

TV & SAT SIGNAL FINDER(Digital + Analog)

The **TV & SAT Signal Finder** is a highly sensitive and accurate combined UHF/VHF Antenna and Satellite signal finder. It incorporates both audio and visual signal indication and UHF/VHF signal finding has much improved sensitivity giving greater accuracy for aerial alignment in areas with poor signal strength.

Instructions for use as a UHF/VHF TV signal finder when using an aerial:

- Fit the 9V battery (supplied) into battery holder within the battery compartment at the rear of the **TV & SAT Signal Finder**.
- Connect your directional aerial lead to the socket marked “ANT IN”. Note, if your aerial system incorporates an adjustable signal amplifier/booster, the best procedure is to first follow the steps below and find the strongest signal with the booster set to “low” boost setting, and if none can be found, then try again with the setting to “high/normal” boost.
- Turn on the power switch, located on the right side of the unit and the green “ON” power indicator will light. The audio signal will be heard as a continuous tone when one or more LED’s are lit.
- Rotate the directional aerial, watch the LED’s and/or listen to the audio tone. As the signal level improves, the pitch of the tone will increase and more LED’s will light. The best position for your aerial will be indicated by the greatest number of LED’s being lit and the highest pitch of audio tone. If you have found the signal with your booster set to “low”, you may now switch your booster to “high/normal” if required.
- The Finder can now be removed from the aerial lead which can be re-connected to your TV or set-top box. You are now ready to tune your TV to receive the best quality TV signal available in your area.
- If you have difficulty tuning then you may wish to try re-connecting and continue rotating the aerial to the next highest signal is found. So you may need to repeat the procedure for each mode. A tip is to look around to see how the local fixed aerial installations are oriented as a starting point.

Instructions for use as Satellite signal finder:

- There is no need to fit a battery or switch on the unit when used as a satellite finder as it is automatically powered by the satellite receiver once the connection is made.
- Connect the cable from the satellite receiver to the connection marked “SAT RX” and the dish’s LNB to the connection marked “SAT LNB”.
- Once connected, the unit will be powered from your satellite receiver and if all connections are made correctly, the first 3 to 5 LED’s (depending on the model of LNB) will light up and the audio tone will be heard. On a non-aligned dish, this is the received signal starting point.
- By adjusting the direction and elevation angle of the dish, the finder will indicate any signal received from a satellite. You must first find out the elevation angle for the required satellite for your location. Watch the LED’s and listen for the audible tone. When the dish becomes aligned, the pitch of the tone will increase and more LED’s will light.
- The best position for your dish will be indicated when the greatest number of LED’s are lit and the audio tone is at its highest pitch. Once that position is found, the elevation angle may be fine tuned. Successful alignment with the correct satellite will be confirmed by your satellite receiver (see the receiver’s instructions.)
- When the signal has been found and a picture is being received, disconnect the lead from the LNB and re-attach the cable from the satellite receiver. The **TV and SAT Signal Finder** is not weather proof and so must not be left permanently connected.

Because of the wide band nature of this signal finder, erroneous readings may occur if used in close proximity of transmitting sources (cell phone, wi-fi, tetra, wireless equipment etc). The indicated signal

level is a guideline only and absolute accuracy is not guaranteed.

Technical Specification:

Power Requirement --- 9V Battery. Avg. 60mA. (or automatic power via Satellite Receiver connection
13-18VDC)

Battery Life -----Zinc (6F22) better than 6Hrs continuous use.
Alkaline (6LR61) better than 10Hrs continuous use.

Frequency Response---TV Antenna 40-860MHz
SAT, 950-2150MHz

Sensitivity: ANT input, 4 channels/MUX's, +/-2dBuV, 75Ω
(single channel sensitivity in square brackets)

- 1 LED44 [63] dBuV.... Low signal, not all TV services may be available
- 2 LED's ...47 [66] dBuV.... Minimum signal, not all TV services may be available
- 3 LED's ...51 [69] dBuV.... Minimum signal, not all TV services may be available
- 4 LED's ...54 [72] dBuV.... Optimum signal
- 5 LED's ...59 [75] dBuV.... Optimum signal
- 6 LED's ...61 [78] dBuV.... Optimum signal
- 7 LED's ...64 [81] dBuV.... Optimum signal
- 8 LED's ...68 [84] dBuV.... Optimum signal
- 9 LED's ...71 [87] dBuV.... Optimum signal
- 10 LED's ...74 [90] dBuV.... Optimum signal
- 11 LED's ...78 [94] dBuV.... Optimum signal
- 12 LED's ...81 [98] dBuV.... Strong signal, attenuation may be required

SAT input – Visual / Audio indication only

Frequently Asked Questions:

Q. I have lots of leds lit on the signal finder and yet my TV reception is not good on all channels.

- Try switching your booster to low / normal, and continue to rotate the aerial until the next maximum peak. If you do not have the facility to switch your booster, try fitting the Signal Finder between the aerial and the booster.
- If your aerial is horizontal, try adjusting so that it is vertically polarized.

Q. How do I check the battery on my Signal Finder?

- As long as the green power LED shows brightly, the battery is good.

Q. Can I use the TV & SAT Signal finder in line with my aerial and receiver?

- The TV & SAT Signal finder cannot be used in line, simply plug your TV aerial into the Signal Finder, align your aerial then re-fit the lead to the TV.

Q. How can I find out the Elevation angle for my satellite dish for my location?

- The Internet is a good source of such information

Q. How do I adjust the elevation angle on my satellite dish?

- The elevation angle is how high into the sky, the dish is directed. All dishes are different, but most have some way of indicating the rough elevation angle and a means of screw / nut locking for the mechanism. There should be an indicated guide in degrees. Please remember that this relies on the dish being mounted either level or on a perfectly vertical pole.

Q. My Signal Finder doesn't automatically power up when I connect it to my satellite dish/receiver.

- The automatic power function relies on a sound cable connection between the receiver, Signal Finder and LNB. Please check that the cable is not damaged or faulty and that the receiver is switched on and not in

standby.