

“Dual Buddy”™

Satellite Signal Meter
User Instructions



DEFINITIONS

- LNB:** Low Noise Block amplifier. The portion of the antenna-dish that receives the high-frequency signal reflected from the dish and then down-converts it to the L-band (950-2150 MHz).
- IRD:** Integrated Receiver Decoder. Also referred to as the set-top box or satellite receiver. The IRD processes the digital data carried by the RF signal and then provides the baseband picture signal to the television.
- RF:** Radio Frequency signals
- Cable:** 75 Ohm coaxial cable
- Dish:** Oval shaped antenna hardware mounted on the exterior of the customer’s premises.

INTRODUCTION

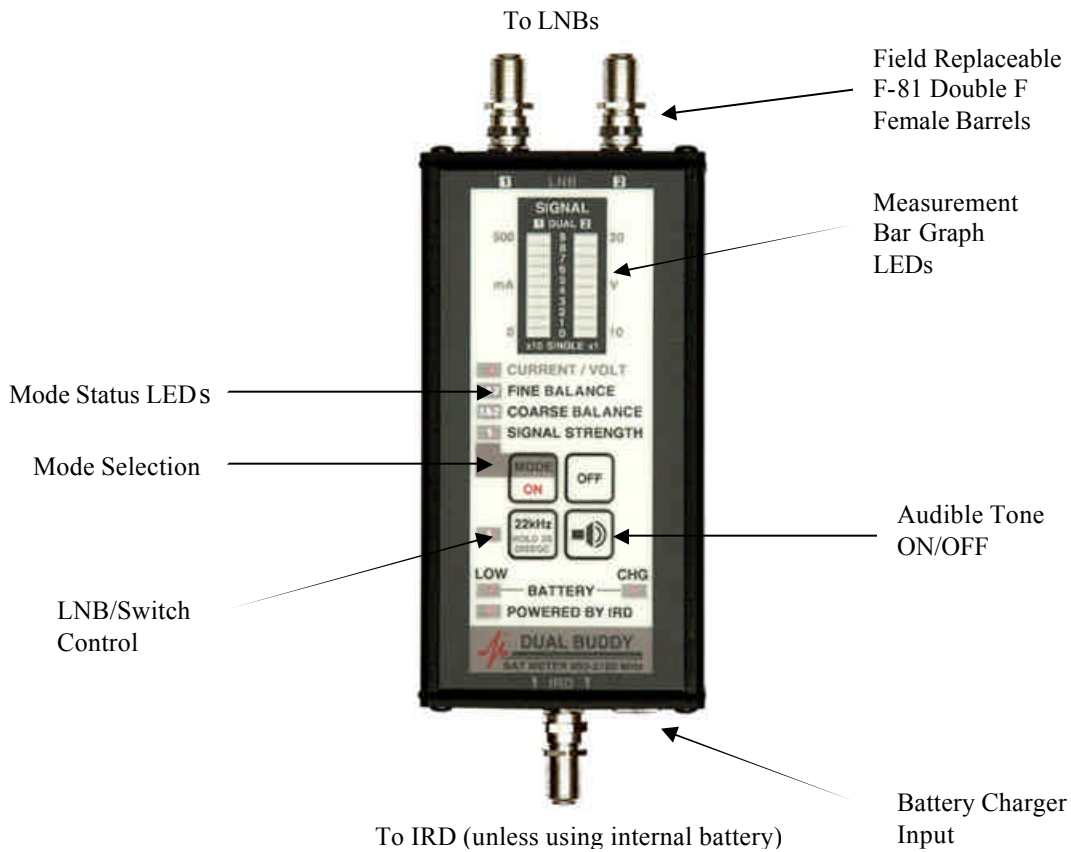
The Dual Buddy™ satellite meter measures relative RF signal strength when connected to a dish antenna. It is designed for installing and maintaining typical DBS residential satellite systems. In the balancing modes, the Dual Buddy™ measures two satellite feeds and displays their relative signal strength. The Dual Buddy™ also measures LNB current and the voltage being supplied to the LNBs. It can power LNBs and multi-switches using its internal battery or allow IRD power to run through it.

Each Dual Buddy™ package contains:

- Dual Buddy™ meter
- Protective rubber boot with clip
- Wall plug transformer for charging battery
- Vehicle power adapter for charging battery in automobile
- Instruction page

Order From:  **MULTICOM**

Toll Free: 800-423-2594
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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.....	14 dB (950 to 1450 MHz) 22 dB (1450 to 2150 MHz)
Size (HxWxD)/Weight.....	6.5" x 2.7" x 1.1", 1.0 lbs. (16.5 cm x 6.9 cm x 2.8 cm, 455g)
Operating Temperature.....	0° to 125° F (-17° to 50° C)
Connectors	F81 Double F female barrel (field replaceable)
Power	Uses IRD power when connected, otherwise uses internal battery. IRD voltage loss is 1.3 V.
LNB Power	Current limited at 600 mA.
Internal Battery Pack.....	Rechargeable 12 cell NiMH, 350 mAh, 12-16 volts nominal, 10 minute automatic shut off, 1.3 hours typical use per charge.
Battery Charge Time	12 hours from wall charger
Wall Charger Output	12 VDC, 200 mA

Signal Measure Mode

- Signal Level Display.....Bar graph LEDs
- Audible Tone.....Dual beep rate with solid tone at peak and when balanced

Current/Voltage Mode

- LNB current draw0 to 500 mA (each LED segment is 50 mA)
- LNB supply voltage10 to 20 volts (each LED segment is 1V, above 9V)

Specifications subject to change without notice.

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