Super Buddyä
Features and Specifications
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The Super Buddy is more than just another satellite identification and peaking meter. It has a range of features designed to assist in installation, trouble-shooting and testing of many different satellite systems.

Mechanical
- Field Replaceable F - connectors (barrel connectors)
- Rugged durable aluminum case with rubber shock guards and weatherproof gaskets
- Current Limit Level of 750 mA
- Quick charge battery with universal AC or vehicle 12 VDC
- USB Computer interface for upgrading via Internet
- Audible tone for signal lock and peak

Satellite Database
- Positive ID multi-lock algorithm eliminates false positives
- Field Guide holds ALL satellites and ALL their transponders for your region
- Software updates are available as free downloads from www.appliedin.com
- Manual tune screen allows entry of custom satellites using front panel keypad

Zip Code Lookup
Enter a U.S. Zip Code, Canadian Postal Code, or Latitude and Longitude coordinates to use the following features:
- Display azimuth, magnetic heading, elevation and polarization offset for any satellite
- Display skew or tilt for DIRECTV or Dish Network multi-sat dishes
- Access Wild Blue beam definitions and display arm angle and APA settings

Measurements
- Tunes to individual transponders
- Calibrated Signal Level (dBm, dBmV or dBµV) with present and peak bar graph
- Signal Quality (displayed with familiar IRD value with present and peak bar graph or as C/N, Eb/No, or Es/No)
- Bit Error Rate (Post-FEC, Reed Solomon)
- Voltage supplied by IRD
- Current drawn by LNB
- LNB frequency deviation (kHz) to check for LNB drift

Switch Control
- DiSEqC (both committed and uncommitted)
- 22 kHz
- DIRECTV™ B-Band converter
- Dish Legacy
- DishPro
- Zinwell 6x8
- And more…

Advanced Testing
- Proof of Performance Test: scan all transponders, save readings and then upload to your PC
- DiSEqC command monitor – monitors DiSEqC command codes from IRD or other device
- Noise Scan – test the frequency response of a cable network (similar to a sweep test)
- Limit Scan – quick test of up to 5 transponders per satellite with pass/fail indication

Compatible Systems

In addition to the standard DSS, DVB-S, and Digicipher 2 systems, the Super Buddy is compatible with the following:

- Low Ku Band FSS Satellites (i.e., Globecast / Telstar 5 / IA5 / Galaxy 25)
- Bell ExpressVu
- C-Band
- DIRECTV™ Slimline, MFH-1, MFH-2, SWM and SWM-ODU systems (signal strength only for Ka band signals)
- Dish Network™ (including Eastern Arc and 118.7 and 129 satellites with locking on 8PSK HD signals)
- DTN
- HughesNet Ku (also displays cross-pol data from modem)
- StarBand
- Star Choice
- Tachyon
- VSAT systems
- Ka Band (Wild Blue™ - includes signal level and zip code look up of beam information)
- Glorystar
- Home2US
- Sky Mexico
- Skyway USA

Specifications

	Frequency range	950 to 2150 MHz
	Tuning resolution	Individual Transponders
	Signal level range	-70 to –10 dBm (-21 to +39 dBmV) (+39 to +99 dBµV)
	Level accuracy	+/- 2 dB typical, 3 dB max
	Signal lock formats	DSS, DVB-S, Digicipher 2, 8PSK Turbo
	Impedance	75 Ohm
	LNB power	13 VDC for V/R, 18 VDC for H/L, Current limited at 750 mA
	Switch control	22 kHz, DiSEqC, DISH Legacy
	Battery	Rechargeable NiMH 7.2V, 3.0 Ah
	Run time/charge	3 hours for a single LNB (depends on LNB current draw)
	Universal AC charger	100 to 240 VAC, 50/60 Hz, fast charge and then trickle
	Vehicle Charger	12 VDC
	Computer interface	USB
	RF Connector	Double-F barrel field replaceable
	Size (W x H x D)	6.8" x 6.4" x 3.2"
		(17.3cm) x (16.3cm) x (5.8cm)
	Weight	2.9 lbs. (1.3 kg)
	Operating temperature	0°F to 125°F (-17°C to 51°C)

Standard Accessories

- Shoulder strap
- Cordura protective flap
- AC Line Cord for charging battery (Universal 100 to 240 VAC Transformer is built into the meter)
- Automobile cigarette-lighter adapter battery charge cord
- PC Download cable (USB)
- Operation Manual
- Training video (DVD format)

Options

- Built-in 21V module for powering DIRECTV SWM-ODU and aligning without power inserter

Optional Accessories

- Blue Bunny - voltage converter for Wild Blue installations – tech can align dish before hooking up modem
- SWiM Kick 21 – external voltage converter for DIRECTV SWM-ODU – align dish without power inserter
- NS-1 Broadband Noise Generator – for use with Super Buddy Noise Scan feature to check coax cable integrity