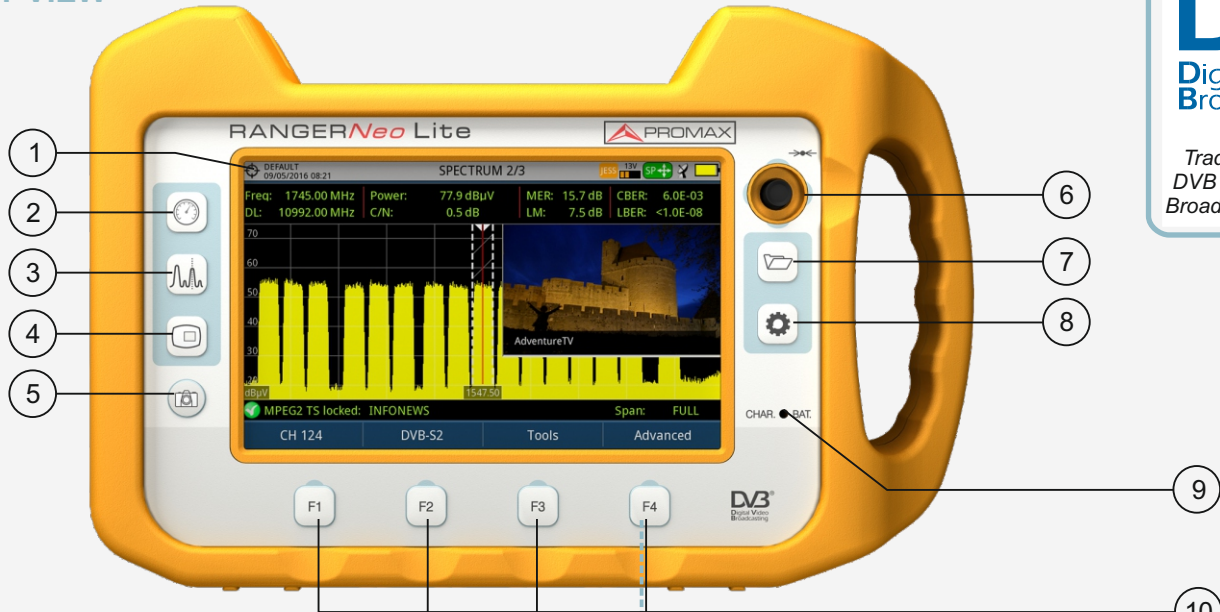


FRONT VIEW



Trademark of the DVB - Digital Video Broadcasting Project

- | | |
|---|--------------------------------|
| ① TFT touch screen | ⑥ Joystick |
| ② Measurement key | ⑦ Installations management key |
| ③ Spectrum key | ⑧ Settings key |
| ④ TV Key | ⑨ Battery charging indicator |
| ⑤ Export (press>1s)
Reference (press<1s) | ⑩ Softkeys |
- ⑪ Reset (press for 6s and release)

SCREEN ICONS REFERENCE

STATUS BAR

- Battery charging**
- Battery not charging.** Yellow level indicates charge left
- USB in serial port mode**
- Satellite band**
- Current voltage, 22 kHz signal and LNB power level**
- Terrestrial band**
- USB flash drive inserted**
- WIFI signal source**
- Current installation**
- Compressed installation**
- SatCR (SCD/EN50494) commands enabled**
- JESS (SCD2/EN50607) commands enabled**
- Joystick multi-function enabled**
Two-letter code indicates the exact function:
 - FR** Frequency tuning
 - CH** Channel tuning
 - SP** SPAN change
 - MK** Marker moving
 - EC** Echo change/zoom
 - AP** Access Point change

Task scheduled

SERVICE LIST SELECTOR

- Digital TV service**
- High Definition TV service**
- Digital radio**
- Data**
- Scrambled service**

DIALOG BOXES

- Error message**
- OK message**
- Question message**
- Warning message**

VIDEO & AUDIO SETTINGS MENU

- TFT backlight brightness**
- Volume**

ON: (<1s)

OFF: (2s)



RF ► SETTINGS

1

2

Settings

Signal source: RF → WiFi → OTT → CCTV

Band: Terrestrial → Satellite

RF ► SCREENS

► MEASUREMENT

1/3

FULL MEASUREMENT

Power:	69.2dBuV	Band:	82.3 dBuV		
		LM:	14.1dB		
Freq:	554.00 MHz	Power:	69.1 dBuV	MER:	30.5 dB
Offset:	2 kHz	C/N:	34.7 dB	CBER:	6.9E-05
				VBER:	1.8E-08
MPEG2 TS locked: RGE2					

2/3

MEASUREMENT + TV + SPECTRUM

Freq:	554.00 MHz	Power:	69.1 dBuV	MER:	30.5 dB
Offset:	2 kHz	C/N:	34.7 dB	CBER:	6.9E-05
				VBER:	1.8E-08
MPEG2 TS locked: RGE2					

3/3

MEASUREMENT + PARAMETERS

DVB-T PARAMETERS					
Bandwidth:	8000 kHz	Spectral Inversion:	Off		
FFT Mode:	8k	Guard Interval:	1/4		
Constellation:	64QAM	Code Rate:	2/3		
TS Hierarchy:	None				
Freq:	554.00 MHz	Power:	69.1 dBuV	MER:	30.5 dB
Offset:	2 kHz	C/N:	34.7 dB	CBER:	6.9E-05
				VBER:	1.8E-08
MPEG2 TS locked: RGE2					

► SPECTRUM ANALYSER

1/3

SPECTRUM + MEASUREMENT

Freq:	554.00 MHz	Power:	69.1 dBuV	MER:	30.3 dB	CBER:	6.7E-05
		C/N:	36.2 dB	LM:	8.9 dB	VBER:	<1.0E-08

