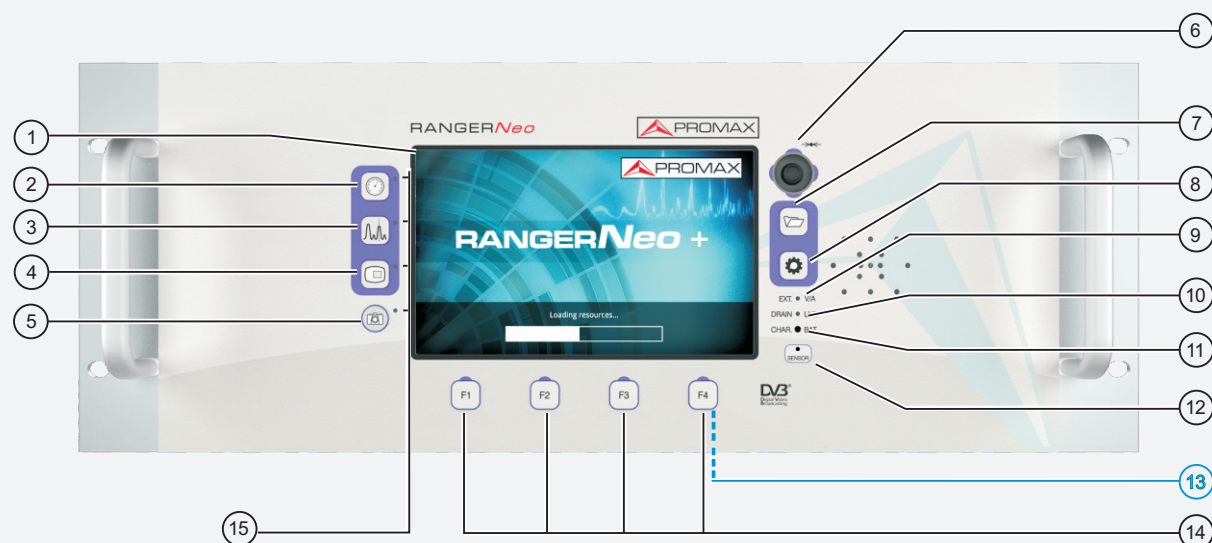


FRONT VIEW



DVB
Digital Video
Broadcasting

Trademark of the
DVB - Digital Video
Broadcasting Project

- | | | |
|---|--|------------------------------------|
| ① Touch Screen | ⑥ Joystick | ⑪ Battery charging indicator |
| ② Measurement key | ⑦ Installations management key | ⑫ Light sensor |
| ③ Spectrum key | ⑧ Settings key | ⑬ Reset (press and hold 5s) |
| ④ TV key | ⑨ External Audio/Video Input indicator | ⑭ Softkeys |
| ⑤ Export (press >1s)
/ Reference (press <1s) | ⑩ External unit power Supply indicator | ⑮ Active Function indicator |

SCREEN ICONS REFERENCE

STATUS BAR

- Battery charging**
- Battery not charging, time left indicator**
- Battery not charging, Yellow level indicates charge left**
- 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

