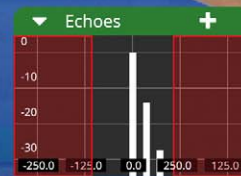
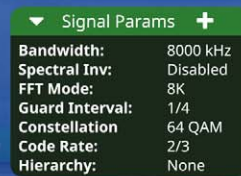
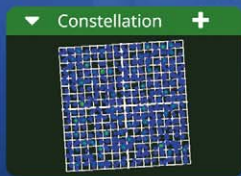




# TV EXPLORER NG



**THE NEXT GENERATION**  
OF THE INDUSTRY LEADING TV ANALYZER

**WITH STANDARD 4K ULTRA HD**  
AND MAIN WORLDWIDE STANDARDS COMPATIBILITY

[www.promaxelectronics.com](http://www.promaxelectronics.com)

**INTRODUCING  
THE INDUSTRY  
LEADING  
TV ANALYZER.  
AGAIN.**



DVB-T/C/S

DVB-T2/C2/S2

DVB-S2X

ISDB-T

ATSC 3.0

4K

Dolby



## A NEW SCENARIO A NEW TV EXPLORER

DTT and the TV EXPLORER go hand-in-hand: The TV analyzer that powered the shift to digital broadcasting.

Today, in a fully digital world driven by 4K adoption and the arrival of DVB-S2x (\*), DVB-T2, and ATSC 3.0 (\*), we present the TV EXPLORER NG. Benefit from seamless compatibility with the latest broadcasting standards, right out of the box.

## NATIVE 4K DECODER WITH NO PERFORMANCE LOSS

The TV EXPLORER NG offers full compatibility with HEVC H.265 and delivers smooth video decoding, even in UHD 4K HDR 10-bit.

## HBBTV COMPATIBLE

Introducing URL discovery functionality for enhanced online content consumption on supported Smart TV platforms.



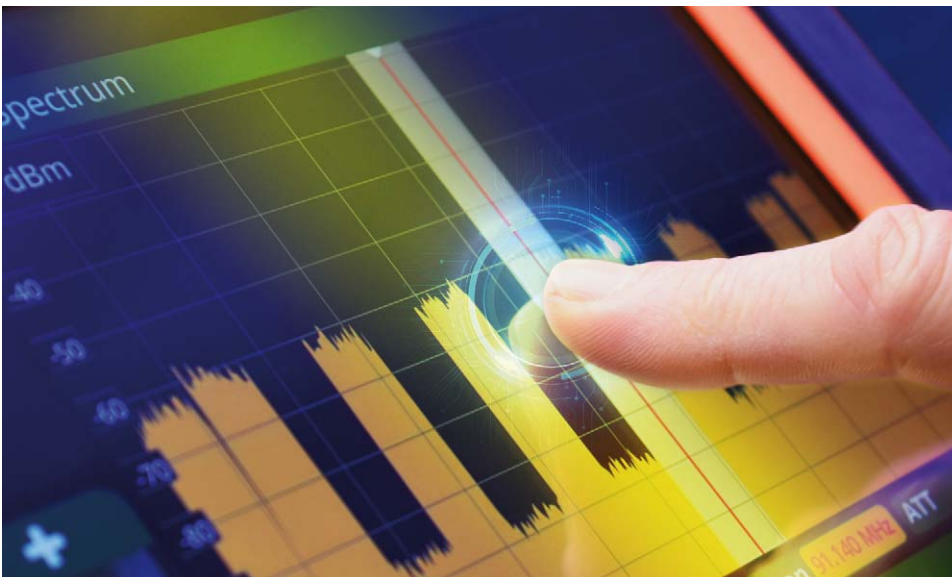
(\* Support for DVB-S2x, ATSC 1.0 and ATSC 3.0 is optional)



## SIMPLE LIKE A TV EXPLORER AGILE AS YOUR SMARTPHONE

Tap and drag. It's that easy. The new multi-touch screen user interface is as intuitive as an instrument should feel today. And with instant response.

**INCLUDES PROTECTIVE CASE  
WITH ERGONOMIC HAND STRAP**





**LIGHT AS A  
TV EXPLORER  
POWERFUL AS A  
HIGH-END DEVICE**



**GET INSTANT  
MEASUREMENT  
REPORTS  
AND STAY COMPLIANT  
WITH MAJOR  
GOVERNMENT  
REGULATIONS**

## **MULTI-CORE PROCESSOR FOR AN ULTRA FAST SPECTRUM**

Experience surprisingly fast sweep speeds for a device in this price range. Plus, the multi-touch screen transforms your workflow into an entirely new experience.