2/3

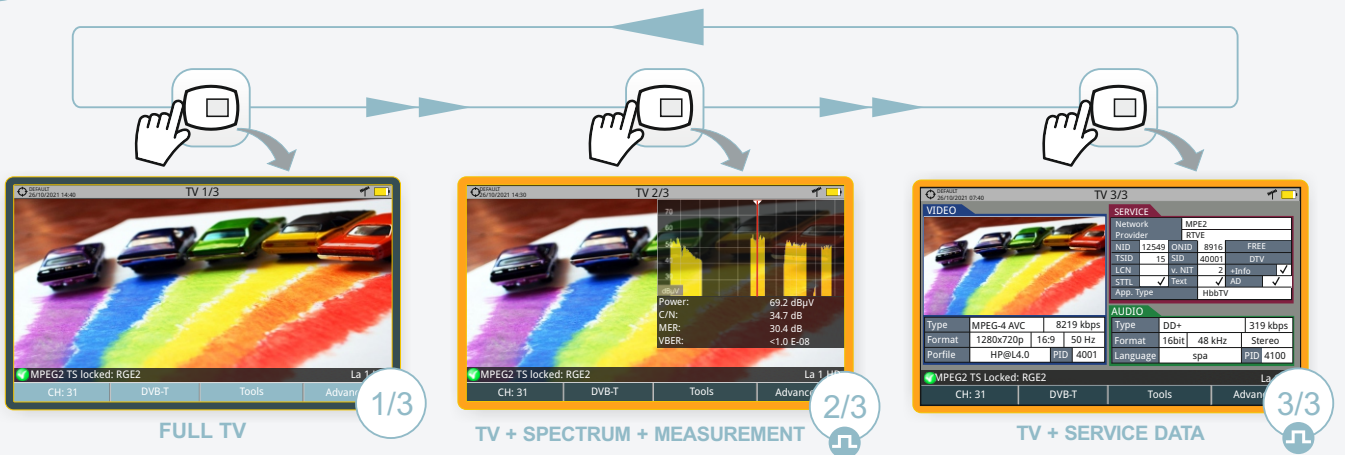
SPECTRUM + MEASUREMENT + TV

Freq:	554.00 MHz	Power:	69.1 dBuV	MER:	30.3 dB	CBER:	6.7E-05
		C/N:	36.2 dB	LM:	8.9 dB	VBER:	<1.0E-08

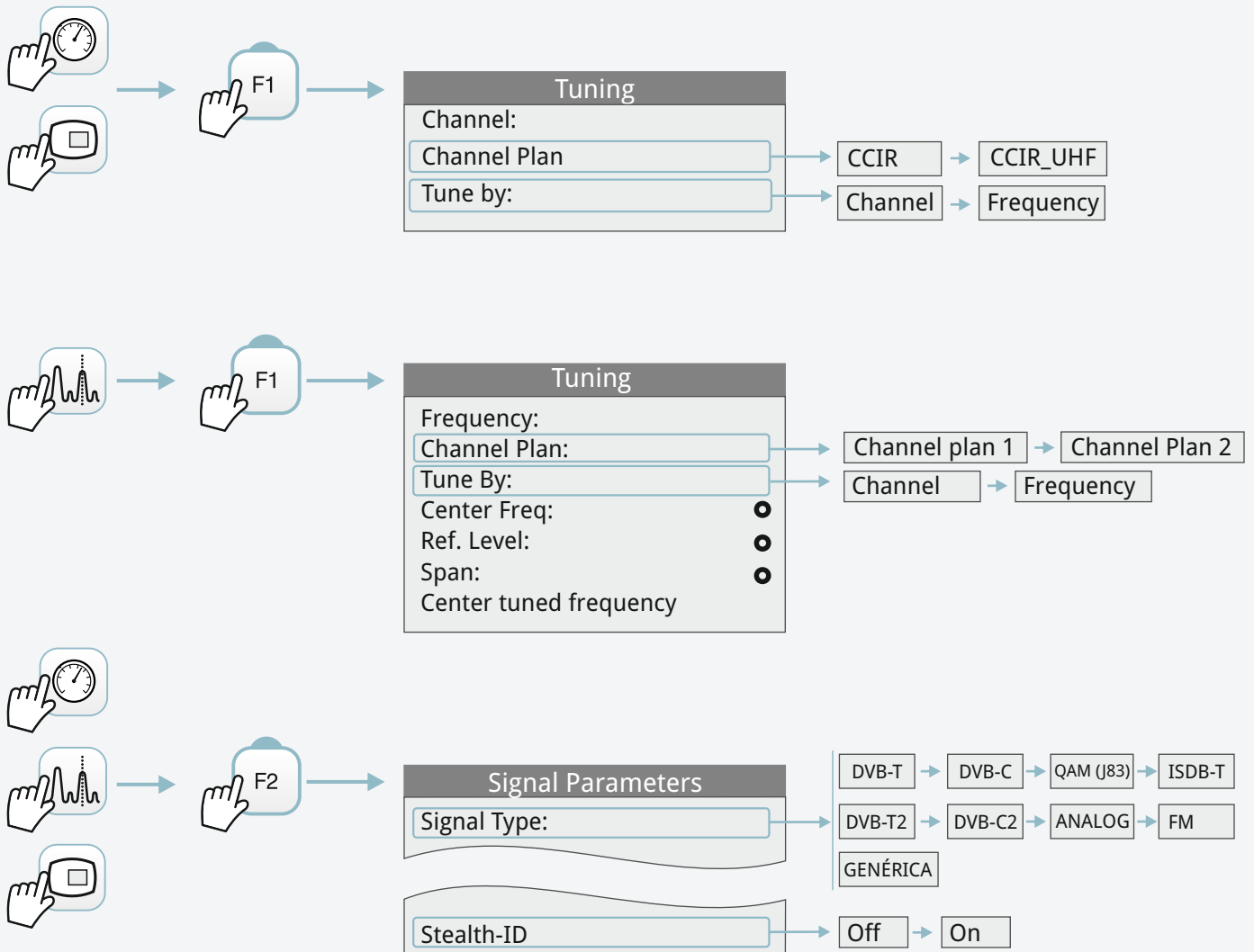
3/3

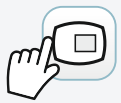
FULL SPECTRUM

TV MODE



RF MENUS





Tools

- Select Service...
- Explore Channel Plan
- Discover FM Stations
- Field Strength:
- Datalogger
- Service Recording...
- Echoes
- Constellation
- LTE Ingress Test
- Attenuation Test
- Task Planner...
- Power Off

