

REAR PANEL FUNCTIONS

- "RADIO" This connects to the transmitter or transceiver.
- "ANT" This connects to the antenna.
- RCA Jack This connector can be used to ground key the transmit relay if the input signal is too weak to activate the RF sensing circuit which normally handles the function.
- 6-Pin Remote Connector The RC-1 Remote Control Head connects here.

PRECAUTIONS

- OUTPUT POWER The D-1010-ATVN puts out enough power to cause heating of the antenna coax. RG-8 or equivalent is recommended between the amplifier and antenna.
- HEAT SINK TEMPERATURE Along with high power output, comes the possibility of high heat sink temperatures. The D-1010-ATVN must be mounted where air can circulate over the heat sink. The D-1010-ATVN has a built-in thermostat that will turn it "OFF" at 170 degrees F. The amplifier will not come back on until the temperature drops to 140 degrees F.
- INPUT POWER Input power should not exceed 15 watts. Higher power than this may cause failure of the input transistor. This will VOID ANY WARRANTY.
- SSB OPERATION The D-1010-ATVN can be overdriven causing the SSB signal to be distorted. When using the D-1010-ATVN on SSB, the drive level or the mic gain from the exciter should be adjusted for best "on the air" performance.

INTERNAL ADJUSTMENTS

- SSB DELAY This allows the XMT relay delay time to be adjusted to various lengths. Access to this adjustment is through the hole in the left side of the cover, behind the front panel. A small screwdriver can be used to make the adjustment.
- RF ADJUSTMENTS There are no internal adjustments dealing with the RF amplifier board. Tuning of the RF amplifier is preset at the factory by our technicians.
- FUSE A 35-amp fuse is located under the cover on the PC board. Should the fuse "blow," determine the cause and use the exact type in the unit as a replacement.

"ATV MOD" Remove .1 mfd cap and 10 ohm resistor which crosses over both final power transistors and connects each base to its collect lead. These cap/resistor networks are designed to eliminate low frequency oscillations and will distort ATV signals.

IN CASE OF DIFFICULTY

1. Check for loose antenna or B+ connections.
- 2 Check SWR of antenna.
3. Look for bad or lossy coax.

TECHNICAL ASSISTANCE

If you have any problem with this unit first check the appropriate section of this manual. If the manual does not reference your problem or your problem is not solved by reading the manual you may call MIRAGE at 601-323-8287. You will be best helped if you have your unit, manual and all information on your station handy so you can answer any questions the technicians may ask.

You can also send questions by mail to MIRAGE, 921 HWY 25 South, Starkville, MS 39759 or by Fax to 601-323-6551. Send a complete description of your problem, an explanation of exactly how you are using your unit, and a complete description of your station.