* Optical Option. Refer annex on the User's Manual

Task scheduled 5 GHz RF Auxiliary Input*

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

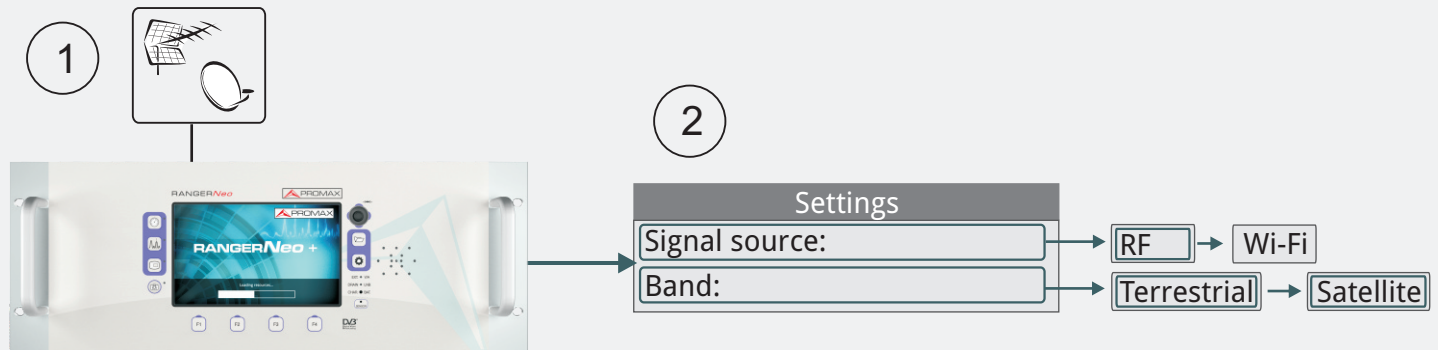
- TFT backlight brightness** **Volume**

ON:

OFF:

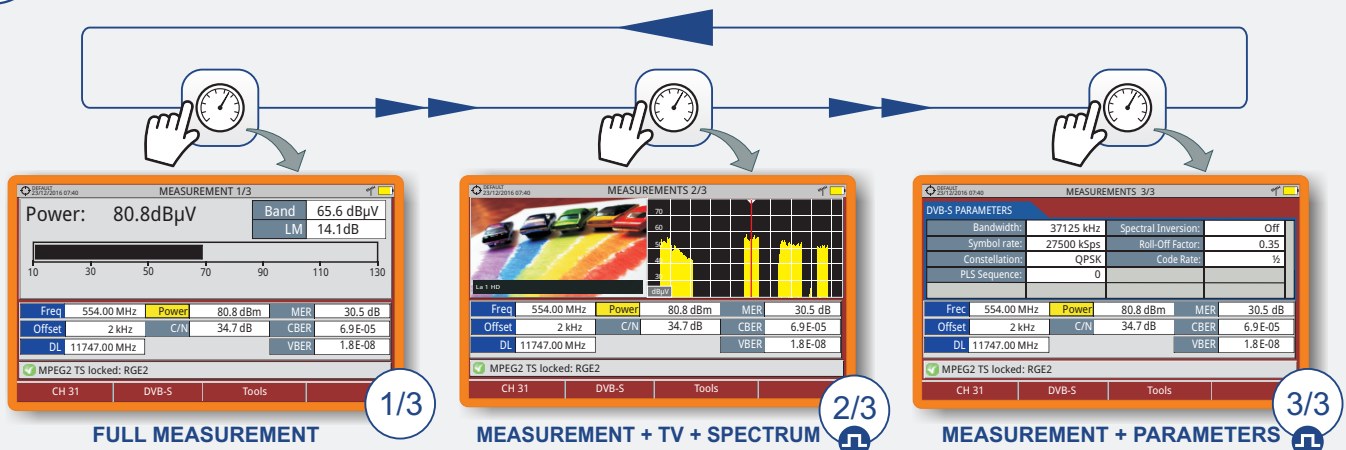


RF ► SETTINGS

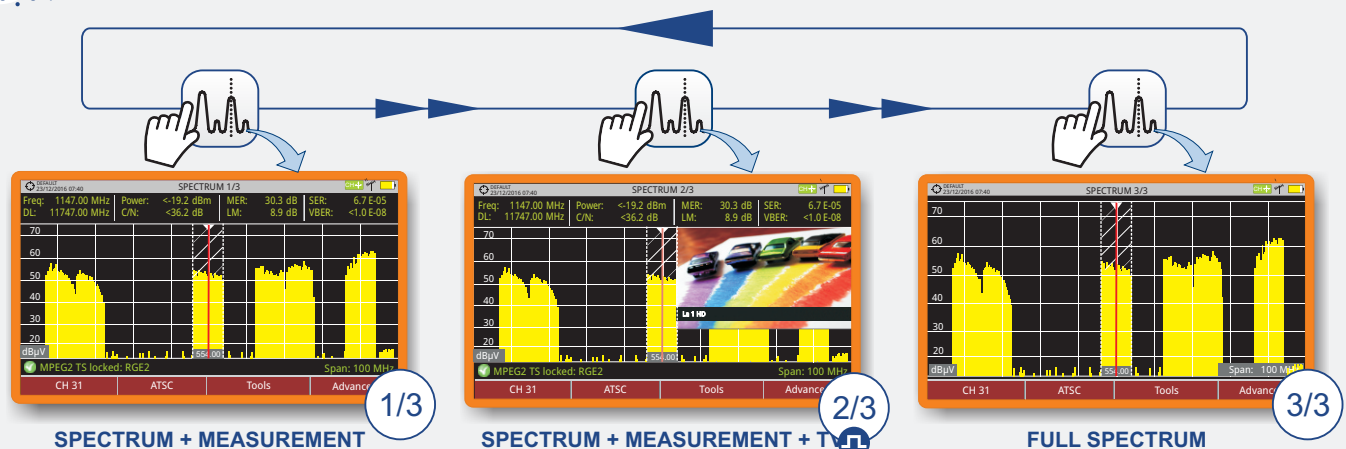


RF ► SCREENS

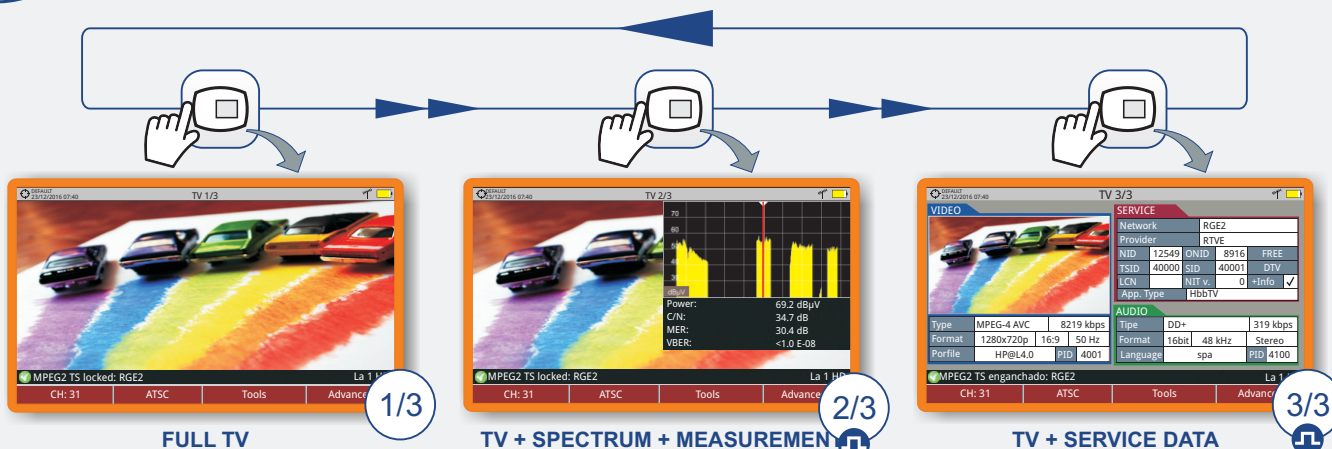
► MEASUREMENT



► SPECTRUM ANALYSER



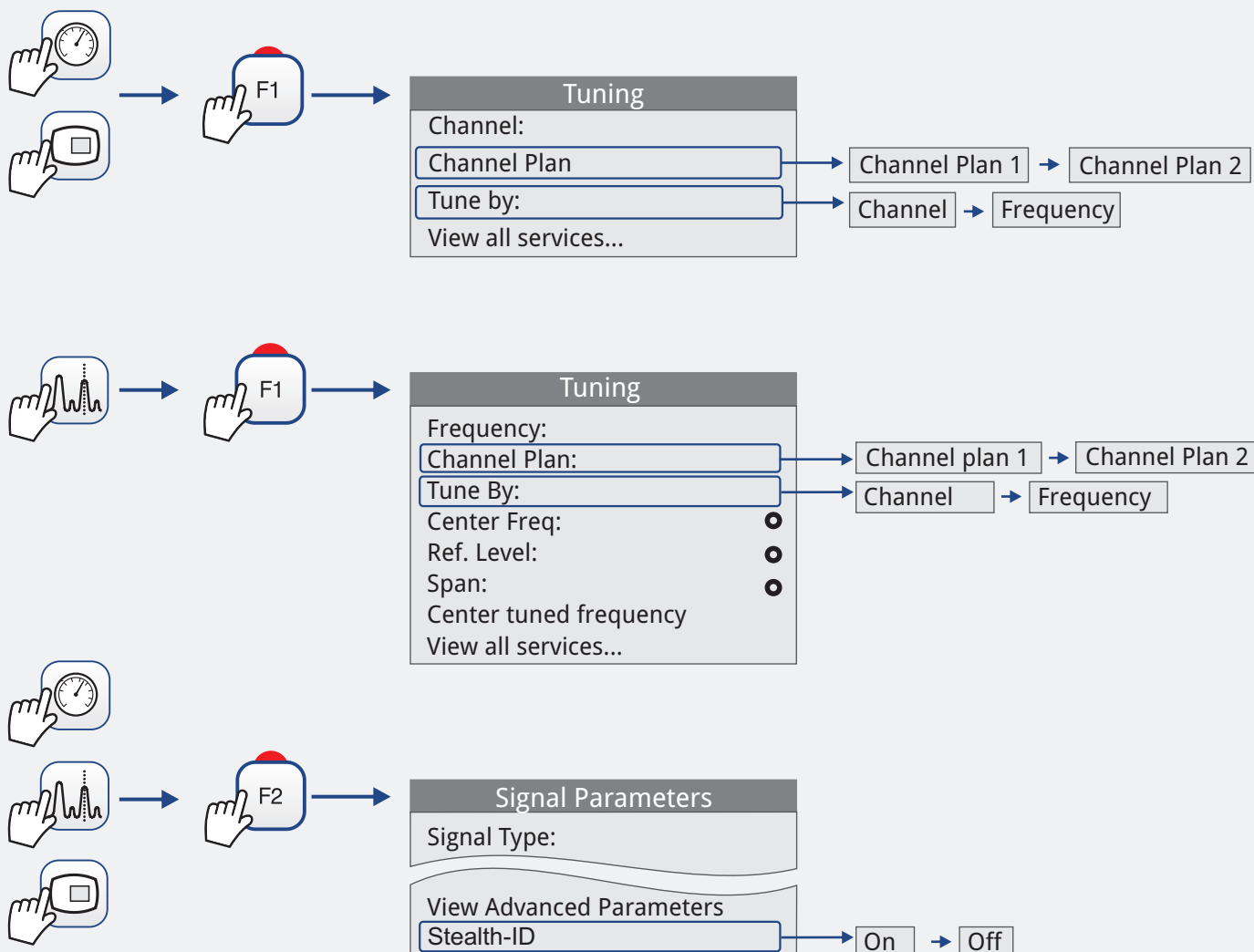
TV MODE

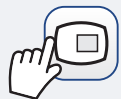


RF



► MENUS





Tools

- Select Service...
- Signal Monitoring
- Explore Channel Plan
- Discover FM Stations
- Field Strength:
- Datalogger
- Service Recording...
- Constellation
- LTE Ingress Test
- Attenuation Test
- Task Planner...
- Spectrogram
- Wi-Fi Configuration
- Analogue Input