Off → On

New... → Test & Go



Advanced

- Average:
- Spectrum Line:
- Tone Level:
- Marker:
- Marker Trace:
- Max.Hold:
- Min.Hold:
- Persistence:
- Detector Type:
- Vertical Range:
- Dashed BW:
- Reference:

Outline → Solid → Transparency

Off → On

Off → On

Normal

Off → Permanent → Curtain

Off → Permanent → Curtain

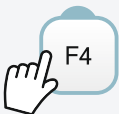
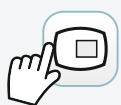
Off → On

PEAK → RMS

10 dB/div → 5 dB/div → 2 dB/div → 1 dB/div

Off → On

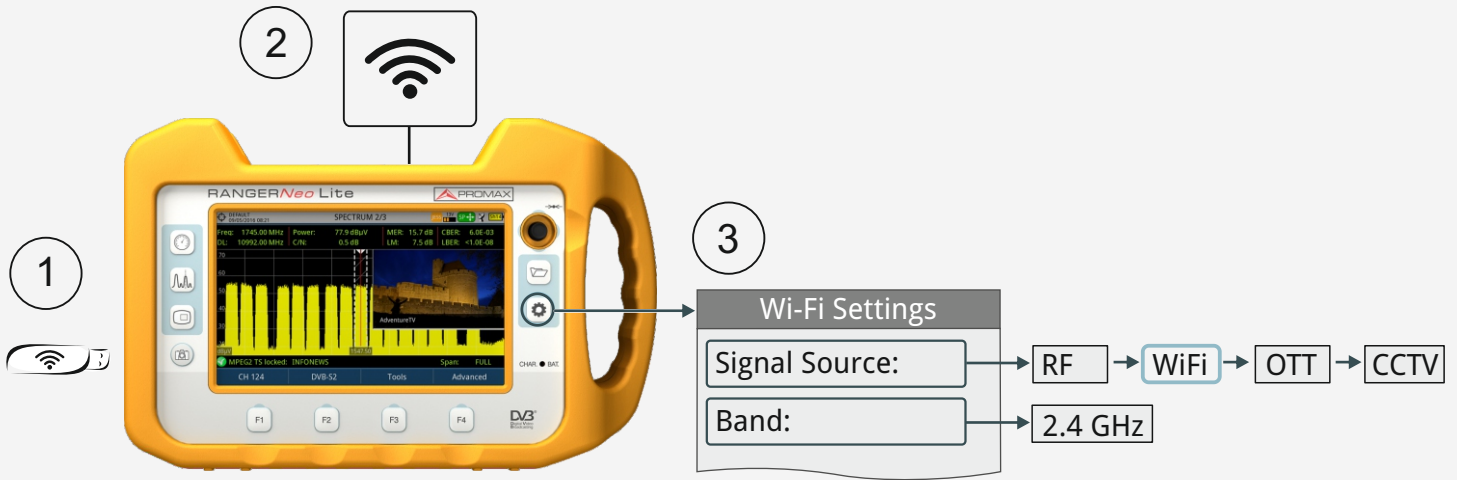
Set → Clear



Advanced

- Audio:
- Discovered URLs:
- TS Data:

WIFI ► SETTINGS



WIFI ► SCREENS

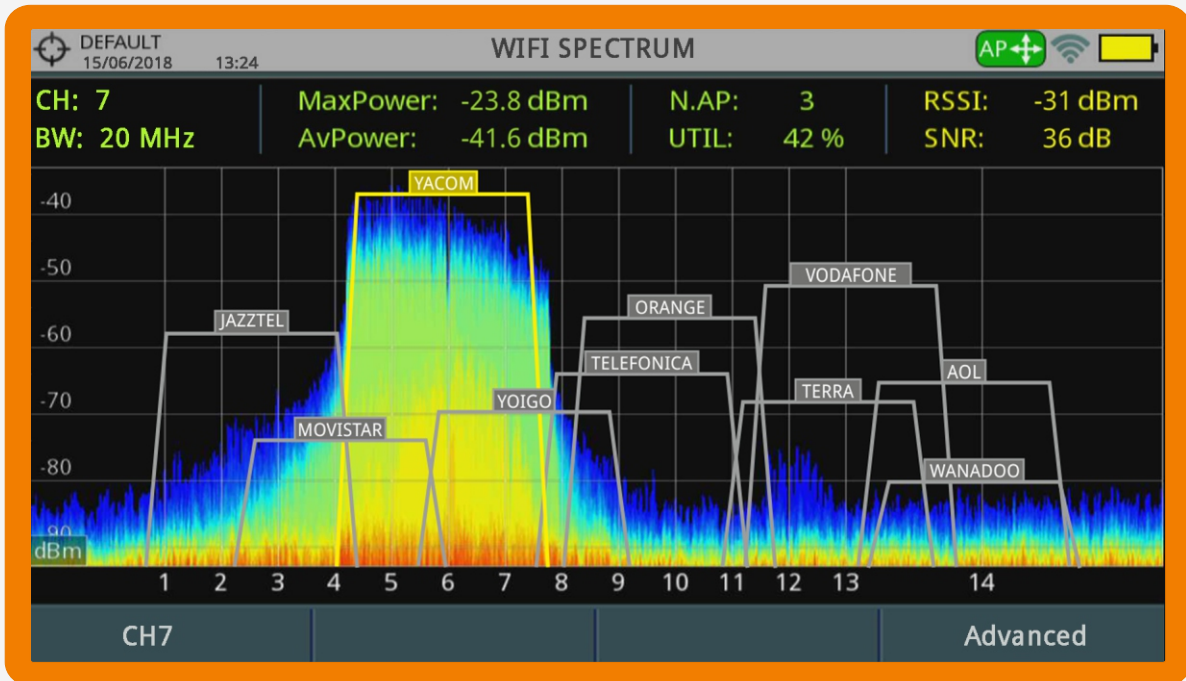
► SITE SURVEY

PROMAX 22/12/2016 12:10		SITE SURVEY					
SSID	BSS	CH	RSSI(dBm)	Security	Device		
JAZZTEL	01:23:45:67:89:ab	1	-86	WPA	Wireless Router...		
MOVISTAR	aa:bb:cc:dd:ee:ff	2	-72	WPA2	WAP6969N		
YACOM	98:76:54:32:10:fe	3	-84	WPE			
YOIGO	a1:b2:c3:d4:e5:f6	4	-74	Ninguno			
ORANGE	22:44:66:88:ab:cd	5	-70	WPA			
VODAFONE	13:57:92:46:80:31	6	-88	WPA			
ARRAKIS	ca:ac:ed:de:fb:bf	7	-78	WPA			
TELEFONICA	57:26:21:44:a6:89	8	-76	WPA			
TERRA	11:85:e5:74:0c:53	9	-80	WPA			
WANADOO	b4:07:32:41:a6:1c	10	-82	WPA			

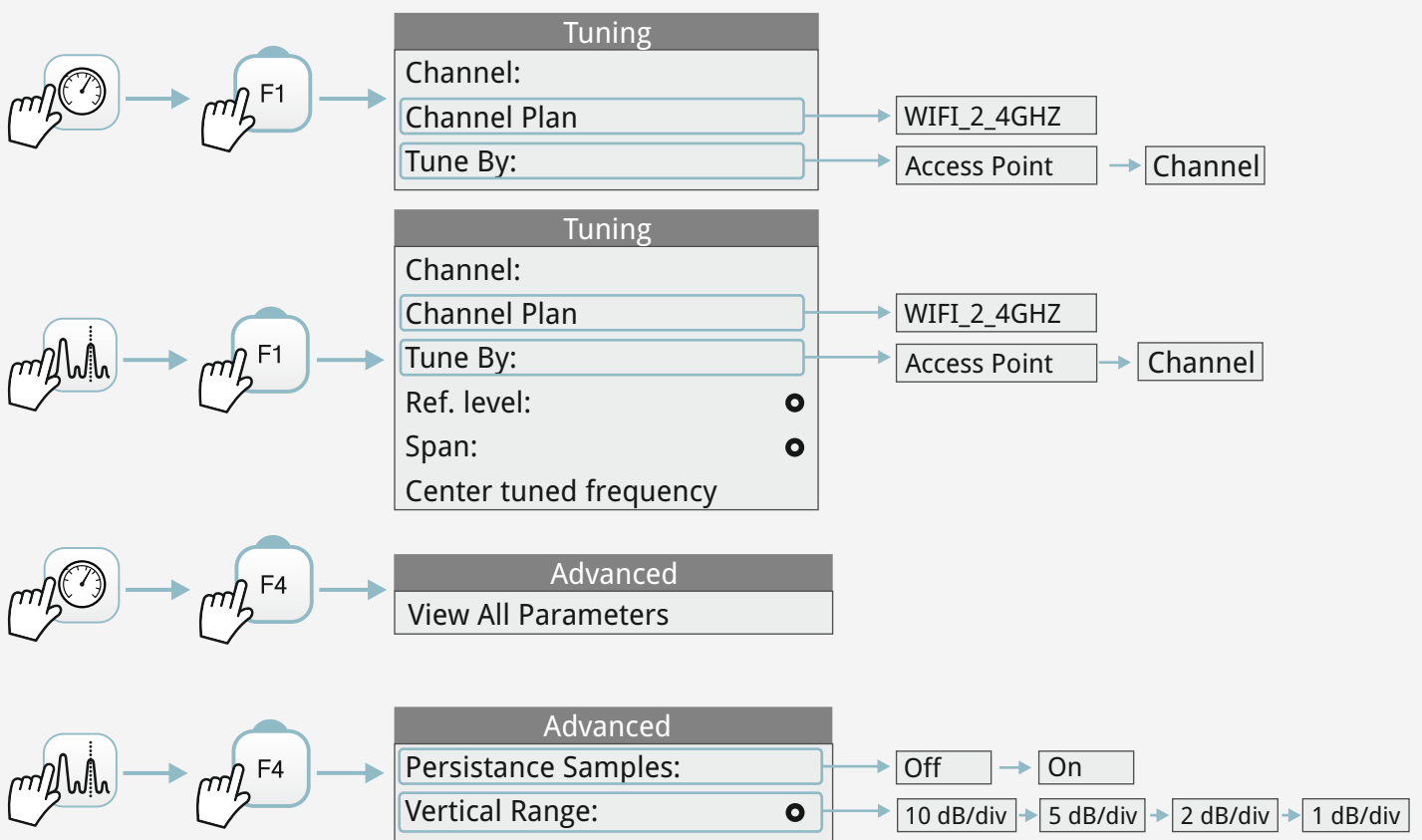
CH 1 | Advanced



WIFI SPECTRUM



WIFI MENUS





▶ SETTINGS MENU



Terrestrial Settings

- Signal Source:
- Band:
- Supply Output:
- Supply Voltage:
- LNB Drain:

RF → WiFi → OTT → CCTV

Terrestrial → Satellite

Enabled → Disabled

External → 5 V → 12 V → 24 V



Satellite Settings

- Signal Source:
- Band:
- DiSEqC Mode:
- SCD/EN50494:
- SCD2/EN50607:
- Polarization:
- Sat. Band:
- LNB Low Osc:
- LNB High Osc:
- Supply Output:
- Supply Voltage:
- LNB Drain:

RF → WiFi → OTT → CCTV

Terrestrial → Satellite

Off → On

Off → On

Off → On

Off → Horizontal/Left → Vertical/Right

High → Low

Disabled → Enabled

External → 5 V → 13 V → 13 V + 22 kHz → 15 V

18 V + 22 kHz ← 18 V



Wi-Fi Settings

- Signal Source:
- Band:

RF → WiFi → OTT → CCTV

2.4 GHz



Video & Audio Settings

- Volume
- Brightness
- Color System:

PAL 50 Hz → PAL 60 Hz → PAL-M → NTSC → SECAM



▶ PREFERENCES MENU

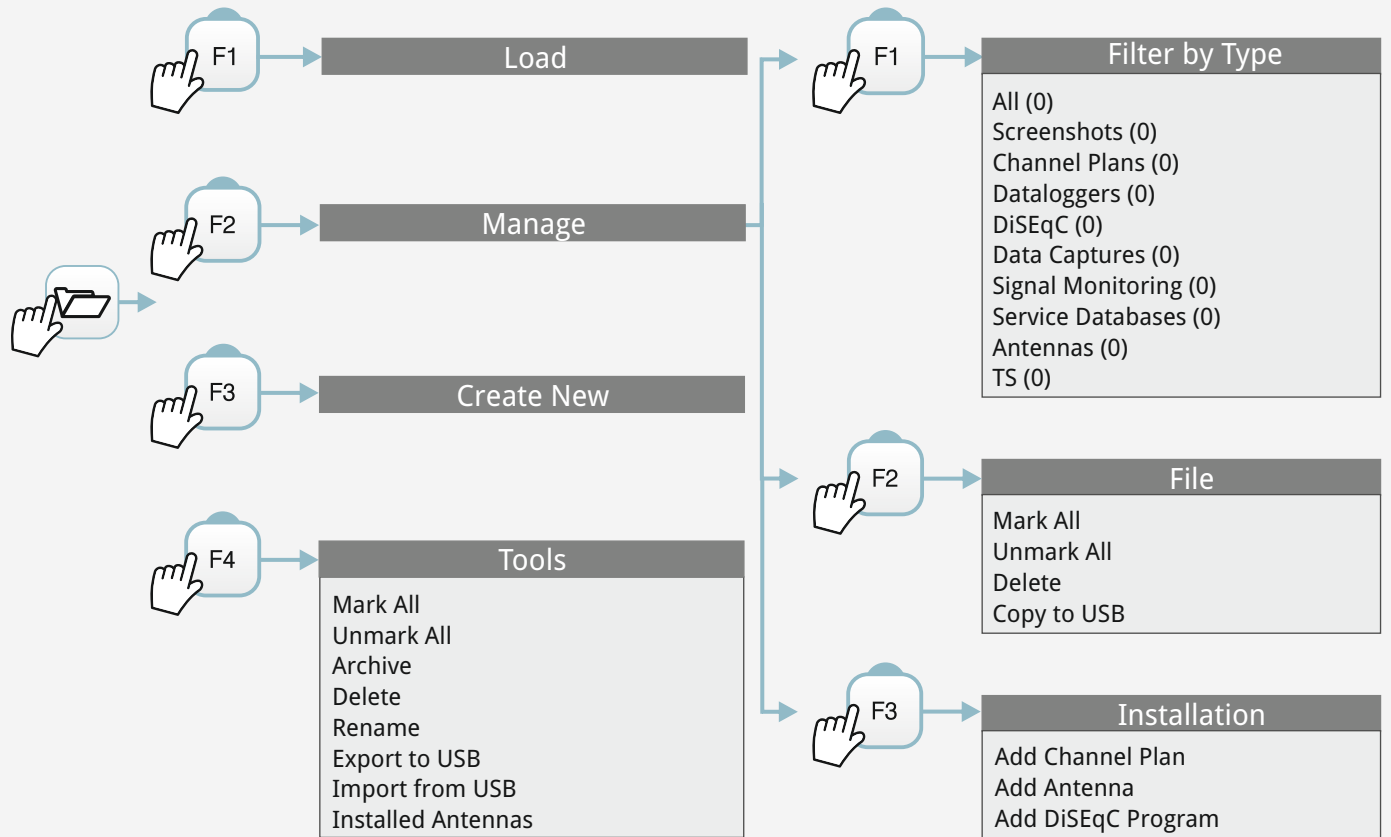


Preferences

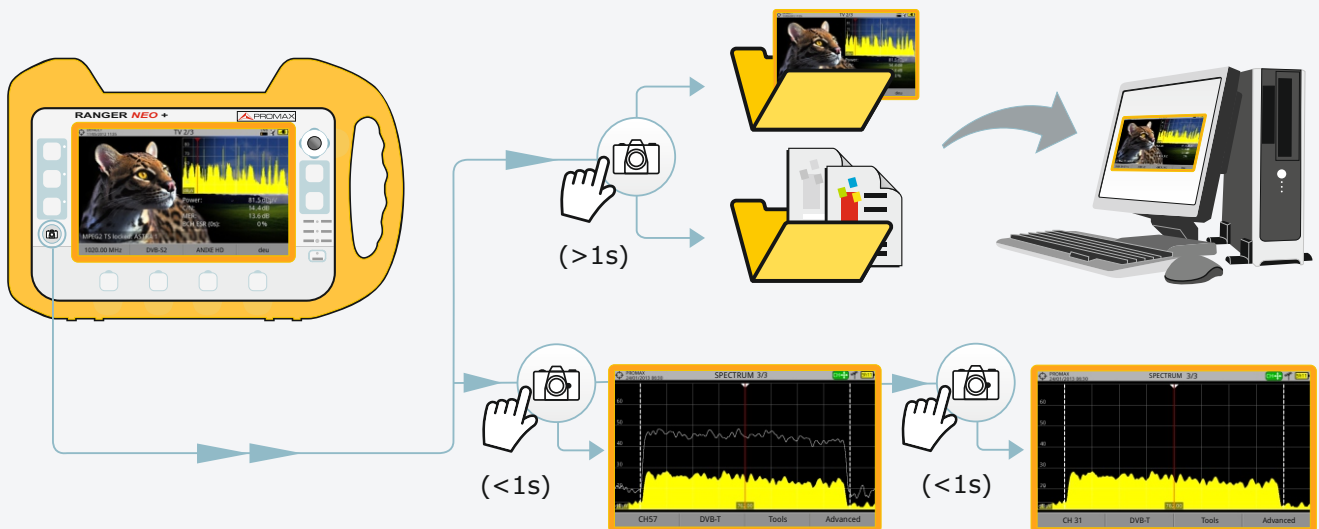
- Equipment
- Appearance
- Time and Date
- Measurements
- Tools
- Stealth-ID
- Security
- Network
- SMTP
- NTP

