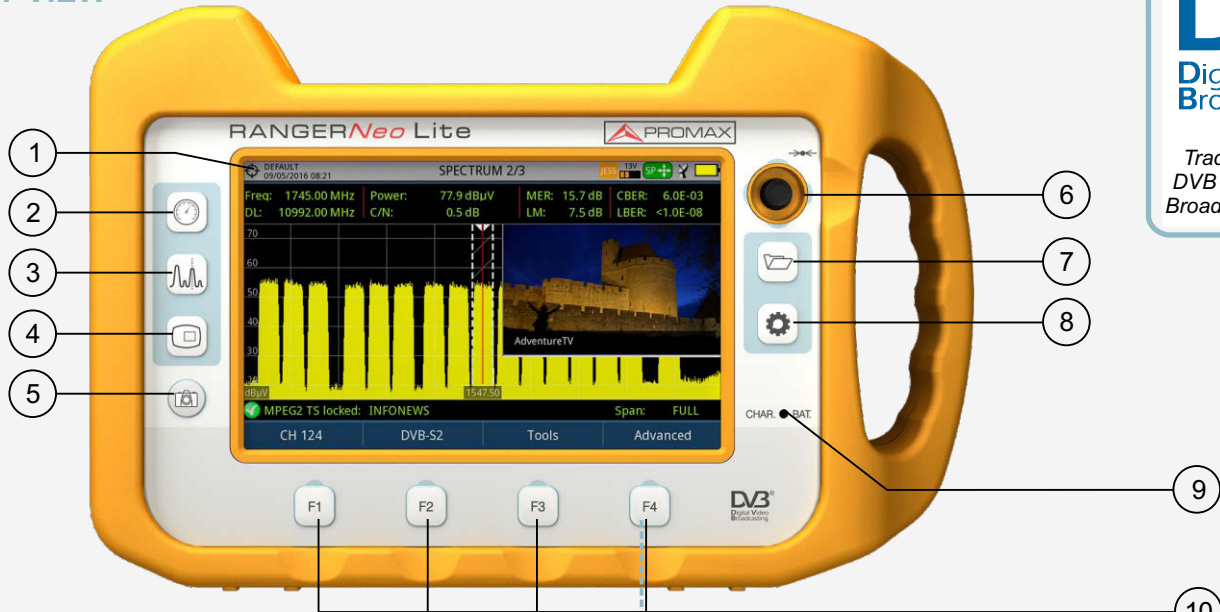




Trademark of the DVB - Digital Video Broadcasting Project

## FRONT VIEW



- |   |                                |
|---|--------------------------------|
| 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)<br>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. Connect antenna and satellite dish.

