



FRINGE LEISURE

Pro TV & SAT

Signal Finder



User Guide

**Guaranteed
for 3 Years!**

Your TV & SAT Signal Finder is guaranteed for a period of 36 months from date of purchase, this is on a "return to base" basis and proof of purchase will be required. Please contact us if you would like to claim repair / replacement under these terms. Your statutory rights are not affected.

PRO TV & SAT SIGNAL FINDER

The **Pro TV & SAT signal finder** is a highly sensitive and accurate combined UHF TV and satellite signal finder. It incorporates both audio and visual signal indication and UHF signal finding has much improved sensitivity over previous models giving greater accuracy for aerial alignment in areas with poor signal strength.

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

- ⇒ Fit the 9V PP3 battery (supplied) into battery holder within the battery compartment at the rear of the **Pro TV & SAT signal finder**.
- ⇒ Connect your directional aerial lead to the socket marked "TV". 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 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. Also note that main TV transmitters require your aerial to be horizontally polarized, and local transmitters, vertical. 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 REC" and the dish's LNB to the connection marked "SAT LNB". A white patch lead is included for this purpose.

- ⇒ Once connected, the unit will be powered by 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 (usually Astra 2 for U.K. viewers) for your location. Then, turn the face of the dish towards the north. Now, (depending on the type of dish) adjust the dish's angle, and then slowly and smoothly turn the dish through east towards the south. 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 **Pro 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 PP3 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 - 470-860Mhz
SAT - 950-2100Mhz

Sensitivity: TV input, 4 channels/MUX's, +/-2dBuV, 75Ω

(single channel sensitivity in square brackets)

- 1 LED44 [49] dBμV.... Low signal, not all TV services may be available
- 2 LED's ...47 [52] dBμV.... Low signal, not all TV services may be available
- 3 LED's ...51 [56] dBμV.... Minimum signal, not all TV services may be available
- 4 LED's ...54 [59] dBμV.... Minimum signal, not all TV services may be available
- 5 LED's ...59 [63] dBμV.... Optimum signal
- 6 LED's ...61 [66] dBμV.... Optimum signal
- 7 LED's ...64 [69] dBμV.... Optimum signal
- 8 LED's ...68 [72] dBμV.... Optimum signal
- 9 LED's ...71 [76] dBμV.... Optimum signal
- 10 LED's ...74 [79] dBμV.... Optimum signal
- 11 LED's ...78 [83] dBμV.... Optimum signal
- 12 LED's ...81 [86] dBμV.... Strong signal, attenuation may be required

SAT input – Visual / Audio indication only

The **PRO TV & SAT SIGNAL FINDER** (excluding battery) is guaranteed for a period of 36 months from date of purchase.

Fringe Electronics Ltd. Reserve the right to change product specifications without notice.

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