## **SMART BATTERY UP TO FOUR HOURS OF POWER**

The intelligent power management system provides you with a precise estimate of your remaining battery time. Focus on what matters: The TV EXPLORER NG manages the power for you!

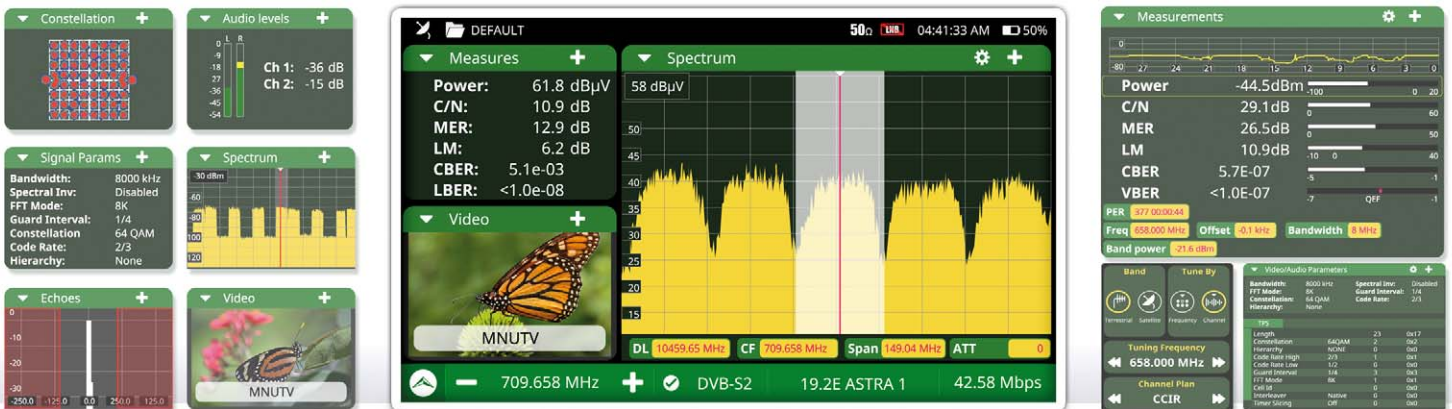
## YOUR WORKFLOW YOUR INTERFACE

The widget-based user interface empowers you to display and control up to three functions simultaneously. With simple taps, you can swap widgets and instantly reshape your workflow. Unlock a new realm of efficiency and personalization, where your meter becomes an extension of your unique way of working.

INCLUDES WiFi 2.4G ANALYZER



## SCALE, CUSTOMIZE, AND ALLOCATE ON-SCREEN WIDGETS



## SPECTRUM ANALYSIS MADE EASIER WITH MULTI-TOUCH CONTROL

No more fiddling with SPAN, reference levels, or navigating with buttons. Adjust the spectrum with the simple touch of your fingers. Just like using your mobile phone.



## ALL THE TECH YOU REQUIRE, INCLUDED INVEST SMART

Longer lasting, fully featured: The TV EXPLORER NG delivers an unmatched lifecycle and integrates all the standards you demand.