Off → On

New... → Test & Go

Antenna → External



Advanced

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

Outline → Solid → Transparency

Off → On

Off → On

Normal

Off → Permanent → Curtain

Off → Permanent → Curtain

Off → On

PEAK → RMS

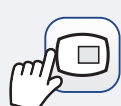
100 kHz → 200 kHz → 1000 kHz

10 dB/div → 5 dB/div → 2 dB/div

Off → On

Set → Clear

1 dB/div

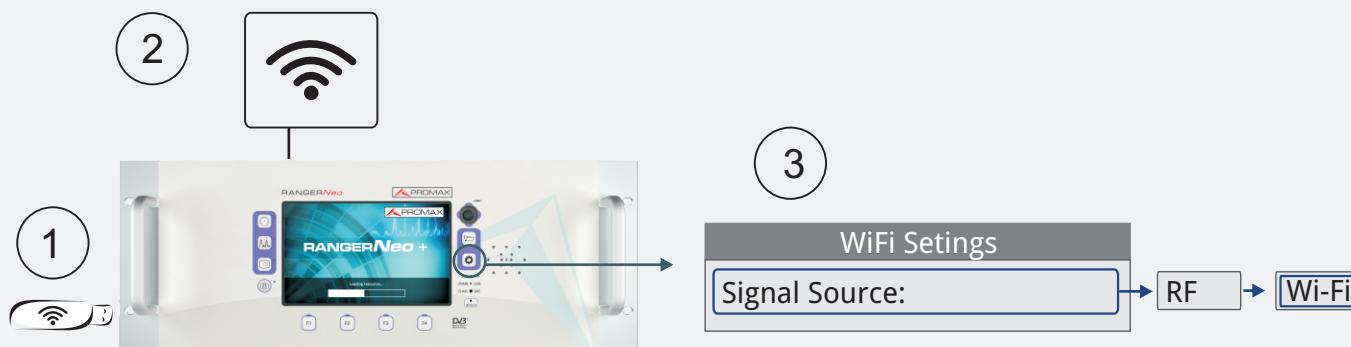


Advanced

- 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



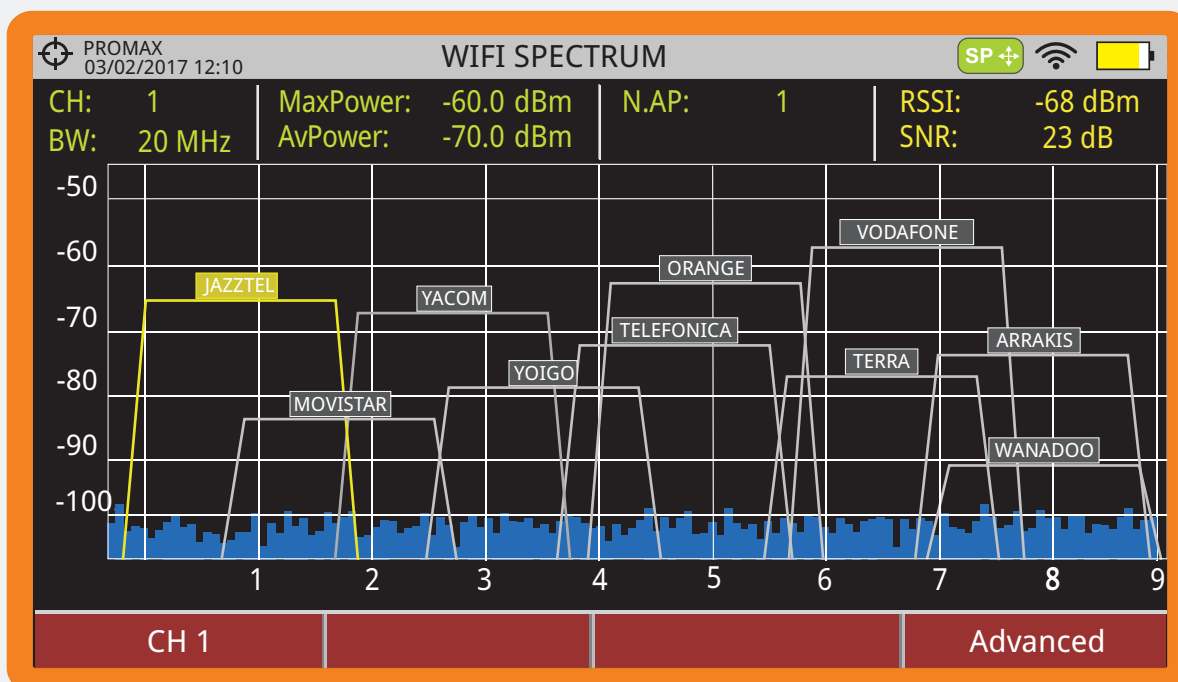

SSID	BSS	CH	RSSI(dBm)	Security	Device
JAZZTEL	01:23:45:67:89:ab	1	-86	WPA	Wireless Router...
MOVISTAR	aa:bb:cc:dd:ee:ff	2	-72	WPA2	WAP6969N
YACOM	98:76:54:32:10:fe	3	-84	WPE	
YOIGO	a1:b2:c3:d4:e5:f6	4	-74	None	
ORANGE	22:44:66:88:ab:cd	5	-70	WPA	
VODAFONE	13:57:92:46:80:31	6	-88	WPA	
ARRAKIS	ca:ac:ed:de:fb:bf	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

