

# DIGITAL SATELLITE FINDER **DSF-1**

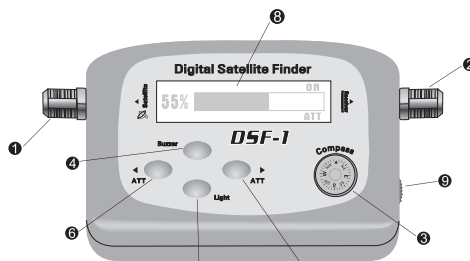
## Owners Manual

### Overview:

The digital SATFINDER is microprocessor controlled, making it very reliable and accurate. Signal strength is presented graphically on the LCD-display in form of thermometer-scales and in numbers (0-99). It can also present pitch tones (the higher tone the better signal) on a buzzer. The digital SATFINDER is very sensitive and can detect the weakest of signals, strong incoming signals (powerfull satellite, big dishes ) can easily be attenuated for better readout.

### Controls/Functions:

1. LNB Connecting Port
2. Receiver Connecting Port
3. Compass
4. Buzzer Control Key
5. LED Backlight Control Key
6. ATT Increasing Key



If the incoming signal is too strong, (the thermometer-scales shows max and the signal strength value shows 99) it can easily be attenuated by enabling this "attenuation" function, it reduces the incoming signal to a lower level. There are four step attenuation totally.

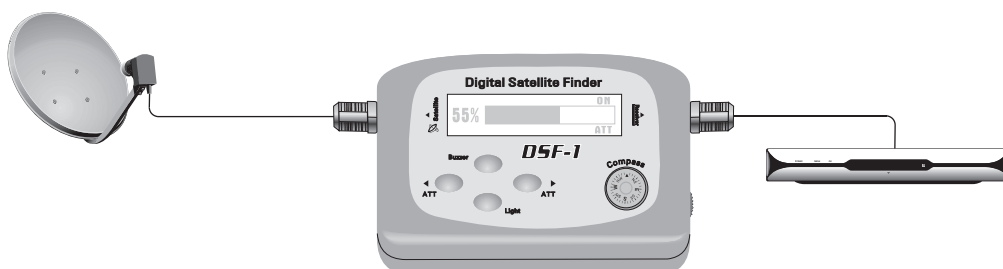
7. ATT Reducing Key(The function is contrary to above item)
8. LCD Graphic Display

It can display various measured parameters for the function you selected. It has LED Backlight which user can freely turn on or turn off.

9. Adjustable knob

How to connect:

1. connect a jumper cable from the LNB to the "Satellite" port on the digital SATFINDER.
2. connect the cable from your satellite receiver to the "Receiver" port on the digital SATFINDER



### Operation:

1. Switch the satellite receiver on, the digital SATFINDER will turn on by itself.
2. Set your dish to the proper azimuth and elevation settings.(The information should be supplied with your satellite dish).
3. Adjust the knob until the signal strength display at 0%(the critical point).
4. Peak the signal by slowly moving the azimuth and elevation of your dish. The higher values, the better signal. If the digital SATFINDER's reading becomes full scale, you can adjust the "ATT" to reduce the incoming signal to a lower level. Continue to move the dish until you have the highest possible meter reading and the highest possible buzzer pitch.
5. Remove the jumper cable and digital SATFINDER, and reconnect the LNB/LNBF to your receiver.

### IMPORTANT NOTES:

✖ To avoid a continuous full scale reading, do not use the digital SATFINDER directly in front of the dish.

✖ When using a LNB with gain higher than 60dB, insert a 5dB attenuator between the LNB/LNBF and the digital SATFINDER.

In case no satellite receiver is at hand a 13-18V DC power supply with F-connector can be connected on the "Receiver" side of the digital SATFINDER to power the SATFINDER.

Input frequency	950-2150MHz	Input impedance	75Ohm , F-connector	Operating range (LNB gain )	52~60dB
Input level min.	-40dBm	Output impedance	75Ohm , F-connector		
Input level max.	-10dBm	Power supply	DC 13-18V		

★ Under the following test condition:LNB gain =55dB, the carrier C/N=15dB.

★ Insert a 5dB attenuator when operating with LNB gain =60 ~ 65dB.

Note:all specifications cited in this leaflet are subject to change without notice .