### OPTICAL POWER METER INCLUDED



**DIGITAL TV DECODER**  
FEATURING NATIVE 4K

**SPECTRUM ANALYZER**  
100% TACTILE CONTROL

**SIGNAL MEASUREMENTS**  
ALL MEASUREMENTS IN ONE SCREEN

**DIGITAL PARAMETERS**  
AUTOMATIC IDENTIFICATION

**AUDIO LEVELS**  
ON-SCREEN METERS

**AUDIO/VIDEO PARAMETERS**  
ANALYSIS OF THE RECEIVED FORMAT

**CONSTELLATION DIAGRAM**  
DETECTING PROBLEMS AT A GLANCE

**DYNAMIC ECHOES**  
A MUST-HAVE FOR ANTENNA AIMING

## EXPANDED FEATURES LIMITLESS POSSIBILITIES

**MER BY CARRIER**  
DETECTING HARD-TO-SEE IMPAIRMENTS

**TS AND ALP RECORDING**  
FOR DIAGNOSTICS AND AUDITS

**CHANNEL EXPLORATION**  
DETECT THE SIGNALS IN BAND

**DATALOGGER**  
WITH MEASUREMENT REPORTS

**DRIVE TEST**  
SIGNAL COVERAGE IN 3D MAPS

**BLIND SCAN** CREATE CHANNEL PLANS  
WITH NO PRIOR INFORMATION

**FM DISCOVERING**  
AUTO DETECTION OF ALL THE STATIONS

**ATTENUATION TEST**  
AMPLIFIERS ADJUSTMENT

## GLOBAL COMPATIBILITY WORLDWIDE OPERATIONAL CAPABILITY

The TV EXPLORER NG is usable in virtually any country worldwide, as it natively supports the most prevalent television standards. This includes DVB-S2x for satellite, DVB-T2 for terrestrial broadcasting, and the novel ATSC 3.0 (\*) for digital terrestrial television in North America.

(\*) Support for DVB-S2x, ATSC 1.0 and ATSC 3.0 is optional



## ADVANCED OPTIONS TO BOOST YOUR TV EXPLORER



### ATSC 3.0™

It can optionally include ATSC 1.0 and ATSC 3.0 decoders for the USA and other nations such as Brazil.



### FM RADIO AND DIGITAL DAB / DAB+ OPTIONAL ADVANCED FUNCTIONS

An ideal choice for field technicians working with both digital and analog radio coverage. This solution offers advanced measurements, including CBER on MSC and FIC for digital DAB radio, plus MPX and Left/Right balance measurements for FM.

### OPTIONAL FTTH SELECTIVE METER

The selective triple-wavelength measurement (1310, 1490, 1550 nm) makes the TV EXPLORER NG a field strength meter for copper and fiber that complies with many worldwide regulations.



### COVERAGE ANALYSIS 3D MAPS WITH GPS

Precisely identify transmitter shadow areas with geo-located drive test data, presented visually on a 3D map.