Provider Name	SN Release	Date Free System Memory	Free Data Memory Company	User
Language: Skin:	Power Off: Background:	TFT Screen: Color System:	Values Format:	
Date:	Time:	Date Format:	Time Zone:	
Terrestrial Units:	Sat. Band:	Position Tone	Min. TER. Level:	Power Offset:
Satellite Units:	Ref. Level:	Min. TER. Power:	Min. FM. Level:	
Optical Units:	Ter. Downlink:	Min. SAT. Power:	Inp. Impedance:	
Datalogger PSI:	Export button:	LTE Filter F.Max:	Moni. ddbb loc.	
Database services:	LTE Filter F.Min:	Center Freq:		
Analog Terrestrial	<input type="checkbox"/> ANALOG → <input type="checkbox"/> FM			
Digital Terrestrial	<input type="checkbox"/> DVB-T → <input type="checkbox"/> DVB-C → <input type="checkbox"/> DVB-T2 → <input type="checkbox"/> DVB-C2			
Digital Satellite	<input type="checkbox"/> DVB-S → <input type="checkbox"/> DVB-S2 → <input type="checkbox"/> DSS			
PIN Code 1234				
MAC:	DHCP:	IP Address:	Mask:	Gateway:

INSTALLATION MANAGEMENT

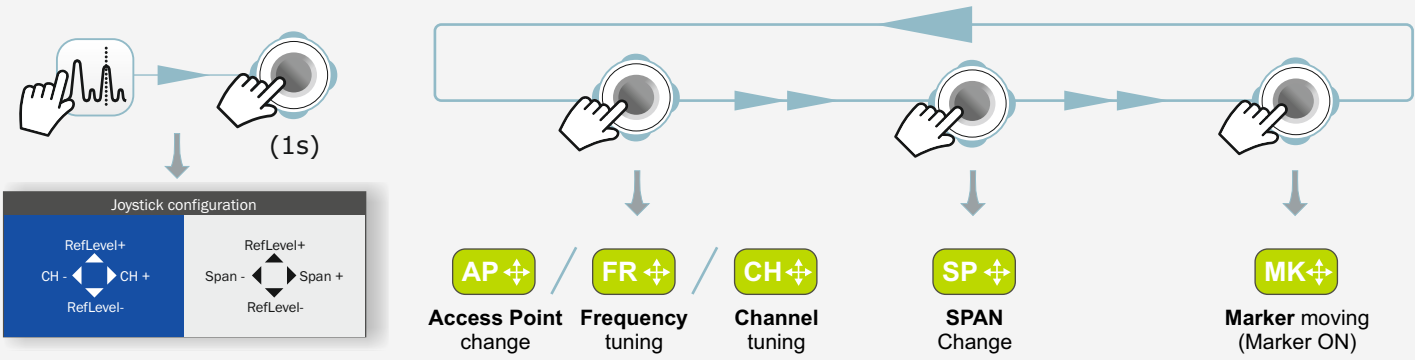


EXPORT* IMAGE / DATA / SPECTRUM



*Export settings in Preferences

▶ JOYSTICK



PARAMETER EDITION

Joystick Action	Tuning Parameters
F1	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.00 MHz ●
x3	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.00 MHz ●
→	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.00 MHz ●
←	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.00 MHz ●
↑	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.10 MHz ●
↻	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.10 MHz ●

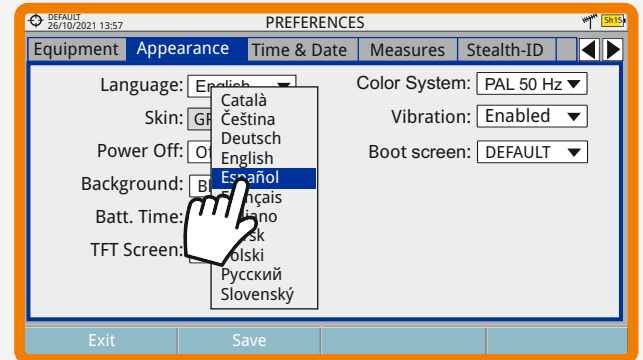
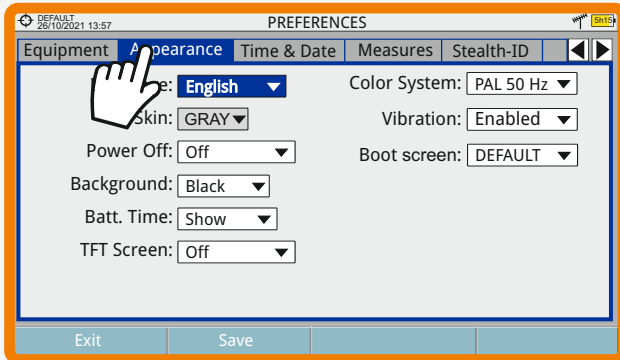
PARAMETER SELECTION

