

## Specifications

Input Frequency:	950-2150 MHz
Input Level:	20-100 dBV
Through Loss:	3.5 db
Input Impedance:	75 Ohm - "F" connector
Output Impedance:	75 Ohm - "F" connector
Measuring Method:	Signal presentation with LED's Pitch tone on audio speaker
Power Supply:	From receiver through coaxial cable or Optional external 12-18 vDC battery with center pin positive (+)
Power Consumption:	10 mA utilizing LED's 25 mA utilizing audio speaker
Weight	DIGISAT only: 3.1 oz DIGISAT Plus: 9.5 oz (DIGISAT, Case, Ni-Cad pack)
Dimensions	DIGISAT only: 5.75 x 2.15 x 0.84 inches DIGISAT Plus: 5.75 x 2.30 x 2.10 inches
Options:	DIGISAT Accessory Kit Includes: Leather Carrying Case Rechargeable Ni-Cads AC wall charger DC automotive charger RG-6 jumper with quick connectors

# DIGISAT II



### Optional Accessory Kit Includes:

Only

**\$39.95**

Leather Case

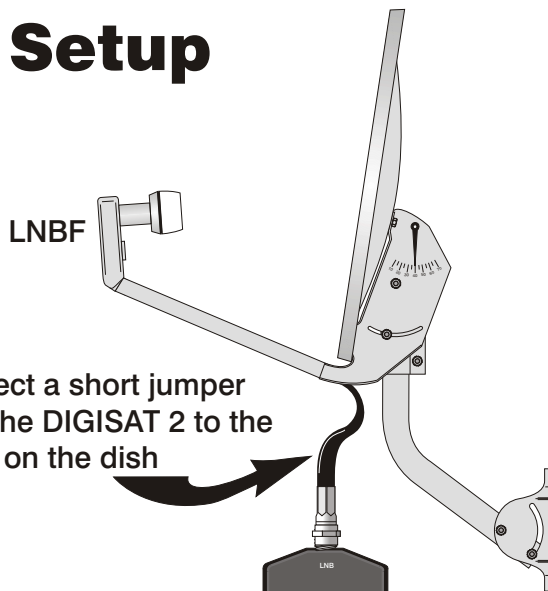
Rechargeable Ni-Cad Battery

Six Foot Coax Cable With Quick-connects

DC Charger

AC Charger

## Setup



Connect a short jumper from the DIGISAT 2 to the LNB on the dish

Functions and meter indications are discussed on the back of this sheet.

Connect the lead wire from the receiver to the bottom of the DIGISAT

Connect the optional battery pack

Connect the DIGISAT 2 to the LNB on the dish with a short coax jumper wire. This short jumper - (provided with the DIGISAT 2 Plus and with the optional kit shown above) - should be connected to the top of the DIGISAT.

The DIGISAT can be powered by your satellite receiver or by connecting it to an optional battery. The battery can remain plugged into the DIGISAT 2 (a new feature) while powering from a satellite receiver. To utilize the battery power when the satellite receiver is NOT connected, simply push the "POWER" button. (See the back of this sheet for all the button functions).

We offer an optional battery pack kit (above) or you can use a 12 to 18 vDC battery pack like a cell phone uses as long as the center pin of the input jack is positive (+).

An optional battery pack may be used to power the DIGISAT without using the satellite receiver. The battery pack can remain connected even when the DIGISAT is not being used (Press and hold the "Power" button for about 3 seconds to turn the battery connection OFF)



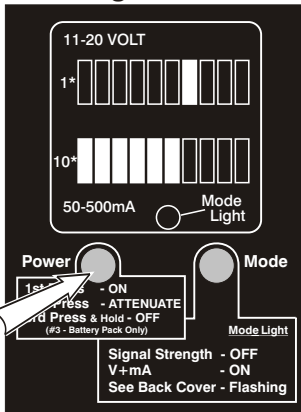
# DIGISAT II **Button Functions and LED Indications**

- 1) Connect the DIGISAT according to the instructions on page 1.
- 2) Press and hold the left yellow button, sequentially press the right button. You will hear a tone. ( see "Volume Control" below)
- 3) Loosen the bolts on the antenna mount so the dish can be moved up and down as well as left and right.
- 4) Move the dish up & down, left & right until the tone you hear is at its highest pitch.
- 5) When the tone is at its highest pitch, tighten the bolts on the mount.
- 6) The LED's can also be used to peak the signal. Adjust the dish for the highest LED signal and tighten the bolts on the mount.

NOTE: The 22KHz light is used to verify polarity change signal in foreign satellite receivers and has no application.

