

2000PS
ANTENNA POSITIONER
POWER SUPPLY

OWNER'S MANUAL

**GENERAL
INSTRUMENT**

Video Cipher Division
P.O. Box 700
Hickory, NC28603

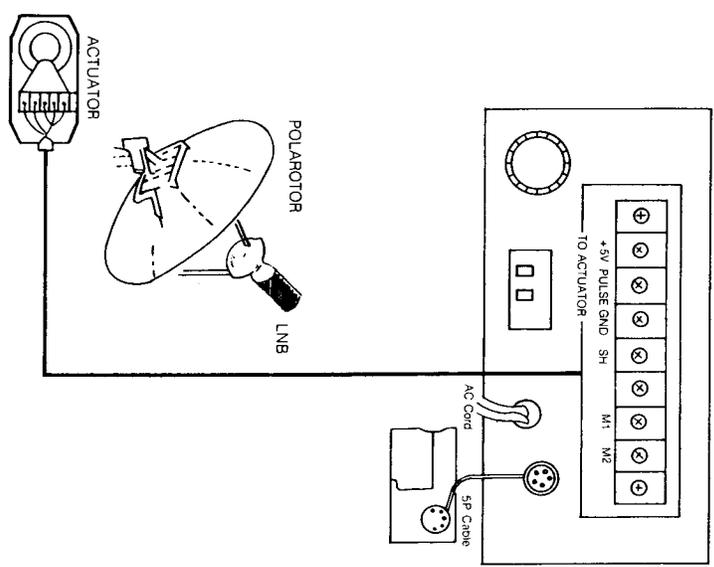
**GENERAL
INSTRUMENT**

IMPORTANT SAFEGUARDS

1. Be sure to read and follow all safety and operating instructions before operating your unit. You should also retain all instructions for future reference.
2. Adhere to any warnings or special instructions which may appear in the operating instructions or on the unit itself.
3. **DO NOT** operate the unit near water (e.g. near a sink, in a wet basement, or near a pool), and **DO NOT** expose the unit to rain as electrical shock or fire could result.
4. Place the unit where the ventilation openings are not obstructed. Warm locations such as near heating vents or radiators should be avoided.
5. The power cord should be routed so that it will not be walked on or pinched by items placed upon or against it. **DO NOT** run a power cord under carpeting. Connect the unit to a power source only of the type described in the operating instructions or as marked on the unit. If you are not sure of the type of power supply to your home, consult your unit dealer or local power company.
6. The unit should be used only with a cart or stand that is recommended by the manufacturer and should be mounted to a wall or ceiling with manufacturer's advice.
7. If the unit is to be left unused for a long period of time, the power cord should be unplugged from the outlet.
8. **DO NOT** attempt to service the unit yourself beyond what is described in the operating instructions. All servicing should be referred to a qualified technician. Should one of the following occur, send the unit to a qualified technician.
 - a) The unit shows a marked change in performance.
 - b) Power cord has been damaged.
 - c) The unit has been dropped or enclosure damaged.
 - d) The unit has been exposed to rain.
9. The unit should be cleaned with a clean dry cloth.
10. Care should be taken so that objects do not fall onto and liquids are not spilled into enclosure through openings.
11. If an outside antenna is used, be sure it is located away from power lines. The antenna should also be grounded to pro-

REAR PANEL CONNECTION

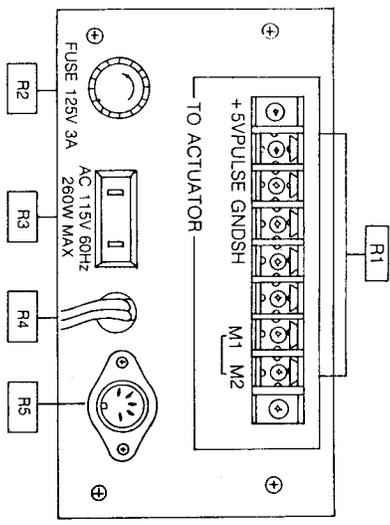
WARNING: This installation should be made by a qualified service person and should conform to all local codes



SPECIFICATION

- Dimension (MM) 140 x 320 x 82
- Input Voltage 115V AC 60Hz 260W
- Output Voltage ±24V/DC

REAR PANEL



R1 TO ACTUATOR

- 1) Hall-effect transistor supply (+5V), +5 volts TTL level continuous.
- 2) Pulse into 2000PS Ant. Positioner. Zero and 5 volts TTL level from either reed switch or Hall-effect type return pulse.
- 3) Ground.
- 4) Shield.
- 5) Isolated motor drive (M1, M2) Min +24 volts DC or Min -24 volt DC.