2. Settings menu:

- 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

2/3 MEASUREMENT + TV + SPECTRUM

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		

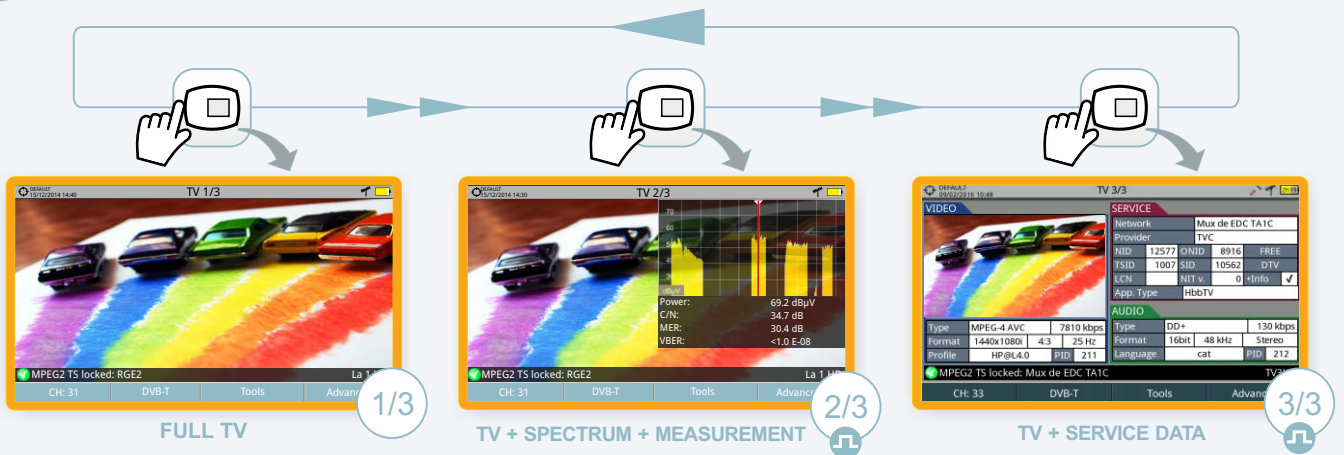
### ► SPECTRUM ANALYSER

1/3 SPECTRUM + MEASUREMENT

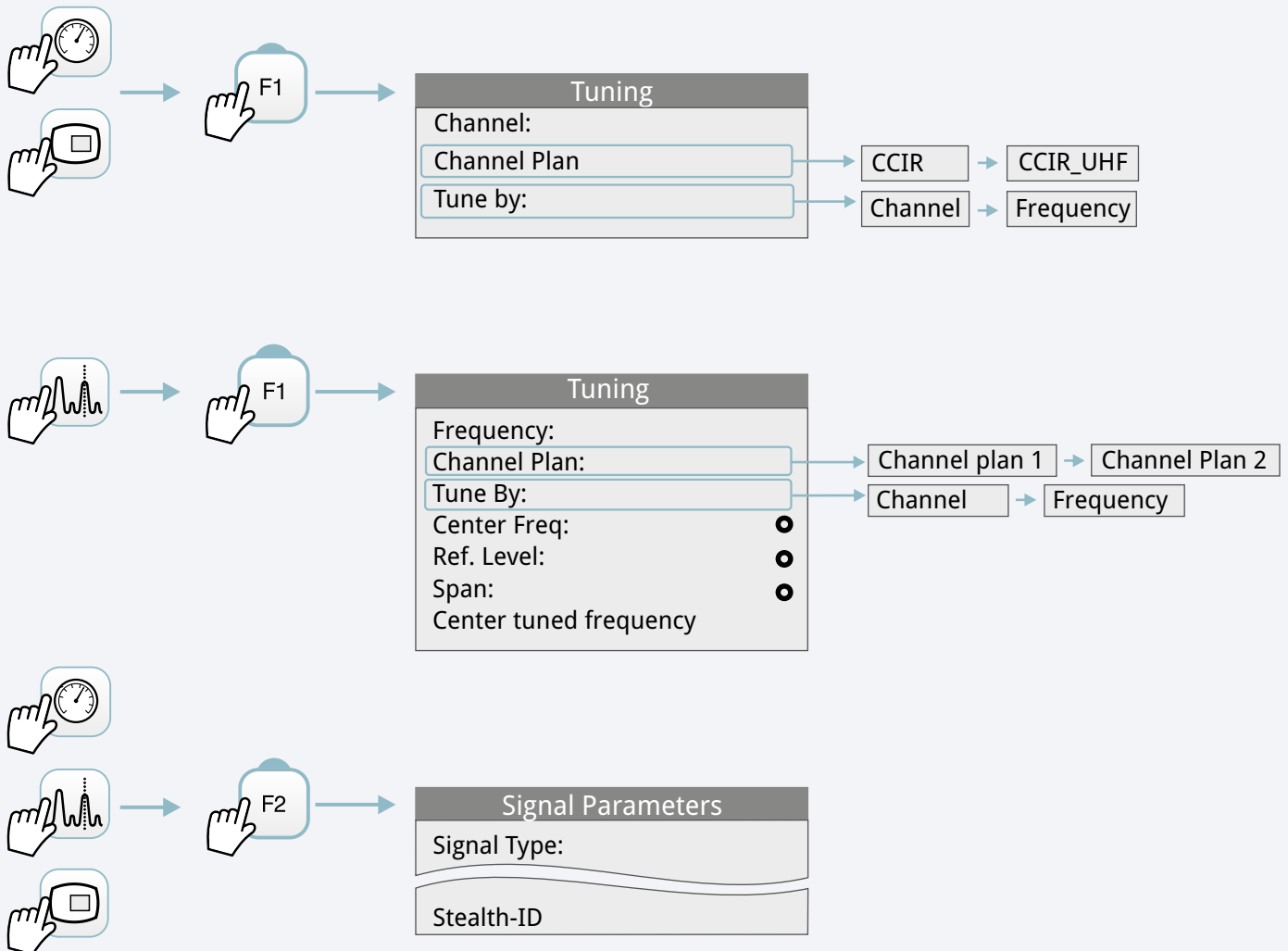
2/3 SPECTRUM + MEASUREMENT + TV

3/3 FULL SPECTRUM

## TV MODE



## RF MENUS





F3

### Tools

- Select Service...
- Explore Channel Plan
- Discover FM Stations
- Field Strength:
- Datalogger
- Service Recording... (📶)
- Echoes (📶)
- Constellation (📶)
- LTE Ingress Test
- Attenuation Test
- Task Planner... (📶)
- Wi-Fi Configuration
- Analogue Input (🔄)

Off → On

New... → Test & Go → DL00

Antenna → External



F4

### 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

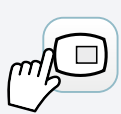
Off → On

PEAK → RMS

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

Off → On

Set → Clear



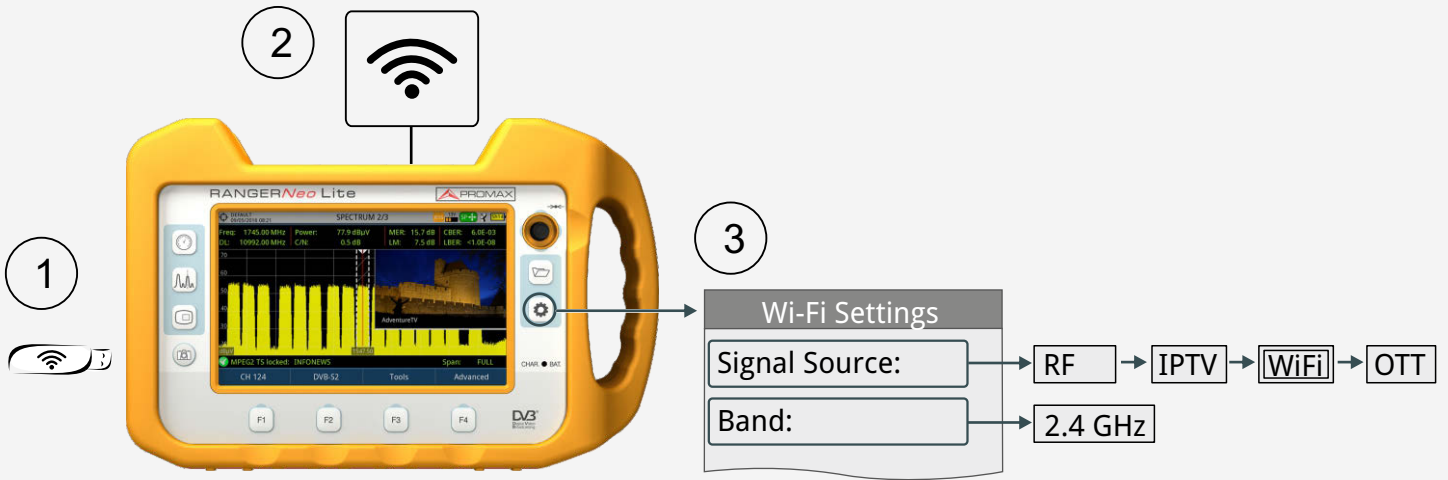
F4

### Advanced

- Audio: (📶)
- Discovered URLs: (📶)
- TS Data: (📶)
- Aspect Ratio (🔄)

