

satlook

NIT COLOR



Features

- DVB satellite-receiver 920-2150MHz
- Spectrum-analyzer with expanded spectrum
- Automatic Satellite identification
- 5" 16:9 LCD color display
- DVB-S (Free to Air) and Analog TV-picture
- Digital BER, QPSK and S/N-ratio
- Satellite-ID and TV/Radio-channel info
- DiSEqC according to level 1.0, 1.1 and 1.2
- LNB voltage 13/18V, 22KHz tone switch
- KU- and C-band (normal/inverted video)
- Lots of memory positions for spectrum pictures
- Tuneable audio bandwidth 5.5-8.5MHz
- RS232 for PC-connection (up/download)
- Rechargeable Li-Ion battery
- Nice & small, only 3Kg complete with carrying case

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The SATLOOK NIT COLOR is a swedish made SAT-TV instrument and spectrum-analyzer. The unit is made for exact alignment and adjustment of satellite-dishes. It is intended for professional use when high accuracy and precise information are needed.

It´s easily operated without a lot of unnecessary buttons and knobs. The basic functions are easy to get a hold on and takes only minutes to learn.

The instrument is provided with a 5" 16:9 LCD-monitor which either shows "Free to air" SAT-TV-channel (Digital or Analog), the frequency spectrum 920-2150 MHz (or parts thereof) alt. Digital data. Menus/help-displays are shown on the LCD-screen (64x128) beside the monitor.

"Free to air" Digital (DVB-S, QPSK) and Analog SAT-TV channels can be tuned in and viewed upon (Multistandard Video PAL, NTSC and SECAM). Audiofrequencies between 5.5 - 8.5 MHz can be listened to.

The spectrum can be expanded (zoom in) for correct adjustment of the polarisation ("cross-polarisation"). The instrument has very high resolution and accuracy. It presents measured data ± 2 dB (at around 20 °C).

SATLOOK NIT COLOR presents, under one of the sub menus, digital information like BER (bit error rate), constellation-diagram (QPSK) and S/N (signal/noise ratio).

SATLOOK NIT COLOR can identify the various TV satellits by reading out the NIT in the bitstream (NIT = Network Information Table). The NIT also contains info about the transponders TV and Radio channels.

SATLOOK NIT COLOR can handle a lot of memory-positions and both spectrum-pictures and certain frequencies can be saved (both analog and digital transponders).

The polarisation of the LNB is switchable 13V/ 18V and the Hi-Lo band with 22 kHz-tone. The DiSEqC-function controls all DiSEqC-accessories (like switches, LNB´s and actuators).

The power of the instrument is supplied by a built in and rechargeable Li-Ion battery. Even though the instrument has a lot of functions it is still very light and flexible.

Technical specification.

Input frequency:	920-2150MHz, easily reduced to 250 MHz (max zoom in).
Frequency display:	Yes, IF default. All standard LNB L.O. can be setup.
Min level in:	About 35 dB μ V (noise).
Max level in:	About 90 dB μ V.
Attenuation:	15 dB attenuator on/off.
Display of signallevel: (analog)	dB on LCD-monitor. Pitch-tone.
Accuracy:	± 2 dB (at +20 °C)
Display of signallevel: (Digital)	S/N (signal/noise-ratio) BER (bit error rate) Constellation (QPSK)
Satellite-identification:	Yes, by reading out the NIT in the beatstream. Info about the TV and Radio channels.
TV/Audio standard:	Multi TV/Audio (PAL, NTSC, SECAM). Yes, selectable.
KU- C-band:	Adjustable between 5.5 and 8.5 MHz
Audio bandwidth :	75 Ohm, BNC-con.
Input impedance:	5" 16:9 LCD color display
Picture-screen:	On LCD 64x128.
Menus:	100 spectrum pictures can be stored with name. Stored spectrum can be mixed for easy identification of satellite.-"Maxhold"-function.
Memory:	Yes, RS232-output
PC-connection:	Yes, 13-18V.
Power out:	Yes, on/off.
22 kHz tone:	Yes, all 1.0 and 1.1. Also Toneburst on/off.
DiSEqC:	Built in positioner for DiSEqC 1.2, SatScan and SatSelect.
DiSEqC actuator:	Rechargeable 12v, 3.5 amp/hour. About 1 hour on a fully charged battery.
Battery:	About 3 kg incl.battery.
Operational:	Nylon carrying-case.
Weight:	Power-supply, 220v/13.5v, 1.7amp.
Accessories:	Car-charger. BNC/F-adapter.