

mod. **HD TOUCH STC**



Automatic, Fast & Easy-to-use
ALL TOUCH

- **DVB-T2** supplied
- **OPTIC** Input *opt.*
- **ASI** Input/Output *opt.*
- **T.S. Analyzer/Reader** *opt.*
- **FULL MPEG2 & 4 SD & HD**

- **ECHOES, MICROECHOES & PREECHOES** in REAL TIME
- **REAL TIME SPECTRUM** with MAX HOLD
- **Auto/Manual "LTE" FILTERS** *opt.*
- **CONDITIONAL ACCESS**
- **8h LI-ION POL. BATTERIES**

RIGHT SIDE



- 1 = Remote Power Supply switch - DC at RF IN ON/OFF
- 2 = IF/RF Input connector, type "F" 75 Ω interchangeable
- 3 = Optic Input connector, TC-ST & SC interchangeable (*opt.*)
- 4 = Common Interface Slot for CAM module
- 5 = ASI Transport Stream IN/OUT (*opt.*)

LEFT SIDE



- 6 = Power Supply Input (12 V DC - 3A)
- 7 = Analog Audio / Video Input connector
- 8 = Analog Audio / Video Output connector
- 9 = HDMI Output connector
- 10 = USB OTG micro connector for SW upgrades and memory stick
- 11 = LAN Ethernet RJ45 connector

HD TOUCH MAIN FEATURES

DVB-S & S2 DVB-T/H & T2 M-PLP/DVB-C/(C2_{opt.}), Analog Radio TV & DOCSIS D.S.

COMBINED HD PROFESSIONAL ANALYZER, 4-2.250 MHz, for SAT QPSK/8PSK - TV COFDM & CATV QAM signals, with MPEG-2/4 H264 decoder and Analog TV & Radio

- MEASUREMENTS: MER, PER, LDPC, BCH, aBER, bBER, EVM, ECHOES, Noise Margin, Level/Power, Real time spectrum analyzer and constellation visualization
- CATV MEASUREMENTS: DOCSIS downstream, INGRESS mode, LEAKAGE mode, BARS SCAN and TILT
- Optional: ATSC 8VSB for USA, or GB20600-2006 single and multicarriers for CHINA, or ISDB-T for JAPAN and BRAZIL, etc.
- **HW upgrades in factory: DVB-C2 (up to 31.12.2013)**
- Pre-memorized SAT transponder navigation, can be upgraded but not cancelled, all the main satellite and TV channel plans worldwide
- Assisted satellite dish pointing, double input (DUAL LNB) and sat finder functions
- All DiSEqC commands, SCR with automatic search, USALS motor protocol



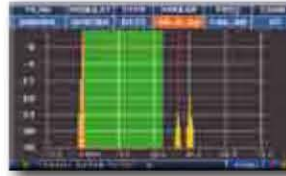
HD TOUCH MEASUREMENT EXAMPLES



DVB-T2 rotated Constellation 256 QAM mod., on the right relative modulation parameters & M-PLP



DVB-S2 multistream Constellation 8PSK mod., on the right relative modulation parameters



ECHO MEASUREMENT in SFN networks, with impulse response in real time, green area shows the guard interval



MICROECHO MEASUREMENT in SFN networks, with impulse response in real time



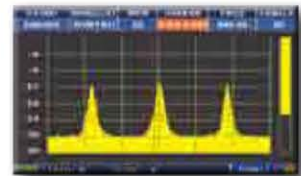
Spectrum in real time, fast and super fast with memory peak. Detects and memorizes all the details for you.