4:3 → 16:9

## WIFI ► SETTINGS



## WIFI ► SCREENS

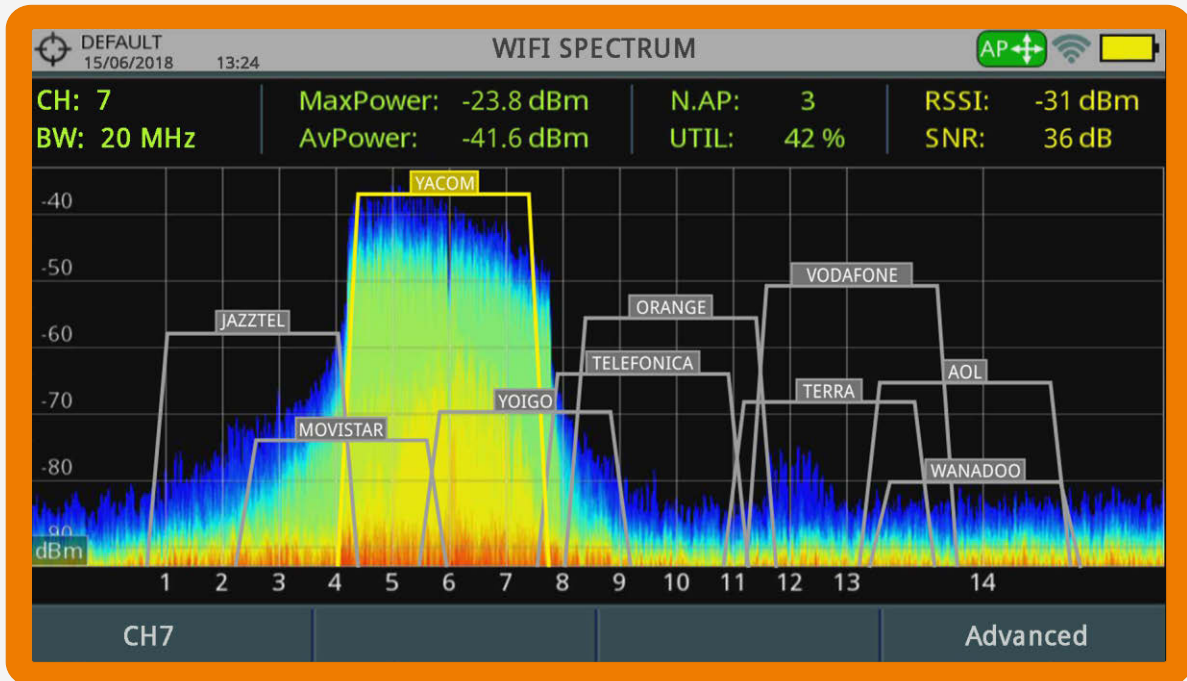
### ► SITE SURVEY

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			

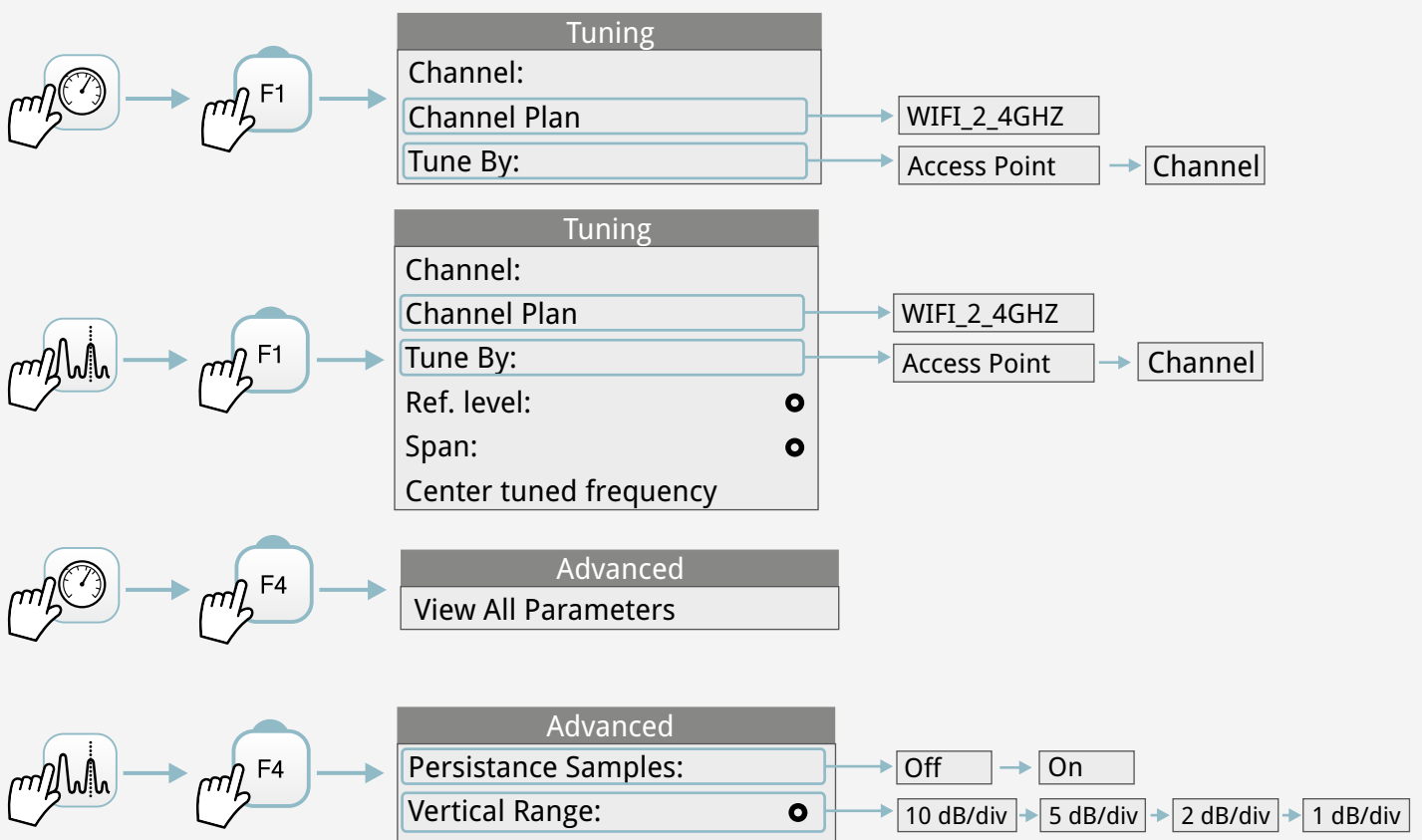
CH 1 Advanced



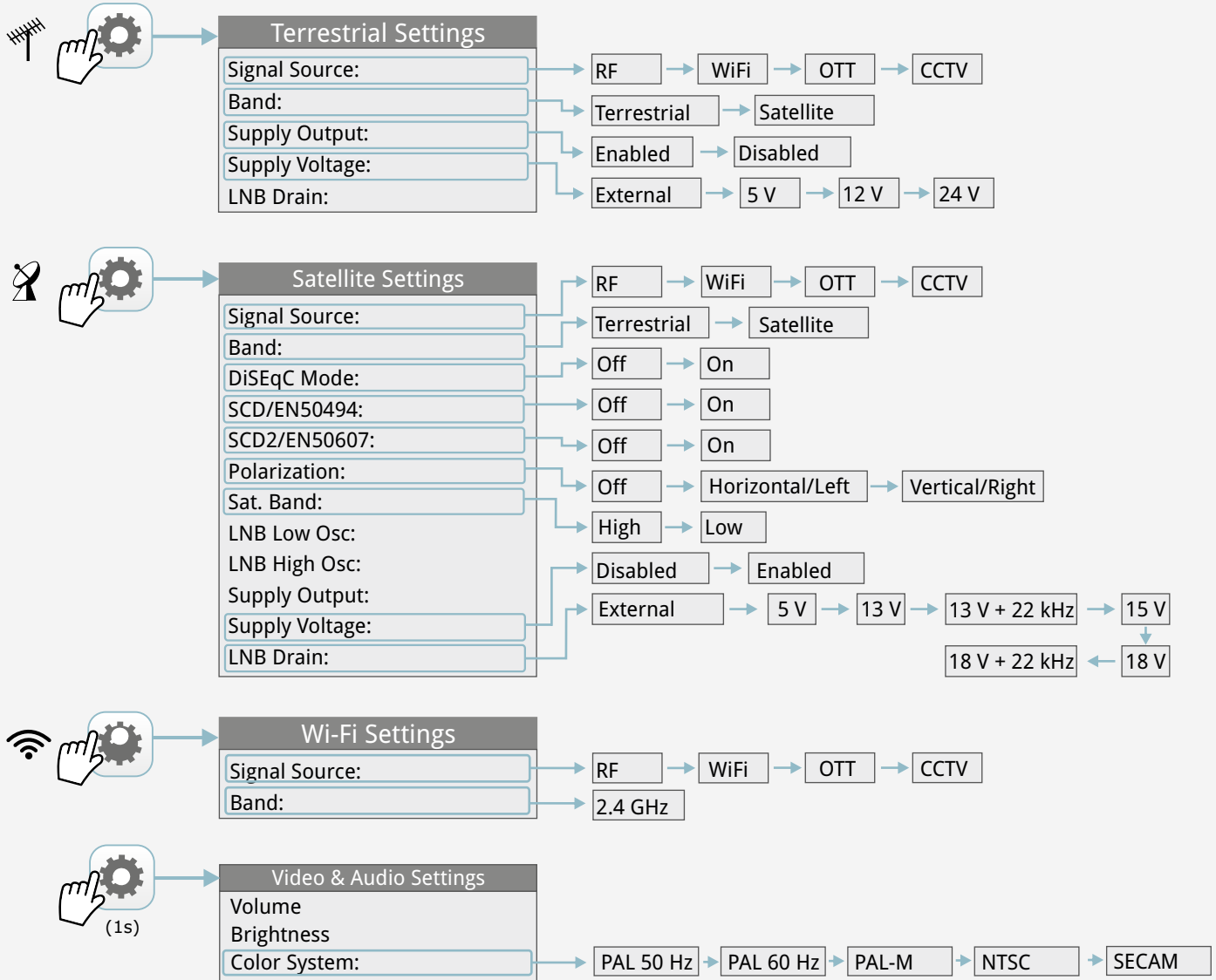
## WIFI SPECTRUM



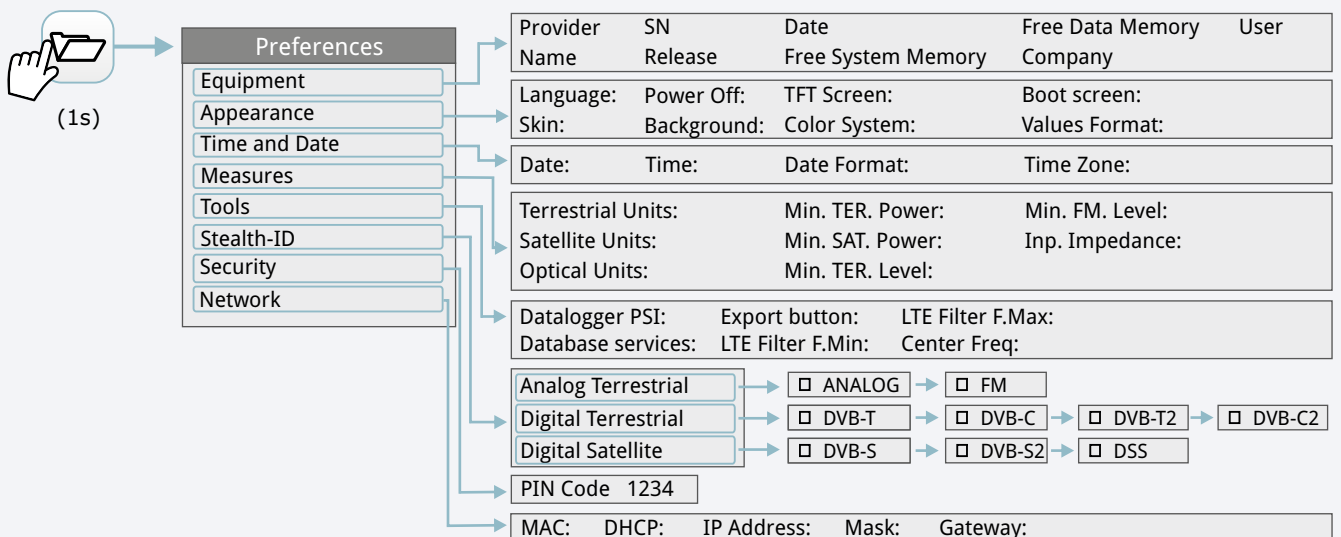
## WIFI MENUS



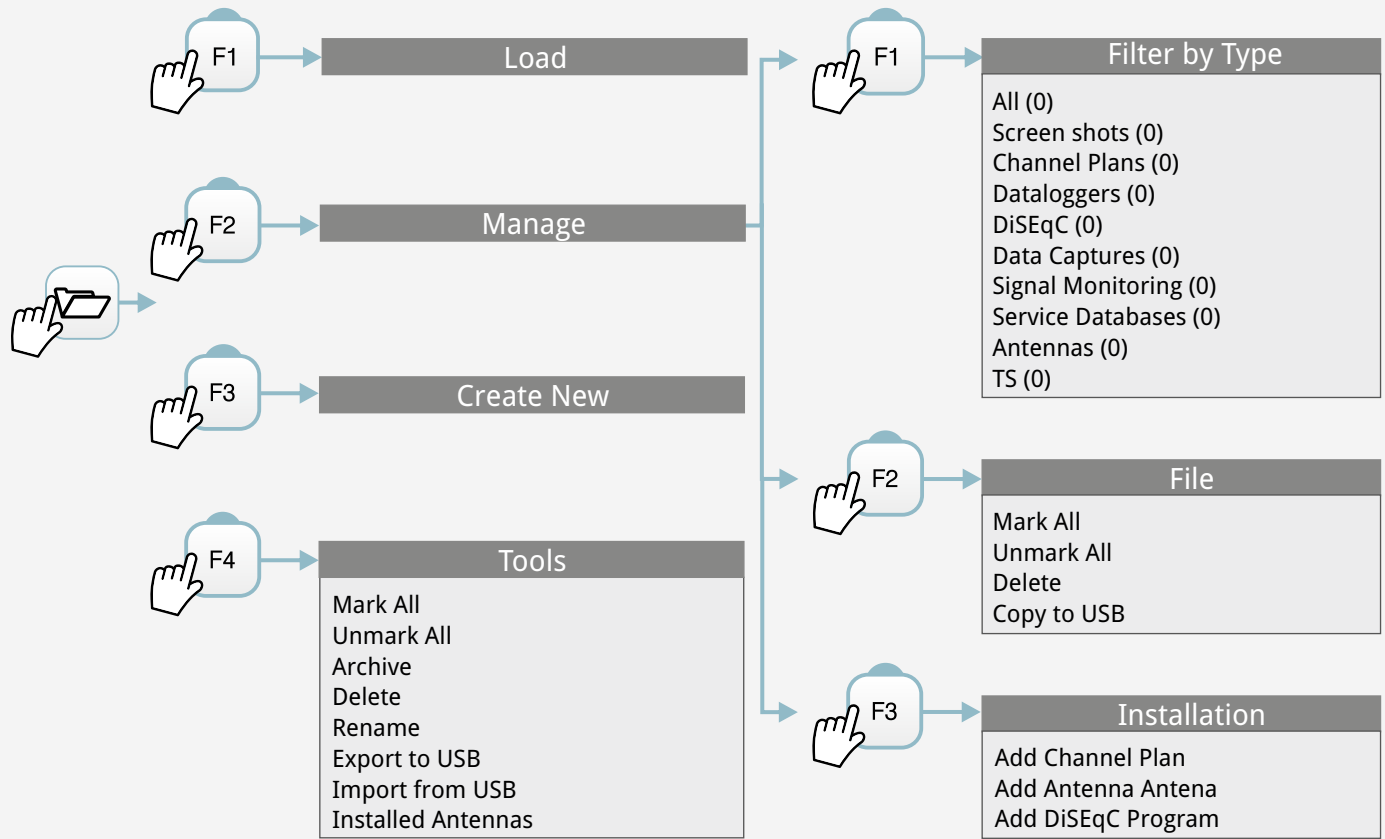
## SETTINGS MENU



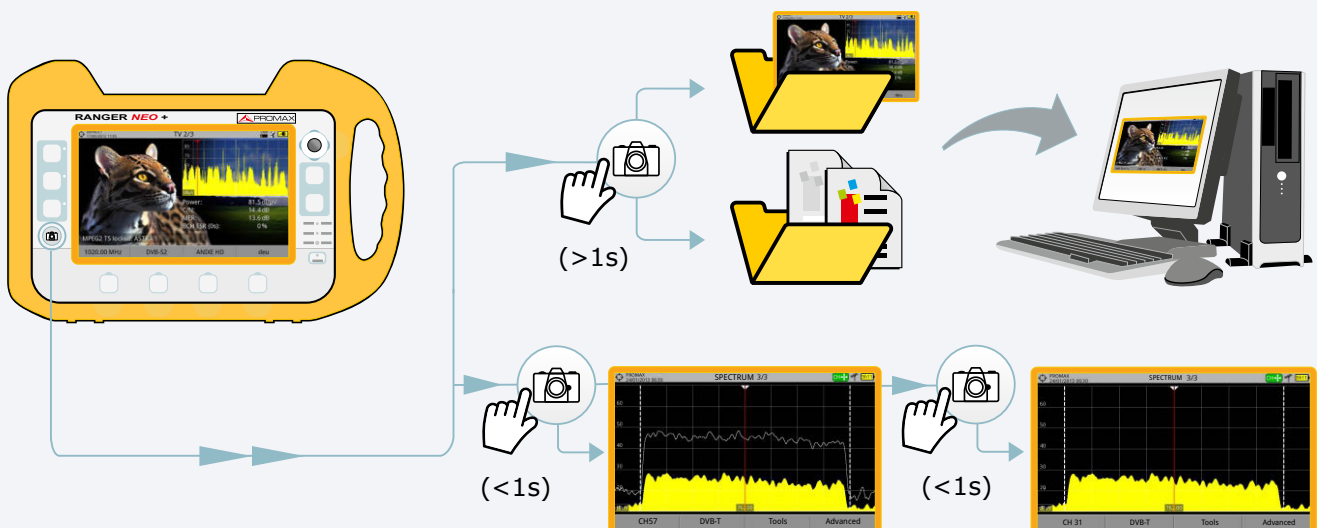