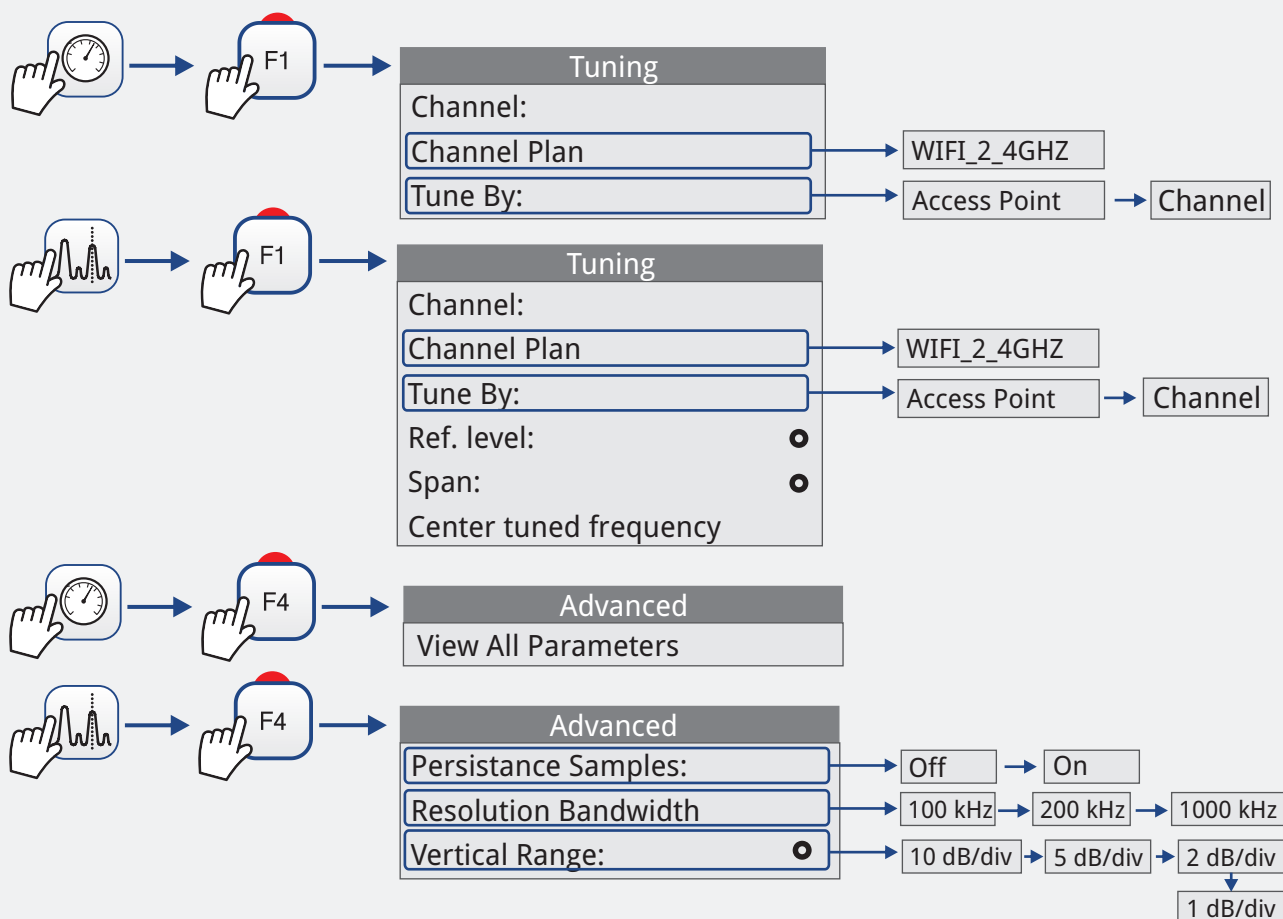
Advanced



WIFI SPECTRUM

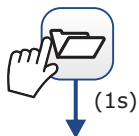


WIFI MENUS





► PREFERENCES MENU



Preferences
Equipment
Appearance
Time & Date
Measures
Tools
Stealth-ID
Security
Network

Provider Name	SN Release	Date Free System Memory	Free Data Memory Company	User
---------------	------------	-------------------------	--------------------------	------