All the measurements, PID A/V, the picture and settings on one screen



Bars Scan TV & CATV function from 10 to 100 channels
| = analog | = digital



MER versus Carrier MER measurement for carriers (optional)

HD TOUCH MAIN FUNCTIONS

For technical specifications see product cross reference table

- TV and CATV TUNER, extended band, 4-1000 MHz
- SAT TUNER, extended band, 930-2250 MHz
- GSM extended band, 860-1000 MHz for telephone repeater installation, see application note
- **LTE FILTER, manual or automatic opt.**
- Exclusive patented **ROVER AUTODISCOVERY** system: auto-matically detects and selects analog and digital COFDM/QAM TV signals in both measurement and spectrum mode
- Spectrum in real time, fast and super fast with memory peak
- Dual spectrum, Single and Multichannel simultaneously opt.
- **Detects, measures and SHOWS pictures of MPEG 2 and 4H264 HD High Definition programs**
- **All the measurements, program lists, A/V PIDs, NET ID, LCN, settings and pictures on one screen**
- **Automatic quality analysis: FAIL-MARG-PASS and ITU Q1/Q5 opt.**
- HELP function automatically identifies all the signals with any digital modulation SAT, TV and CATV
- MER versus CARRIER, MER measurement for DVB-T & T2 carriers
- **Barscan TV and CATV function from 10 to 100 channels on one screen**
- Automemory, Manual memory and Datalogger functions
- TV & IF SAT test ICT FENITEL Spain
- **Stereo audio, Audio AAC supplied, DOLBY optional**
- New 7" TFT TOUCH display, 16:10, high resolution
- **ASI Transport Stream Input/Output (opt.)**
- **"HDMI" output and Audio Video input/output (analog)**
- **Slot for Conditional Access Common Interface**
- **CAM for C.I. plus opt.**
- Weighs only 2.5 kg, dim: H 11.5 x L 24.5 x D 18 cm
- **LI-ION-POLIMER 10A battery with 8 hour battery capacity**
- Battery test function, to regenerate and measure the batteries and calibrate the battery indicator
- Supplied with transport padded bag, accessories, mains and vehicle battery chargers, USB-OTG and Audio Video cables
- Free basic SW, upgradeable on-line (USB-2 OTG socket)

Code	HD TOUCH "HW" OPTIONS
HD OPTIC INPUT	HW and SW for TV and SAT Optic Input with interchangeable "FC", "ST", "SC" connector for optic power measurements and spectrum *
HD ASI IN/OUT	HW and SW for decoded ASI Transport Stream Input/Output for T.S. Analyzer
HD S2 MULTI STREAM	HW and SW for Multistream S2 demodulator for distribution transponder *
HD CAM Plus	HW, CAM for C.I. Plus (only for some standards)
HD AUDIO DOLBY +	HW and SW for Dolby AC3-AC3E-DD+ and "AAC" Audio
HD DVB-C2	HW and SW for DVB-C2, factory upgrade *
HD ATSC USA	HW and SW for 8VSB USA, specify when ordering
HD GB20600 CHINA	HW and SW for CHINA Single and Multicarriers, specify when ordering *
HD ISDB-T JAPAN BRASIL	HW and SW for Standards in Japan and Brazil, specify when ordering *
HD "LTE" FILTER	HW and SW for Built-in and selectable rejection filters to select and attenuate "LTE" Telecom TX *
HD GPS RECEIVER	HW and SW for GPS receiver complete with antenna and magnetic support *
HD MULTIMEASURES TV	HW and SW for simultaneous representation of: MEASUREMENT, PICTURES, SPECTRUM, CONSTELLATION, ECHOES *

Code	HD TOUCH "APP" (SW) OPTIONS
SATEXPERT FUNCTION	APP to point a satellite dish in 1 second
RIGHTS-SMART-1	APP for authorization code for the SMART PRO, SW, PC management SW, to create plans & download measurements
T.S. READER	APP for Transport Stream Analyzer / Reader via LAN/PC (being prepared)
SIGNAL COVERAGE QUALITY	APP to detect and register the TV service quality on the territory (in development)
"ITU" QUALITY	APP for Radioelectric quality measurement from Q1 to Q5, according to "ITU" regulations (in development)

* Being developed