

## Sat Buddy for Antenna Dish Alignment and Testing

The Sat Buddy is a satellite signal meter that measures relative RF signal strength when connected to a dish antenna. It is ideal for aligning the dish antenna to receive maximum signal strength. The Sat Buddy is also used to verify signal presence within the in-house cabling network. The LNB can be powered from the IRD set-top-box through the Sat Buddy, or from the Sat Buddy's internal battery. The Sat Buddy's ease of use and durable construction make it the ideal basic meter for satellite installers.

# Satellite Installer's Meter Sat Buddy

"Don't install  
without your  
Buddy."



*"Reliability through Simplicity"*

# Sat Buddy

# Satellite Installer's Meter

## FEATURES

- Economical and easy to use
- Rugged metal enclosure
- Compact, weather resistant design
- Internal rechargeable battery
- Strong audible tone, allowing dish alignment by sound
- Bright LED display, easy to read even in direct sunlight
- Sat Buddy and LNB can be powered from battery or IRD
- 12 month limited warranty

## MEASUREMENTS

- Signal strength (RF energy 950 to 2150 MHz)
- LNB current draw (mA)
- Voltage supplied by set top IRD
- Internal battery voltage

## STANDARD ACCESSORIES

- Carrying case with belt clip
- Wall transformer for battery charging, 120 V std., 240 V avail.
- Cigarette lighter adapter for battery charging

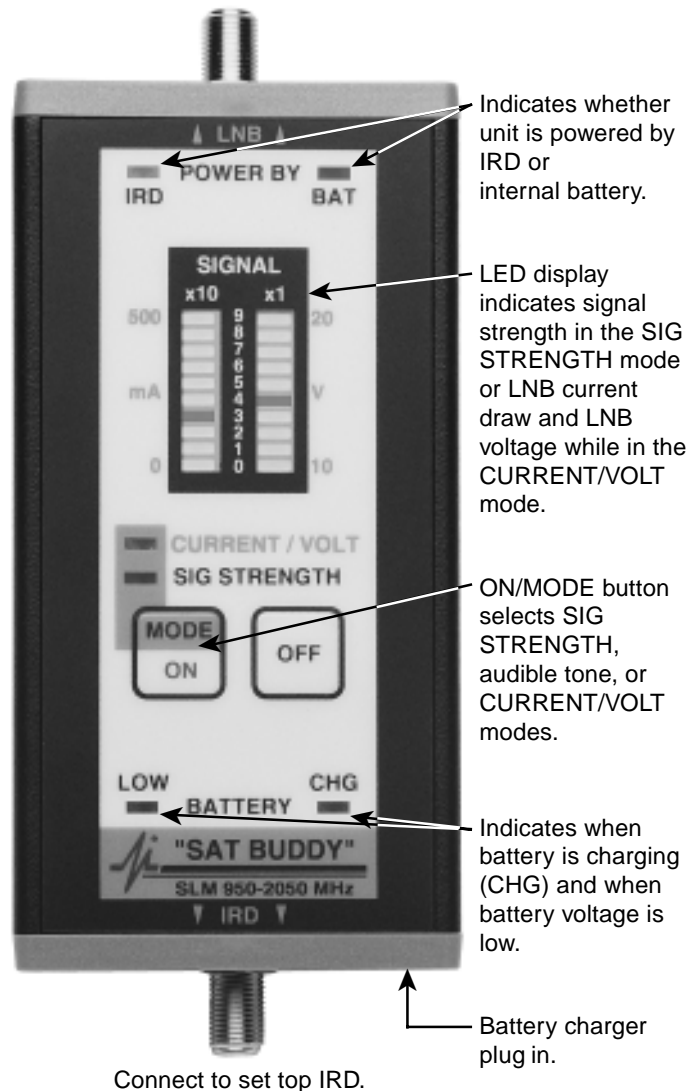
VISA, MasterCard, Amex, Discover accepted

## SPECIFICATIONS

Frequency Range	950 to 2150 MHz
Impedance	75 Ohm
Measurable Input Level	-48 to -8 dBm total power -60 to -20 dBm per transponder
Insertion Loss	3 dB (950 to 1450 MHz) 8 dB (1450 to 2150 MHz)
Size (HxWxD)/Weight	6.5" x 2.7" x 1.1", 1.5 lbs. (16.5 cm x 6.9 cm x 2.8 cm, 700g)
Operating Temperature Range	0° to 125° F (-17° to 50° C)
Connectors	Type F female
Power	Uses IRD power when connected, otherwise uses internal battery. IRD voltage loss through Sat Buddy is 1.3 V. Current consumed by Sat Buddy is 90 mA.
LNB Power from Sat Buddy	Uses internal battery voltage 12 to 16 V, current limited at 400 mA. Able to continuously power a typical LNB (100 to 150 mA) for 1.8 hours.
Internal Battery Pack	Rechargeable 12 cell (1.2 V, 2/3AA NiCd) 320 mAh, 14.4 V nominal. Automatic shut off when battery voltage drops to 12.0 volts.
Battery Charge Time	10 hours from wall charger
Wall Charger Output	12 VDC, 200 mA, center pin positive, 2.1 mm I.D.
Signal Measure Mode	<ul style="list-style-type: none"><li>• Signal Level Display Bargraph LEDs one row x 10, one row x 1</li><li>• Audible Tone Dual beep rate with solid tone at peak</li></ul>
Current/Voltage Mode	<ul style="list-style-type: none"><li>• LNB current draw 0 to 500 mA (each LED segment is 50 mA)</li><li>• LNB supply voltage 10 to 20 Volts (each LED segment is 1 V, above 9 V)</li></ul>

Specifications subject to change without notice.

Connect to dish antenna LNB.



When your signal test-and-measurement needs increase beyond the capability of Sat Buddy, consider stepping up to one of Applied Instruments' more capable meters:

- Sat 9520: (950-2150 MHz) Signal level, C/N, IRD signal quality, BER, locks onto major service providers signal allowing user to know they are aimed at correct satellite. Simplifies two-way Internet satellite installations.
- MDU meter: (5-2150 MHz) Most versatile. Measures analog and digital DBS, CATV, VHF/UHF and MMDS signals.

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