Joystick Action	Advanced Parameters
F4	Average: 0 ● Spectrum Line: Outline ▾
↓	Average: 0 ● Spectrum Line: Outline ▾
→	Average: 0 ● Spectrum Line: Outline ▾ Outline: Solid Trans.
←	Average: 0 ● Spectrum Line: Outline ▾ Outline: Solid Trans.
↻	Average: 0 ● Spectrum Line: Solid ▾

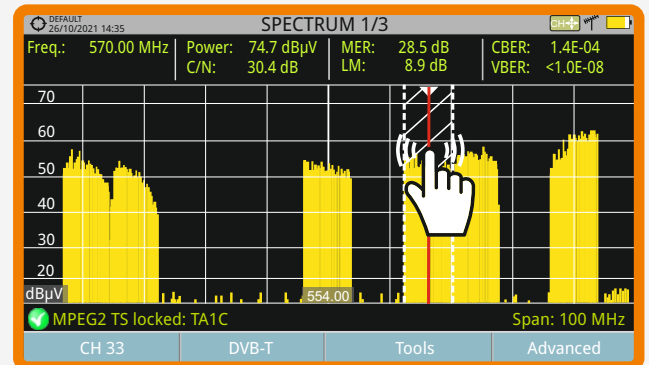
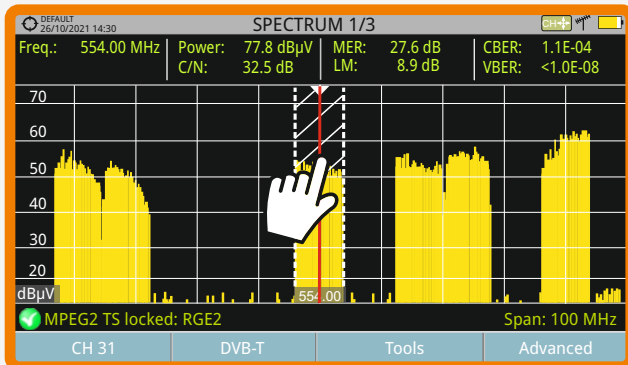


TOUCH SCREEN

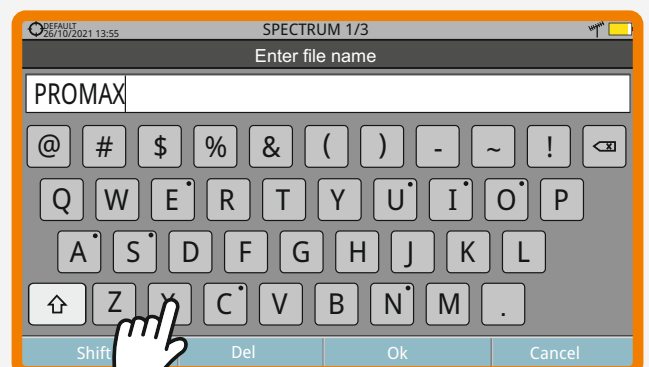
MENU SELECTION



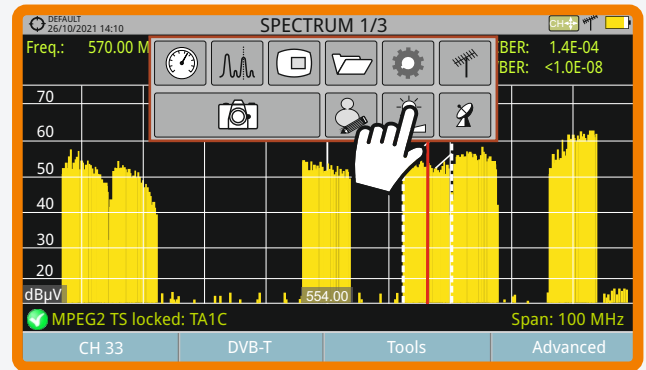
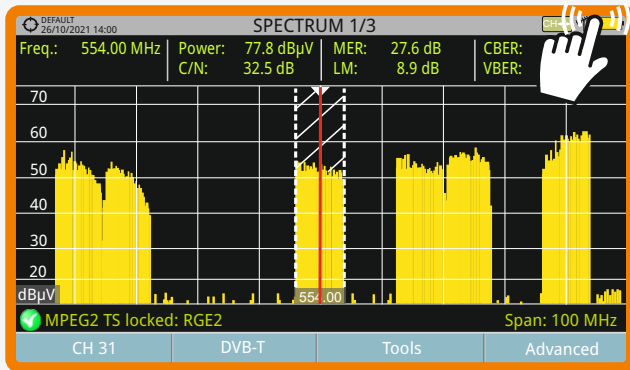
FREQUENCY SELECTION



VIRTUAL KEYBOARD WRITING



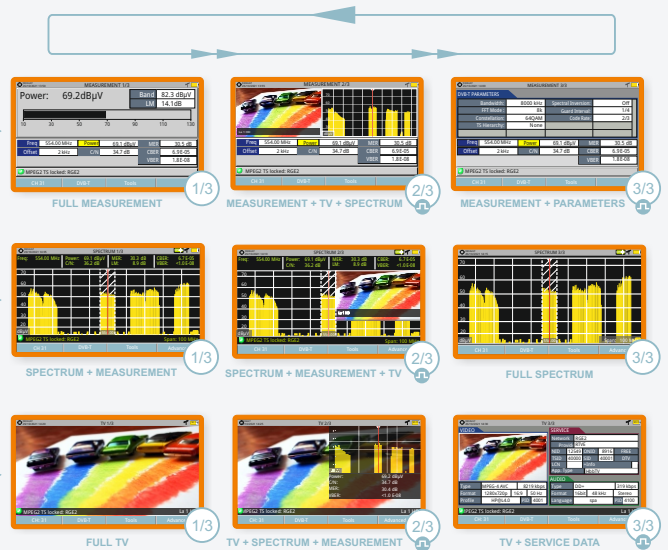
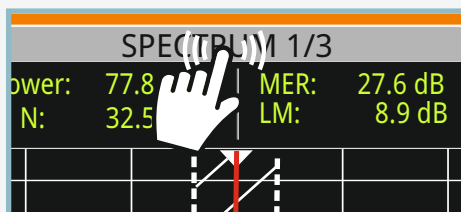
TOOLBAR