Ver 1.0

## Powering The DIGISAT 2

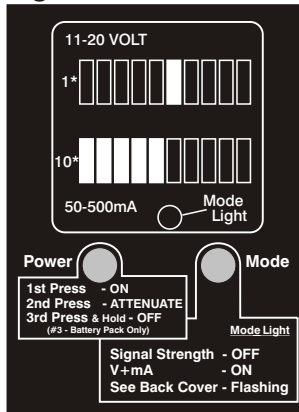


If you connect a satellite receiver to the DIGISAT, the LED bars will light immediately. The DIGISAT is ready to use.

If you are powering the DIGISAT with an optional battery pack, the unit will not respond until you press the "POWER" button. The DIGISAT will then power up in the signal strength mode (at maximum sensitivity).

To Turn the unit OFF, just press AND HOLD the "Power" button till the LEDs go out. (Battery connection only)

## Signal Meter Function

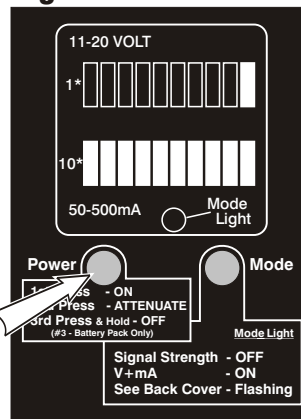


It is not necessary to push any of the buttons to activate this function. The DIGISAT defaults to "Signal Meter" function on startup.

The higher the LED value, the better the signal you are receiving. The upper row of LED's indicate incoming signal in single digits - count the number of lit LED bars (one, two, five etc.). The lower row of LED's indicate signal in tens (ten, twenty, fifty etc.). In this example the meter is indicating a signal strength of fifty six (56).

Note: Your satellite receiver signal strength meter will NOT indicate the same signal strength of "56". The DIGISAT and your receiver use different methods of determining signal strength and will seldom indicate the same number.

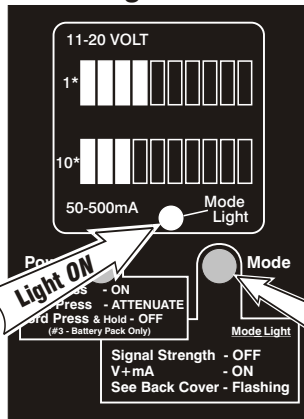
## Signal Meter Maxed



If the "Signal Meter" has maxed out, as illustrated at left, it will be necessary to reduce the sensitivity of the DIGISAT. Press the "Power" button once. This will desensitize the meter and reduce the number of lit LED's.

Now you can continue aligning the dish by peaking the signal out with this attenuated or reduced signal level.

## Checking Volts & mA

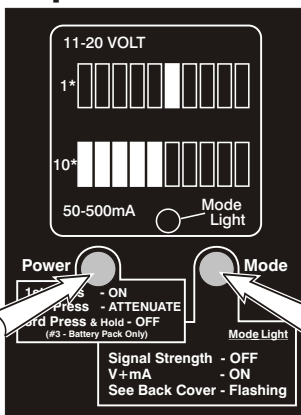


Press the "MODE" button once to switch the DIGISAT to a volt meter. The "Mode Light" will come on and remain steady.

The upper row of LED's indicate the voltage being supplied by the receiver or battery pack. The first LED bar indicates 11 volts. For example in this illustration four (4) bars are lit which indicates fourteen (14) volts being provided by the receiver.

The bottom LED's indicate the milliamp draw of the LNBF. Each bar is 50 mA. One hundred and fifty (150) mA draw is illustrated.

## Speaker Function

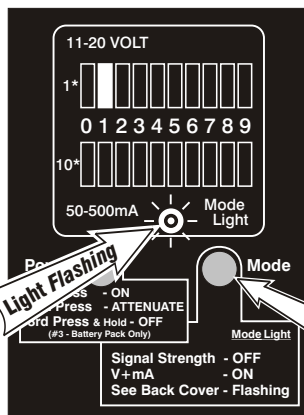


By pressing the function buttons in a sequence, the audible signal will be activated. Note that the DIGISAT must be in the Signal Meter mode for this feature to work.

Press the "Power" button and the "Mode" button in sequence. It does not matter which one you push first, just push both buttons.

To cancel the audio function, press BOTH buttons at the same time. The DIGISAT will stay in the default "Signal Meter" mode.

## "DISH Network" Multi-Dish Digital Switches



The DIGISAT 2 will detect the digital message sent from the "DISH Network" receiver to the Multi-Dish switches. This function is only for DISH receivers. Indications you receive while in this Mode do NOT apply to any other satellite equipment.

To set the DIGISAT for this function press the "Mode" switch until the Mode Light begins to flash. At that time the upper LEDs will light and indicate the digital information being sent to the Multi-Dish switch. Look at the back of the DIGISAT for the interpretation of the upper LED bars.