R2 FUSE HOLDER

Use 125V, 3A Fuse.

R3 CONVENIENCE OUTLET

Provides continuous AC power for the IRD2400R/2500R, TV set, VCR, or a video monitor. AC power is available when 2000PS Antenna Positioner is turned on or off.

R4 POWER SUPPLY CORD

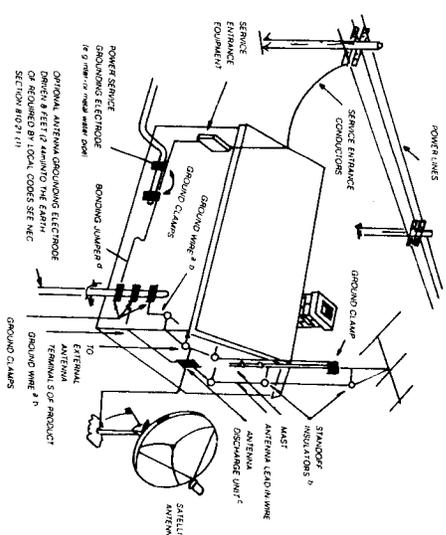
AC power supply cord, 115V, 60Hz.

R5 DIN SOCKET

2000PS Ant. Positioner is interconnected to IRD2400R/2500R receiver through provided cable assembly.

tect against voltage surges and built up static charges. Refer to Figure 1 below.

Figure 1



- a) Use No. 10AWG (5.3mm²) copper, No. 8AWG (8.4mm²) aluminum, No. 17AWG (1.0mm²) copper-clad steel or bronze wire, or larger, as ground wire.
- b) Secure antenna lead-in wire and ground wires to house with stand-off insulators spaced 4ft. (1.22mm) to 6ft. (1.83m) apart.
- c) Mount antenna discharge unit as close as possible to where the lead-in enters the house.
- d) Use jumper wire not smaller than No. 6AWG (13.3mm²) copper, or the equivalent, when a separate antenna grounding electrode used. Sec. NEC section 810-21 (1).
12. Do not defeat the grounding or polarization feature of the AC power cord. If you are unable to insert the plug into the outlet, contact an electrician to install a proper AC receptacle.
13. Do not overload wall outlets and extension cords as this may result in fire or electrical shock.
14. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electrical shock or other hazards.
15. Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
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CAUTION

- To reduce the risk of electric shock, do not remove cover.
- No user serviceable parts inside.
- Refer servicing to qualified service personnel.
- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION

POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

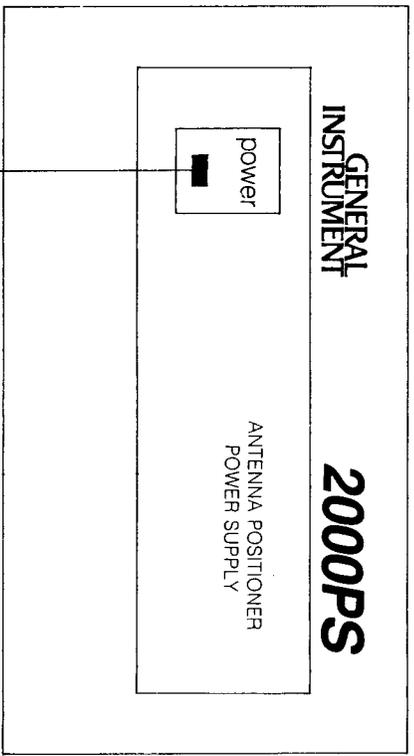


The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FRONT PANEL



R1 POWER INDICATOR LED