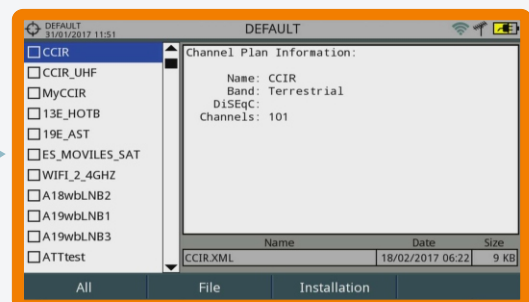
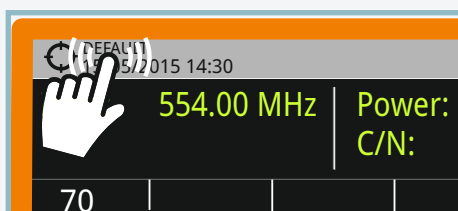
TOOLBAR ICONS

- Measurement Mode
- Settings
- Video & Audio Settings
- Spectrum Analyser Mode
- Terrestrial Band
- Preferences
- TV Mode
- Satellite Band
- Screen Capture
- Installations Management

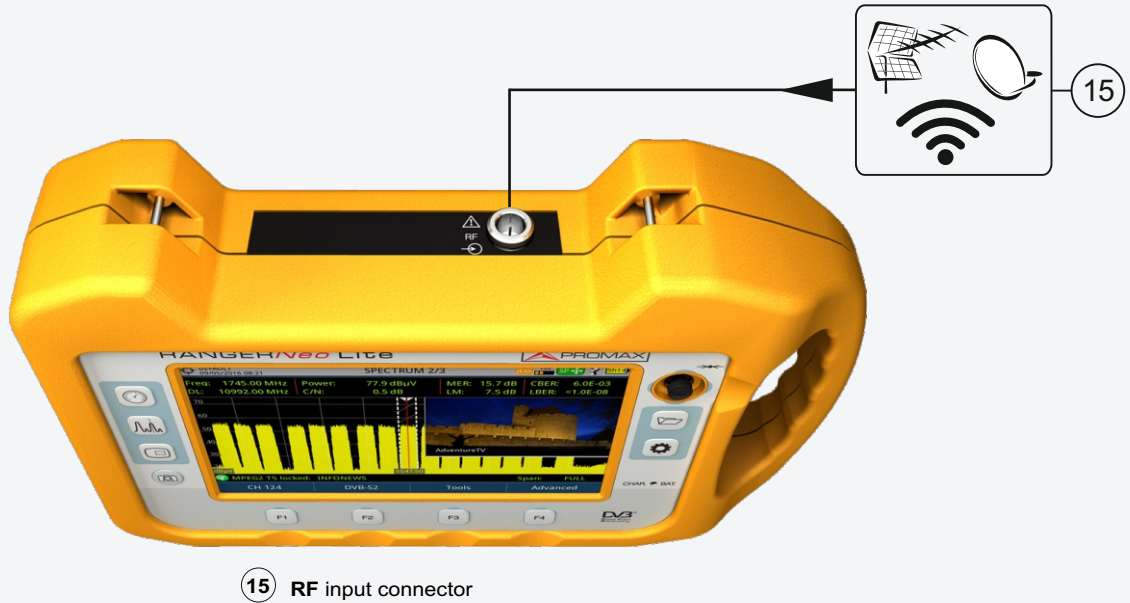
MODE SCREENS



INSTALLATIONS MANAGEMENT

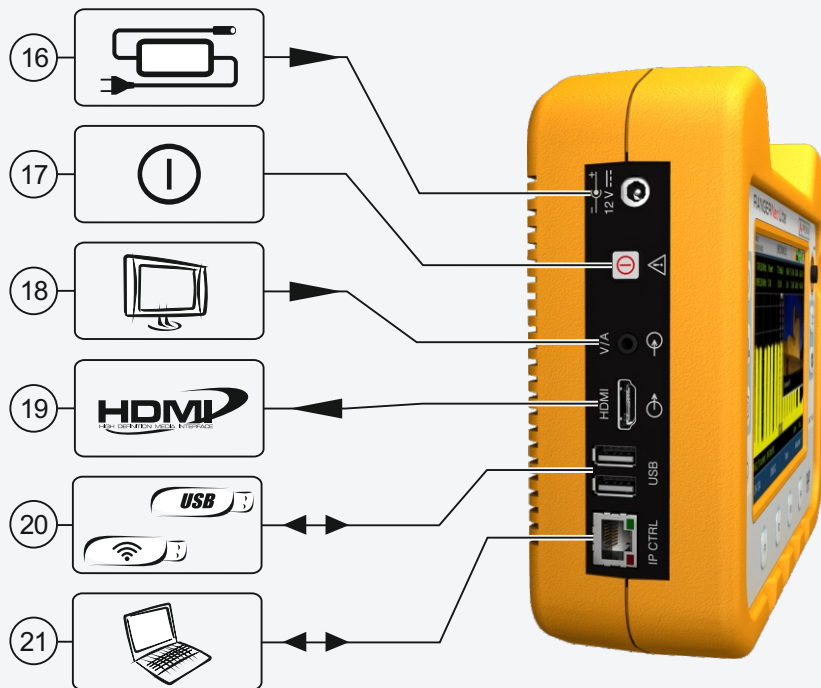


TOP VIEW



SIDE VIEW

- 16 Power input connector
- 17 ON/OFF button
- 18 Video/Audio input
- 19 HDMI output
- 20 USB connectors
- 21 ETHERNET connector for PC (NetUpdate)



RESET

If the device crashes, press the ON/OFF button for 10 seconds. If the device does not respond then press the F4 key for 6 seconds and then release to reset (see user's manual for more information).

