

DIGITAL TERRESTRIAL TELEVISION HUNTER

TVHUNTER+: Aligning antennas fast and easily

The **TVHUNTER+** is a small handheld easy to use meter, that has been designed for the installation of Digital Terrestrial Television for both DVB-T and **DVB-T2** systems. The **TVHUNTER** has become a widely popular tool for DVB-T antenna alignment. The key factors have been its small pocket size and ease of use, still offering proper measurements. As a natural evolution, **TVHUNTER+** is now available allowing full compatibility with **DVB-T2** standard for the High Definition digital terrestrial TV broadcasting.

Easy to use



1.- Detection

It detects signals from any analogue or digital terrestrial broadcast with the built-in wide band detector. In this mode the meter shows information about the received signal power in the form of two graphic bars with two different time constants and an audible indicator to help align the aerial to the optimum detection.

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				RI	ATE				41× 40×
		Т	VH		N B-T/		R	+	

SCAN.- The TVHUNTER+ allows a broadcast search in DVB-T and DVB-T2.

2) RESCAN	3) SAVE
•	•
CHANNEL:	C69
FOUND:	16



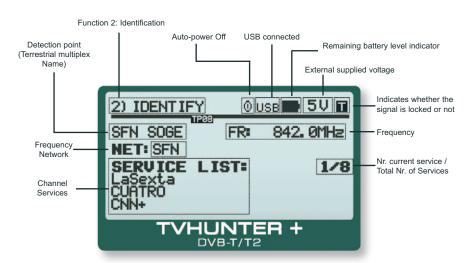


External antenna power

The meter includes a power supply for external active antennas or preamplifiers. It is possible to select 5 V, 12 V, 18 V or 24 V depending on the requirements of the external device.

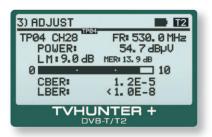
2.- Identification

In this mode the **TVHUNTER+** shows information about the received digital channel and programmes included in the service list as well.



3.- Adjustment

It allows fine pointing the reception antenna, to optimise the digital measurements such as channel power, MER, VBER and CBER on preselected channels. All information is displayed on the screen in a very convenient way so that optimising the aerial alignment becomes really easy. MER in particular is shown numerically and through a graphic bar as well. VBER and CBER can be shown together or graphically.







SPECIFICATIONS	TVHUNTER+			
TUNING				
Frequency range Measurement points	170 MHz to 858 MHz (UHF) 50 maximum			
RF INPUT				
Impedance Connector Level range Maximum signal level	75 Ω Universal, including BNC, DIN and F interchangeable adapter 40 dBμV to 100 dBμV DC to 100 Hz 30 Vrms 170 MHz to 858 MHz 120 dBμV			
DIGITAL SIGNALS MEASUREMENTS				
DVB-T (COFDM) MEASUREMENTS				
Power MER CBER VBER Link Margin	40 to 100 dBμV 0 to 35 dB 1E-6 to 1E-1 1E-8 to 1E-1 In dB (Range depends on signal parameters)			
DVB-T SIGNAL PARAMETERS				
Carriers Guard Interval Code Rate Modulation Bandwidth Spectral inversion Displayed information Configuration of test points	2k / 8k 1/4, 1/8, 1/16, 1/32 1/2, 2/3, 3/4, 5/6, 7/8 QPSK, 16-QAM, 64-QAM 6,7 and 8 MHz ON, OFF, (AUTO) Multiplex name and its first 48 services, if it is detected Visual indication of DVB-T locked signal By means of USB 2.0 connection to PC. (Cable and software included)			
DVB-T2 (COFDM) MEASUREMENTS				
Power MER CBER LBER Link Margin	40 to 100 dBμV 0 to 35 dB 1E-6 to 1E-1 1E-8 to 1E-1 In dB (Range depends on signal parameters)			
DVB-T2 SIGNAL PARAMETERS				
Carriers Guard Interval Bandwidth Spectral Inversion Pilot Pattern Code Rate PLP PLP Constellation PLP Constellation Rotation PLP ID	1k, 2k, 4k, 8k, 8k+ EXT, 16k, 16k+ EXT, 32k, 32k+ EXT 1/4, 19/256, 1/8, 19/128, 1/16, 1/32, 1/128 5, 6, 7 and 8 MHz ON, OFF (AUTO) PP1-PP8 1/2, 3/5, 2/3, 3/4, 4/5, 5/6 QPSK, 16QAM, 64QAM, 256QAM ON / OFF (AUTO) 0-255			
EXTERNAL UNITS POWER SUPPLY	Through the RF input connector			
Output voltage Maximum external output power	5 V, 12 V, 15 V, 24 V ± 1 V 5 W (2.5 W for +5 V)			
BACK-LIGHT DISPLAY	Automatic			



POWER SUPPLY Battery 7.4 V 2.2 Ah Li-Ion battery Acoustic indication and message on the display Low battery indication Built-in. It disconnects power supply when charging process ends Charger Autonomy 6 hours typically, without powering any amplifier through the external power supply Charging time 90 min. approx. starting from a complete discharge (instrument off), within the margin of tolerated temperatures Mains adapter 90 - 250 V / 50-60 Hz (included), 12 V DC, 20 W **MECHANICAL FEATURES** Dimensions 180 mm (W) x 95 mm (H) x 50 mm (D) Weight 480 g ACCESSORIES

Mains power adapter, F to BNC/DIN/F adapters, Mains cord, Car lighter adapter, **TVHUNTER+** carrying suitcase, **TVHUNTER +** carrying belt, USB 2.0 connector cable, **TVHUNTER+** Quick Reference Guide