Language Skin	Power Off Brightness	Background Batt. time	TFT Screen Color System	Boot screen Values Format
---------------	----------------------	-----------------------	-------------------------	---------------------------

Date:	Time:	Date Format:	Time Zone:
-------	-------	--------------	------------

Terrestrial Units:	Sat. Band:	Min. TER. Power:	Min. FM. Level:
Satellite Units:	Ref. Level:	Min. SAT. Power:	Inp. Impedance:
Optical Units:	Terr. Downlink:	Min. TER. Level:	

Datalogger PSI:	Export button:	LTE Filter F.Max:
Database services:	LTE Filter F.Min:	Center Freq:

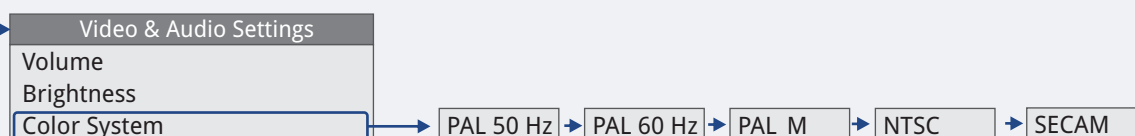
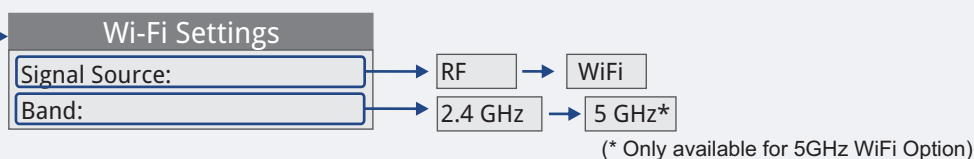
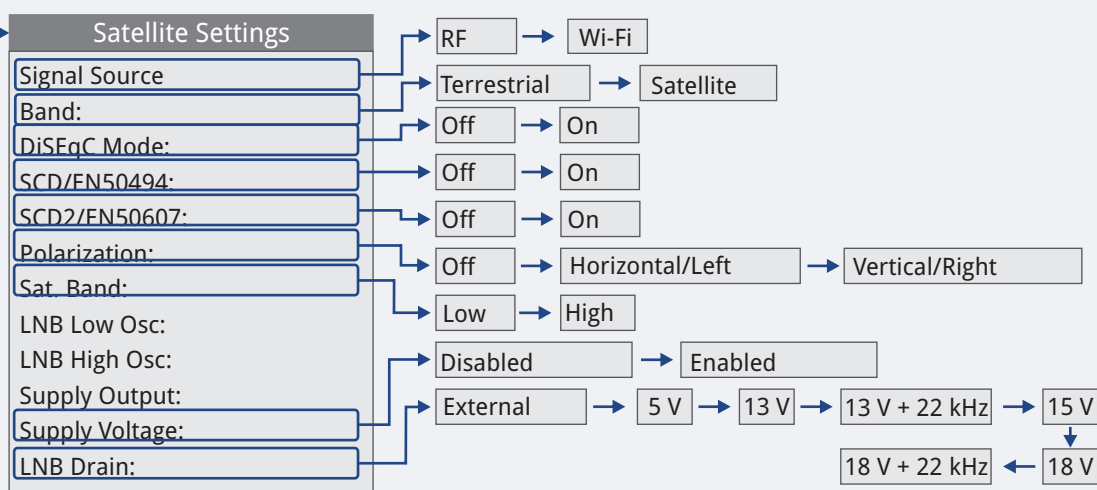
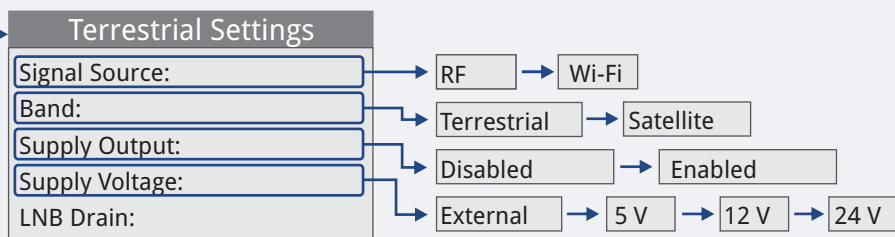
Analog Terrestrial	→	☐ ANALOG	→	☐ FM	
Digital Terrestrial	→	☐ DVB-C	→	☐ J83 Annex B	→ ☐ ATSC
Digital Satellite	→	☐ DVB-S	→	☐ DVB-S2	→ ☐ DSS