| SPECIFICATIONS   | TV EXPLORER NG - MULTISTANDARD UNIVERSAL TV ANALYZER   |
|--|--|
| <b>BROADCAST STANDARDS</b>   | DVB-T, DVB-T2 (T2-base, T2-lite), ISDB-T/Tb (full seg / 1sec)<br>DVB-C, DVB-C2, J.83 annex-B, 16/64/256-QAM<br>DVB-S, DVB-S2 VCM/ACM/CCM, DSS, DVB-S2x (optional)<br>Analogue terrestrial (PAL, SECAM, NTSC)   |
| <b>AUDIO CODECS</b>  | MPEG-1, MPEG-2, AAC, HE-AAC, Dolby Digital (DD), Dolby Digital Plus (DD+), Dolby AC-4  |
| <b>VIDEO CODECS</b>  | MPEG-2, MPEG-4 / H.264 (CBP, MP, High Profile Level 5.2), HEVC / H.265 4k UHD (Main Profile Level 5.1 8b/10b)  |
| <b>INPUTS AND OUTPUTS</b>  | <ul style="list-style-type: none"> <li>- Universal RF input (F-type, 75 Ω)</li> <li>- Analogue audio/video input (jack 3.5 mm)</li> <li>- HDMI™ output (v1.4b up to 3840x2160 pixels @30 Hz)</li> <li>- USB 2.0 master/device (Type C).</li> <li>- Mass storage and remote control commands</li> <li>- Ethernet (RJ45) for webControl and remote control commands</li> <li>- Optical input (FC/APC, female)</li> <li>- Stereo headphone audio output (jack 3.5 mm)</li> <li>- USB 3.0 host (A-type, USB-CDC devices)</li> </ul>  |
| <b>FUNCTIONS</b>   | <ul style="list-style-type: none"> <li>- Constellation diagram</li> <li>- Dynamic echoes analysis</li> <li>- StealthID (instant identification of tuning parameters)</li> <li>- PLS (Physical Layer Scrambling)</li> <li>- Ultra fast Spectrum analyzer</li> <li>- 4K decoder</li> <li>- MAX and MIN hold</li> <li>- FM RDS measurement and decoding (optional)</li> <li>- Screenshots and Datalogger for measurement reports</li> <li>- WiFi</li> <li>- Remote control (webControl)</li> <li>- MER by carrier</li> <li>- Drive test signal coverage analysis with GPS (optional)</li> <li>- TS recording</li> <li>- ALP recording</li> <li>- Full band optical power measurement</li> <li>- 8 GB internal memory, expandable via USB</li> <li>- FM stations discovering (optional).</li> <li>- Blind Scan search.</li> </ul>  |
| <b>SPECTRUM ANALYZER</b><br>Noise floor<br>Reference level<br>Dynamic margin<br>Span<br>Resolution bandwidths<br>Measurement functions   | From 5 to 1000 MHz (Terrestrial) / From 950 to 2150 MHz (Satellite)<br>10 dBμV<br>130 dBμV max.<br>60 dB<br>User-defined / 10 / 20 / 50 / 100 / 200 / 500 / 850 MHz / Full span (depending on band)<br>100 kHz<br>Power measurement, C/N measurement, MAX/MIN Hold, heat map   |
| <b>MEASUREMENT MODE</b><br>DVB-T (COFDM)<br>DVB-T2 Base y Lite (COFDM)<br>ISDB-T (COFDM)<br>DVB-C (QAM)<br>DVB-C2 (QAM)<br>J83 Annex B (QAM)<br>ATSC 1.0 (8VSB)<br>ATSC 3.0 (COFDM)<br>DVB-S (QPSK)<br>DVB-S2 (QPSK, 8PSK 16/32 APSK)<br>DVB-S2x (QPSK, 8PSK, 8/16/32/64/128/256 APSK/APSK-L)<br>DSS (QPSK)<br>PAL, SECAM y NTSC (analog TV)<br>FM RDS radio (optional)<br>DAB/DAB+ radio (optional) | Power (20 dBμV - 130 dBμV), CBER, VBER, MER, C/N, Wrong packets, Link Margin<br>Power (20 dBμV - 130 dBμV), CBER, C/N, LBER, MER, Link Margin, BCH ESR, Iteraciones LDP, Wrong packets<br>Power (20 dBμV - 130 dBμV), CBER, VBER, MER, C/N, Wrong packets, Link Margin<br>Power (20 dBμV - 130 dBμV), BER, MER, C/N, Wrong packets, Link Margin<br>Power (20 dBμV - 130 dBμV), CBER, MER, C/N, LBER, BCH ESR, Iteraciones LDP, Wrong packets<br>Power (20 dBμV - 130 dBμV), BER, MER, C/N, Wrong packets, Link Margin<br>Power (20 dBμV - 130 dBμV), SER, VBER, MER, Wrong packets, C/N, Link Margin<br>Power (20 dBμV - 130 dBμV), CBER, MER, Wrong packets, C/N, LBER, BCH ESR<br>Power (35 dBμV - 127 dBμV), CBER, VBER, MER, C/N, Link Margin<br>Power (35 dBμV - 127 dBμV), CBER, LBER, MER, Wrong packets, C/N, BCH ESR, Link Margin<br>Power (35 dBμV - 127 dBμV), CBER, LBER, MER, Wrong packets, C/N, BCH ESR, Link Margin<br>Power (35 dBμV - 115 dBμV), CBER, VBER, MER, C/N, Wrong packets, Noise margin<br>Level, C/N, V/A (M/N/B/G/I/D/K/L)<br>MPX Deviation and Power, Level, C/N, Offset, Bandwidth, Frequency deviation (Left, Right, Left+Right, Left-Right, MPX, RDS, Pilot),<br>Level (Left, Right, Left-Right, Left+Right MPX), RDS data<br>Power, C/N, MER, CBER, MSC CBER, FIC CBER, FIB RATIO, Offset, Bandwidth |
| <b>OPERATING MODES</b><br>TV analyzer<br>WiFi 802.11 ac/a/b/g/n<br>Monitor TV  | WiFi dongle. RSSI, Access point occupancy, SNR, Noise  |
| <b>INTERNAL STORAGE</b>  | 8 GB for measurement protocols, screenshots and transport stream recordings  |
| <b>REMOTE CONTROL</b>  | Remote commands. webControl interface (IP control input and WiFi) and SNMP protocol (IP control input and WiFi)  |
| <b>GENERAL</b>   | Color 7" TFT 16:9 screen. Multitouch user interface.<br>DiSEqC 2.x generator (DiSEqC 1.2 commands implemented). dCSS/SCD2 (EN50607) and SATCR/SCD (EN50494)  |
| <b>POWER SUPPLY</b>  | > 4 h with Smart power management  |
| <b>OPTIONS</b>   | ATSC 1.0 and ATSC 3.0 standards.<br>Optical fibre: Selective optical power meter<br>DAB/DAB+ digital radio advanced measurements<br>FM radio advanced measurements<br>Signal coverage analysis (drive test) with GPS   |

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