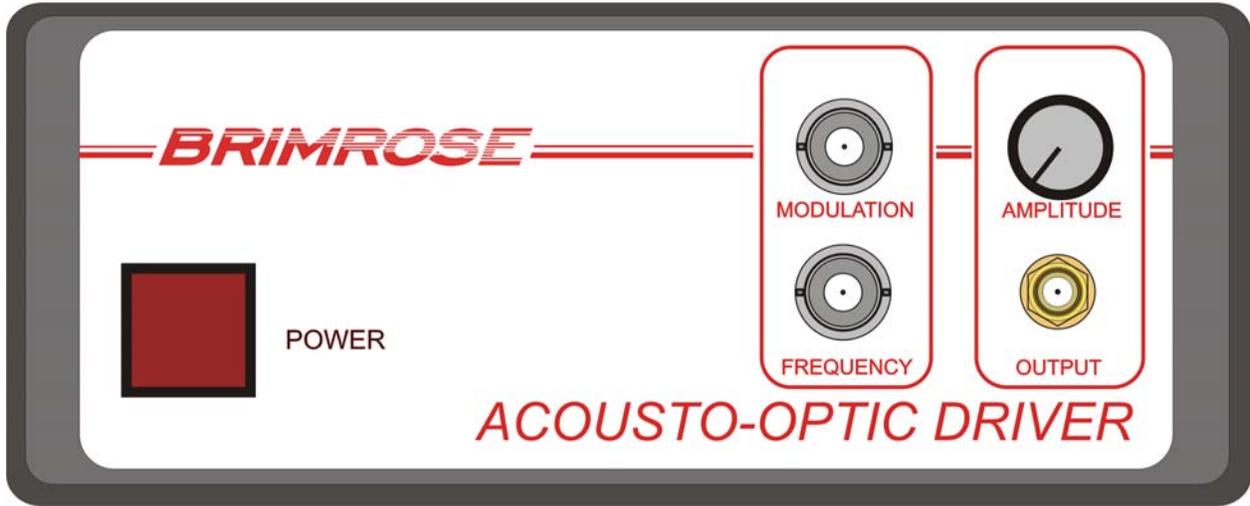


**OPERATING INSTRUCTIONS FOR THE BRIMROSE
VARIABLE FREQUENCY DRIVER WITH VOLTAGE CONTROLLED
TUNING, ANALOG MODULATION (B1) AND VARIABLE POWER**



1. CABLE CONNECTIONS.

For cable connections please refer to Figure 1.

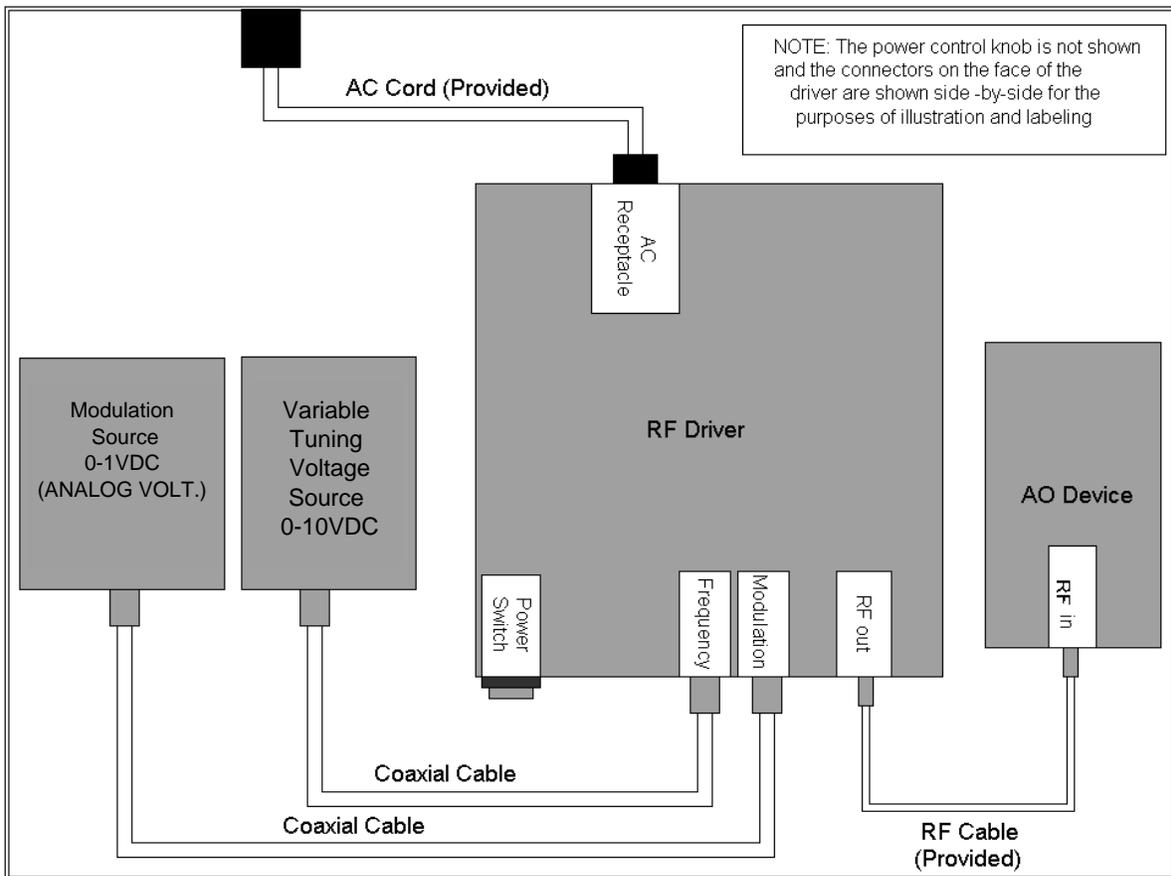


Fig.1

Connect the R.F. cable provided from the R.F. output port of the driver to the SMA connector of the AO device.

2. AC POWER

Make sure that the power switch is in the OFF position.

Turn the knob located on the front panel that is labeled AMPLITUDE fully CCW.

Connect the power cord provided from the IEC connector on the rear panel to a suitable AC source (90-240 VAC). When the power switch on the front panel is pressed, the button will light indicating that the unit is on. Allow a 15-minute warm-up period for the driver to stabilize. When the unit is operated for a long period the heat sink on the rear panel may feel warm to the touch. Be sure to provide adequate ventilation to the unit to prevent overheating.

CAUTION: Do not apply power to the driver for more than 15 seconds without the AO device or a suitable 50-Ohm R.F. load connected.

3. ANALOG MODULATION

Connect a positive voltage source (typical examples are a DC power supply, a function generator, or the output of a digital to analog converter) to the BNC connector, labeled "MODULATION", of the driver. The modulation input range is from 0V (minimum RF power out) to +1V (maximum RF power out).

Note: The absence of a modulation input will result in minimum RF power.

CAUTION: Do not exceed +3V as damage to out the driver might occur.

4. VARIABLE FREQUENCY (Refer to the chart labeled "Tuning Curve, Voltage-Frequency".)
Connect a positive voltage source to the BNC connector labeled "FREQUENCY" located on the front panel. The tuning voltage range is 0VDC (minimum frequency) to 10VDC (maximum frequency). The first number of the model number is the center frequency of the tuning range the second is the bandwidth in megahertz.

CAUTION: Do not exceed +13V as damage to the driver might occur.

5. VARIABLE RF POWER

Turn the knob on the front panel clockwise to adjust the RF power to the desired level (see AO specification sheet). Turn the knob fully CW for the driver's rated maximum output.