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SEFRAM 7848

The ideal companion for Digital Terrestrial TV (DVB-T, DVB-T2/T2) and Digital Satellite (DVB-S/S2) Display SD et HD* TV programs

Touch screen, compact, robust and easy to use

With its panoramic 7 inches touch screen, you have full benefit of the touch screen technology: intuitive access to functions, menus and measurements. The new rugged housing with protective bumpers is designed for extensive field use and protection of sensitive parts of the instrument.

All digital measurements in DVB-T, DVB-T2, DVB-S and DVB-S2

The 7848 provides all measurements in DVB-T/T2, DVB-S/S2. For each digital standard, we provide all measurements, including BER, MER, lost packets, noise margin and echoes analysis.

Panoramic LCD with display of MPEG-2 and MPEG-4* TV programs

The 7848 offers a bright and panoramic high quality LCD display for measurements results and free-to-air MPEG-2 / MPEG-4 programs display.

All necessary functions and tools to save time

The 7848 has a very simple and intuitive man-machine interface. Special functions have been added to save time and money.

Checking the alignment of antennas

The 7848 includes a checksat mode for satellite and a special tool to align terrestrial antennas. User will have a graphical information combined with a beeper.

* only for free-to-air

**DVB-T
DVB-T2
DVB-S
DVB-S2**

NEW



USB interface

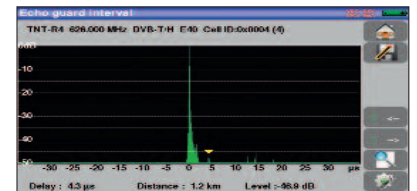
The 7848 includes one USB interface for updating and getting the benefit of free firmware update.



Home page for terrestrial: simple and intuitive



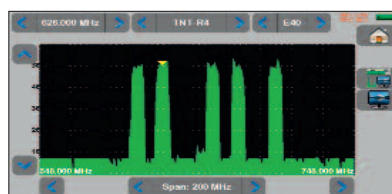
Home page for satellite



Echoes / guard interval (terrestrial)



Alignment of terrestrial antenna with 4 multiplex



Spectrum in terrestrial mode



All measurements on a single screen



Specifications	Terrestrial band		Satellite band	
Frequency	45-900 MHz		900-2200 MHz	
Range	Measure: 50kHz, display: 1kHz		Measure and display: 1 MHz	
Resolution				
Level measurements	20-120 dBµV		30-110 dBµV	
Dynamic range	level, RF power, C/N		level, RF power, C/N	
Measurements	10dBµV (typical)		20dBµV (typical)	
Noise level	dBµV, dBmV, dBm, V		dBµV, dBmV, dBm, V	
Units	±2dB ± 0.05dB/°C		±2dB ± 0.05dB/°C	
Accuracy	0,1dB		0,1dB	
Resolution	100kHz, 300kHz, 1MHz		1MHz, 3MHz, 10MHz	
Measurement filters	B, C, D, K, I, L, M, N, FM, DVB-T/H/T2/T2Lite, DVB-C/C2 (level measurements only)		PAL, SECAM, NTSC, DVB-S, DVB-S2, DSS	
Standards				
Digital measurements	DVB-T/H		DVB-S / DSS	
	DVB-T2		DVB-S2	
Error rate	BERi (before Viterbi), BERo (after Viterbi), UNC/PER (lost packets)		CBER, BERi, BERO, UNC, PER	
	Before LDPC BCH (after LDPC) FER (lost packets, after BCH)		LDPC (BERi), BCH (BERo),	
Modulation Error Rate (MER)	5-35dB		0-20dB	
Bandwidth	6, 7 or 8 MHz		-	
Symbol rate	-		1-45Ms/s	
Viterbi	1/2, 2/3, 3/4, 5/6, 7/8 (auto)		1/2, 2/3, 3/4, 5/6, 6/7, 7/8, auto	
	1/3, 2/5, auto		2/5, 1/2, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10, auto	
Guard interval	auto, manual		auto	
Inverted spectrum	auto		auto	
Carriers / FFT	2k / 8k (auto)		-	
HP/LP - PLP- Data Slice	HP/LP		-	
Standards	EN 300-744		ETS 300-421	
	ETS 302-755		ETS 302 307	
Spectrum analysis	350 ms typical, 400 points			
Sweep rate	100kHz, 300kHz, 1MHz			
Filters	1MHz, 3MHz, 10MHz			
Attenuator	automatic (0 to 55 dB, with 5 dB steps)			
Dynamic (display)	60 dB (10 dB/div)		60 dB (10 dB/div)	
Span	5MHz to full span in 1-2-5 sequence			
Pointing mode	fast search of transmitter 10 transmitters max 4 multiplex per transmitter		fast search of satellite 30 satellites max 4 transponders per satellite, with NIT	
Input / output	USB A, Ethernet 10/100 baseT			
Interface	15V / 1A with 5.5mm jack			
Power supply				
Remote supply	5V/13/18V/24, 500mA max		13V/18V, 500mA max	
Voltage			DiSEqC 1.2: dishes, committed and uncommitted switches	
DiSEqC			22 kHz / 0,6V cc	
22 kHz (mini DiSEqC)			DiSEqC protocol extension, 8 slots maximum	
SatCR and DCSS				
RF input	75 Ohms (F/BNC adaptor supplied)			
Connector	70 V DC, 50 Vrms/50Hz max			
Maximum input voltage (DC or AC peak)				
Audio and video decoding	MPEG-1, MPEG-2, AAC, HE AAC, Dolby® Digital, Dolby® Digital Plus			
Audio	SDT, LCN			
Service table	MPEG-2 SD and MPEG4 HD (high definition H264)			
Video				
General specifications	7 inches (16:9), LCD TFT, backlight (500 cd/m2), resolution: 800 x 480			
Display	main adaptor 100-240V, output: 15V DC / 1A			
Power supply	Lithium Ion (25W)			
Battery (factory installed)	2 hours (typical)			
Autonomy	80% charging in 1H15			
Charging time	-5°C to 45°C			
Operating temperature	-10°C to 60°C			
Storage temperature	NF-EN 61362-1 / NF-EN 61326-3 / NF-EN 61010-1			
EMC and safety	250 x 165 x 65 mm			
Dimensions	1,35kg			
Weight	1 year			
Warranty				

- Supplied with :** main wall plug adapter, user's manual (CD-ROM), F adaptor, carrying belt, carrying pouch.
- Optional accessories :**
- Sun protector + rain protector + belt hanger kit : 978489000
 - Car cigar lighter adaptor : 978361000
 - Rain protector : 978489500



FT7848 A02 - Specifications can be updated without notice

For assistance and ordering




32, rue Edouard Martel - BP55- 42009 - St Etienne - cedex 2
 Tél. +33 (0) 4.77.59.01.01
 Fax. +33 (0) 4.77.57.23.23
 Web : www.sefram.fr - e-mail : sales@sefram.fr