## PREFERENCES MENU



## INSTALLATION MANAGEMENT



## EXPORT\* IMAGE / DATA / SPECTRUM



\*Export settings in Preferences

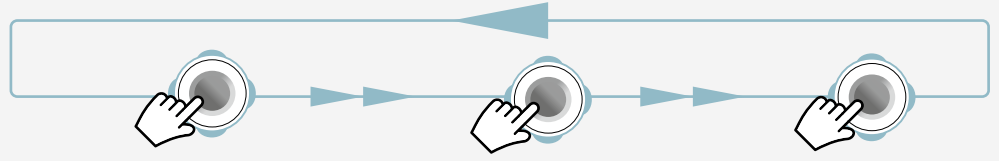
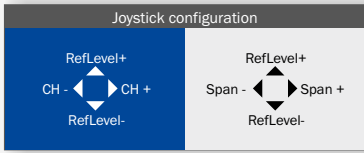




## ▶ JOYSTICK



(1s)



**AP**  
Access Point  
change



**FR**  
Frequency  
tuning



**CH**  
Channel  
tuning

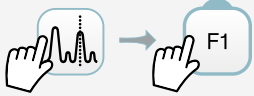


**SP**  
SPAN  
Change



**MK**  
Marker moving  
(Marker ON)

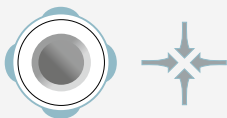
