

DIGISAT PLUS Operation and Maintenance

TURNING THE UNIT ON

Open the Velcro flap and remove the DC power plug.

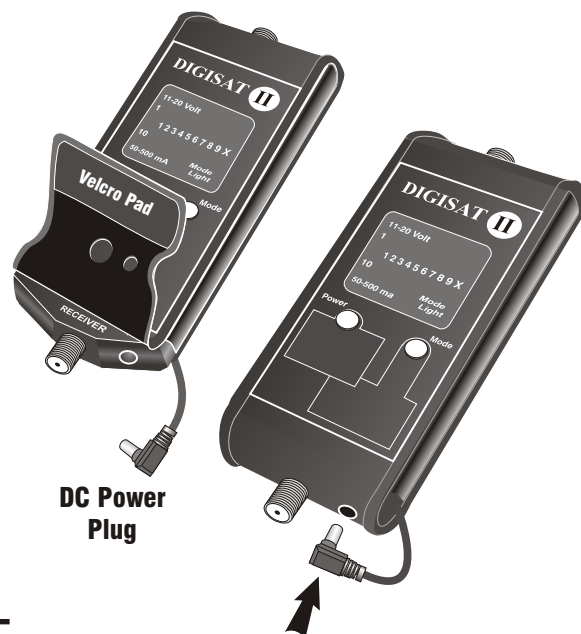
Close the Velcro flap.

Insert the small female plug from the battery pack into the input connector on the bottom of the DIGISAT.

Turn the DIGISAT ON by pressing the power button one time.

After tracking the satellite antenna, press & hold the power button to turn the DIGISAT battery pack OFF.

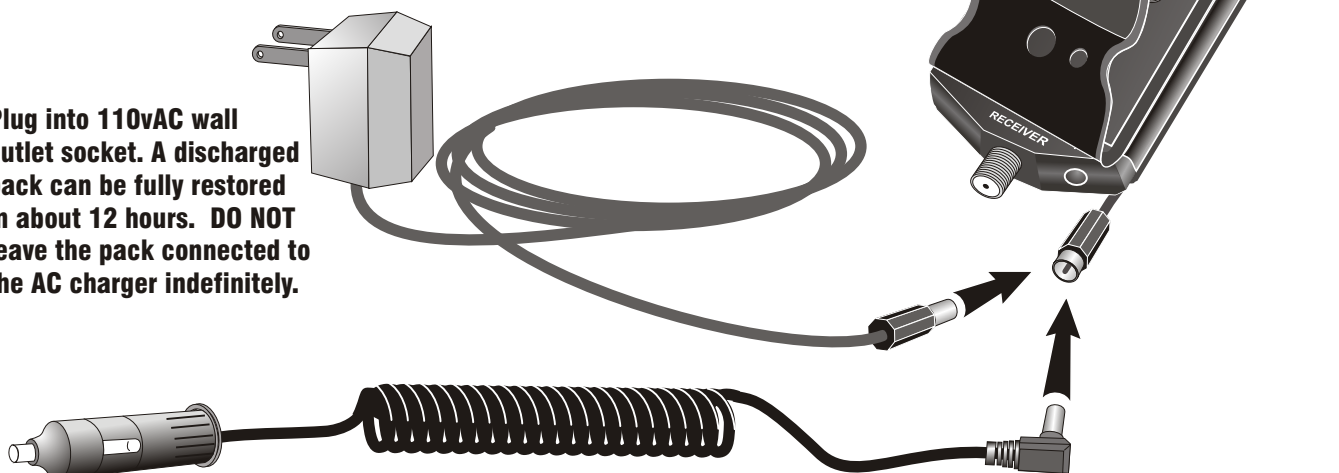
The DIGISAT can operate one LNBF (dual port type) up to two hours on a single charge.



CHARGING THE BATTERY PACK

Plug either AC or DC charger into the male pigtail connector. From a fully discharged state, the AC charger will charge the 400 mA battery pack in about 12 hours. Do not continue charging with the wall charger beyond that time. The DC charger will charge the battery pack fully in 2 to 4 hours.

Plug into 110vAC wall outlet socket. A discharged pack can be fully restored in about 12 hours. **DO NOT** leave the pack connected to the AC charger indefinitely.



Plug into 12vDC (auto lighter) or accessory socket. **DO NOT** continue DC charging beyond 4 hours.

SIMPLIFIED OPERATING INSTRUCTIONS

- 1) Attach the short coax cable jumper supplied with this kit to your LNBF (or LNB) and connect other end of the coax cable jumper to the TOP "F" connector of the DIGISAT.
- 2) Turn the DIGISAT on as illustrated above.
- 3) The audible squawker circuit can be turned ON by pressing the left and right yellow buttons simultaneously.

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Ver 1.6

- 4) DIGISAT comes on in the most signal sensitive mode by default.
- 5) If the LED bar reading maxes out, push the left yellow button once to desensitize the DIGISAT and then fine tune the antenna for maximum DIGISAT reading. Note: the LED readings will not be equal to the satellite receiver meter readings. Two different metering methods are utilized. Tune the dish for the *maximum* reading from the DIGISAT and then tighten the dish mounting bolts.
- 6) To measure LNBF current consumption push the right yellow button one time, (the Mode light will come 'on'). Read the lower LED bar graph. Each lighted segment equals 50mA (3 lighted segments = 150mA). Normal LNBF current draw is 100 to 150mA. No current consumption indicates non functioning, open circuit LNBF. High current consumption above 250mA also indicates a defective LNBF.
- 7) To measure voltage of the *Ni-Cad battery pack* the Mode light must be 'on'. Read the voltage on the upper LED bar graph. Each segment in this scale equals one volt plus ten volts. For example if three (3) LED segments are lit then the voltage is thirteen (13) volts DC. This feature measures the charge of the internal rechargeable battery pack. If the battery pack reads ten (10) volts or less, recharge the batteries.
- 8) To measure voltage provided from a *satellite receiver*, disconnect the internal battery pack and connected the satellite receiver's RG-6 to the bottom "F" connector of the DIGISAT. Make sure the Mode light is 'on'. The DIGISAT will then display the voltage the receiver is providing to the LNBF. *Make sure you disconnect the battery pack first.* Failure to do so can damage the DIGISAT. Receivers will typically provide 14 or 18 volts DC to a LNBF depending on the appropriate polarization required for the channel selected on the receiver.

ADDITIONAL HELPFUL HINTS

- 1) Charge the battery pack fully before you start to use it. DO NOT leave the DIGISAT battery pack on either charger indefinitely. Long periods of charging will overheat the batteries and drastically reduce battery life.
- 2) DO NOT connect the female plug from the battery pack to the male pigtail socket. THIS WILL SHORT OUT THE BATTERY PACK and destroy the battery pack or melt the lead wires.
- 3) If you are using the battery pack to power the DIGISAT, turning the power 'off' and 'on' again will restore the default (high signal sensitivity) level. If you are powering the DIGISAT with a satellite receiver, disconnect the coax from the receiver momentarily to restore the DIGISAT to the most sensitive (default) mode.
- 4) The POWER 'on'/'off' function is disabled when a satellite receiver is connected to the DIGISAT. The POWER button controls the battery pack power supply connection only.

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