## PARAMETER EDITION



Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.00 MHz ●



Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.00 MHz ●



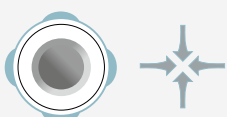
Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.00 MHz ●



Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.00 MHz ●

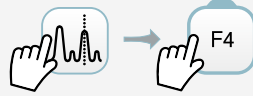


Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.10 MHz ●



Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.10 MHz ●

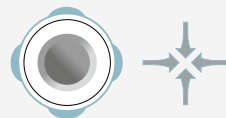
## PARAMETER SELECTION



Advanced	
Average	0 ●
Spectrum Line	Outline ▾



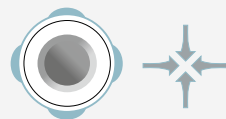
Advanced	
Average	0 ●
Spectrum Line	Outline ▾



Advanced	
Average	0 ●
Spectrum Line	Outline ▾
	Outline
	Solid
	Trans.



Advanced	
Average	0 ●
Spectrum Line	Outline ▾
	Outline
	Solid
	Trans.

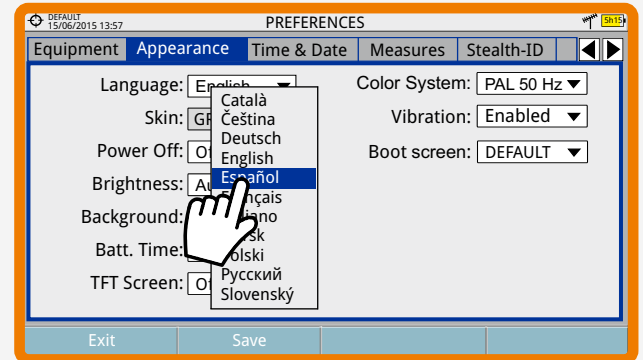
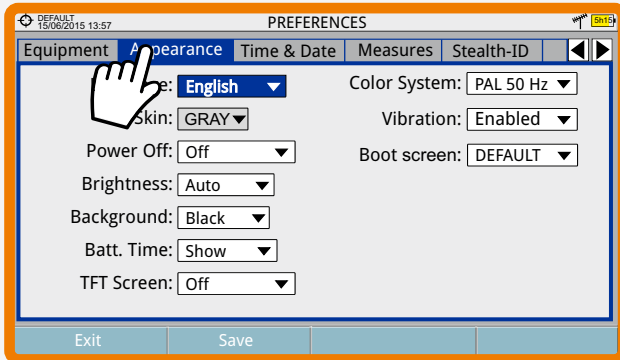


Advanced	
Average	0 ●
Spectrum Line	Solid ▾

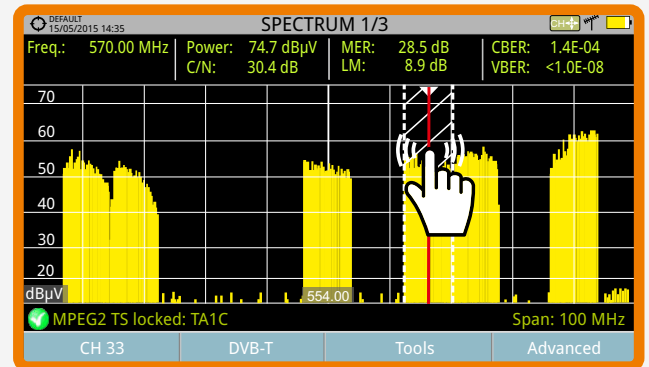
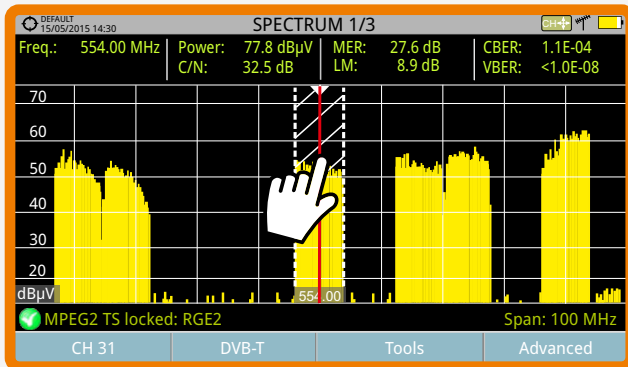


## TOUCH SCREEN

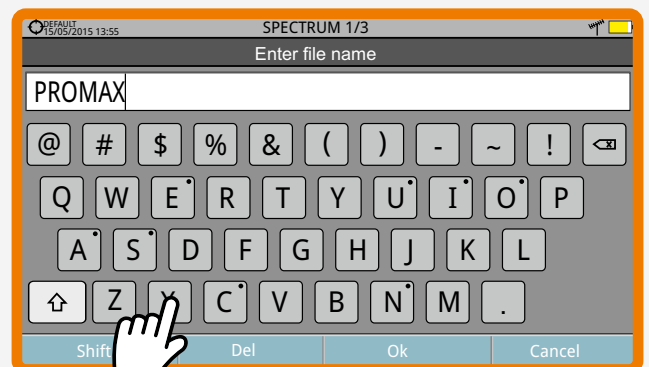
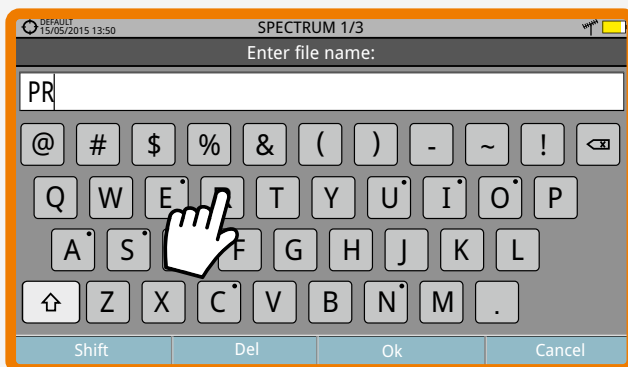
### MENU SELECTION



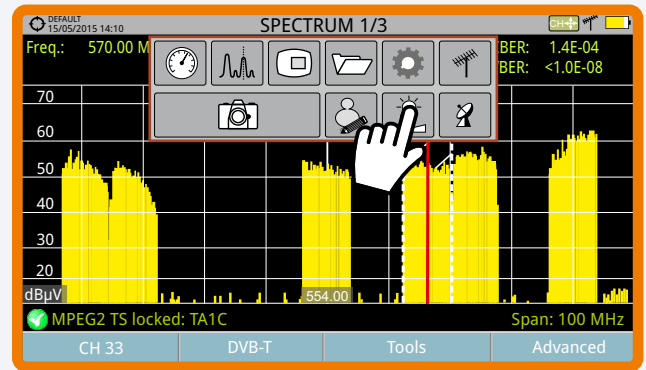
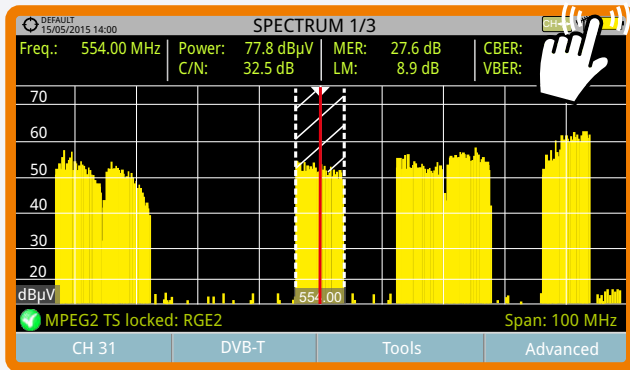
### FREQUENCY SELECTION













### VIRTUAL KEYBOARD WRITING



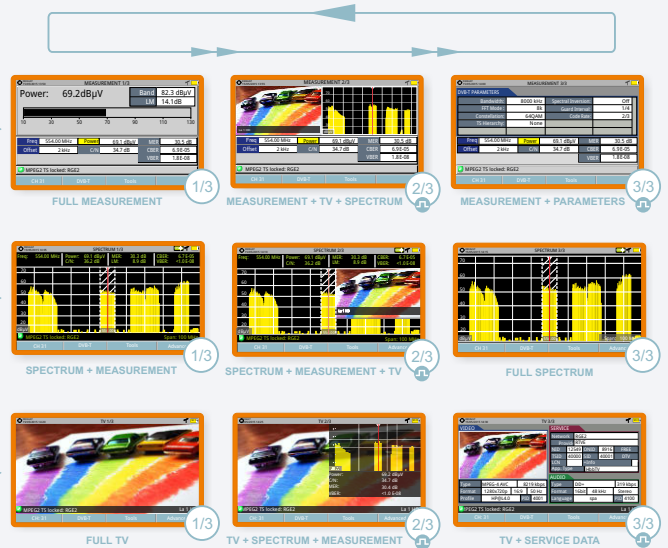
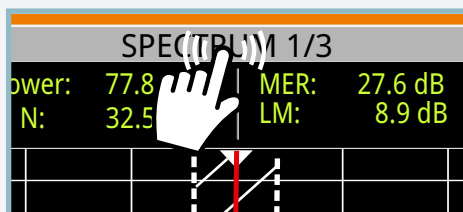
## TOOLBAR



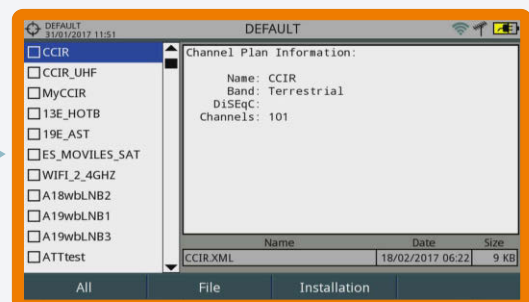
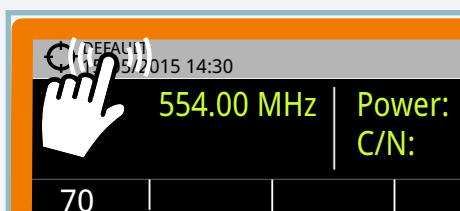
## TOOLBAR ICONS

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

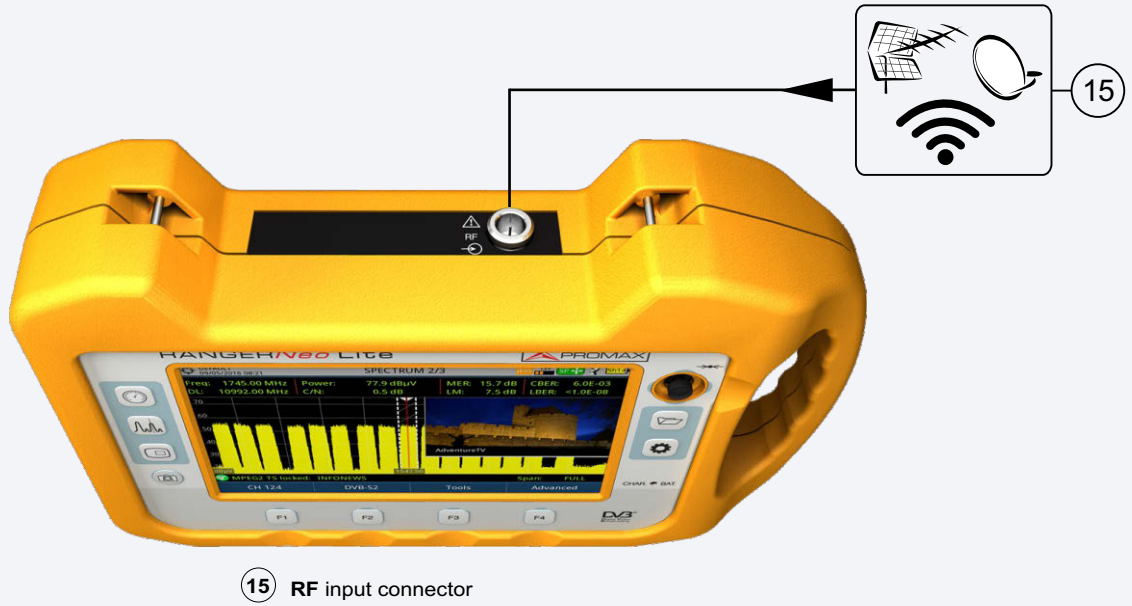
## MODE SCREENS



## INSTALLATIONS MANAGEMENT

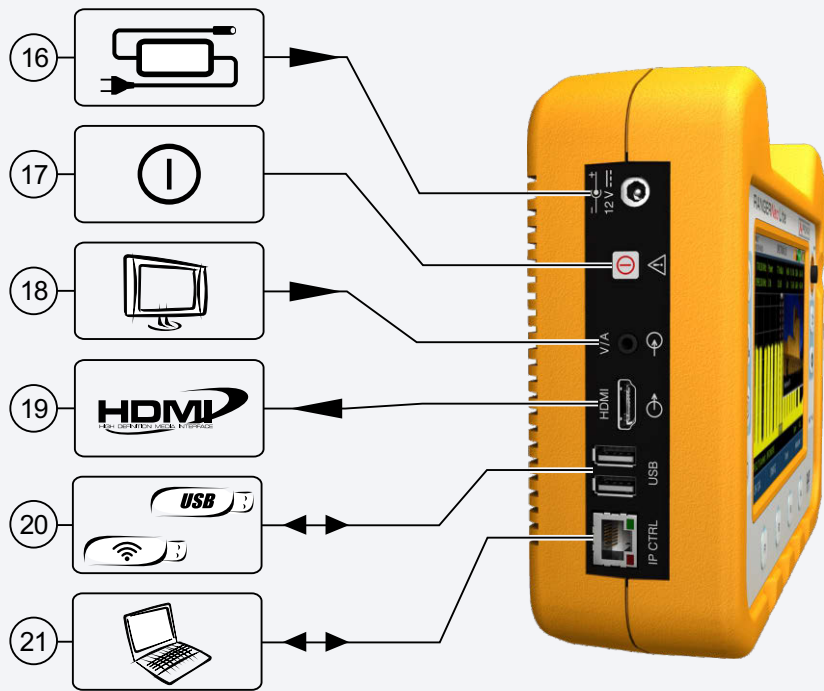


## TOP VIEW



## 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).