PIN Code	1234
----------	------

MAC:	DHCP:	IP Address:	Mask:	Gateway:
------	-------	-------------	-------	----------

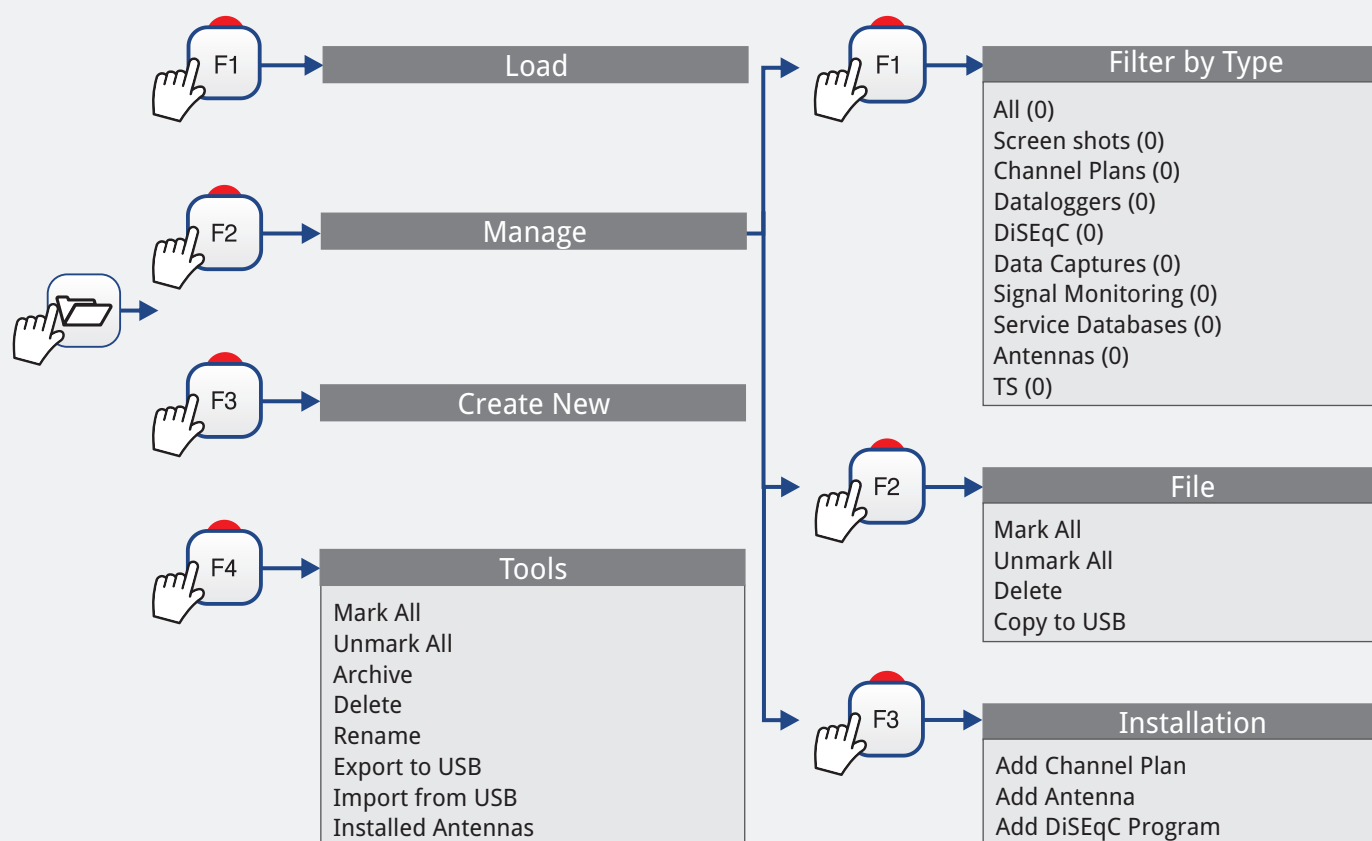


SETTINGS MENU

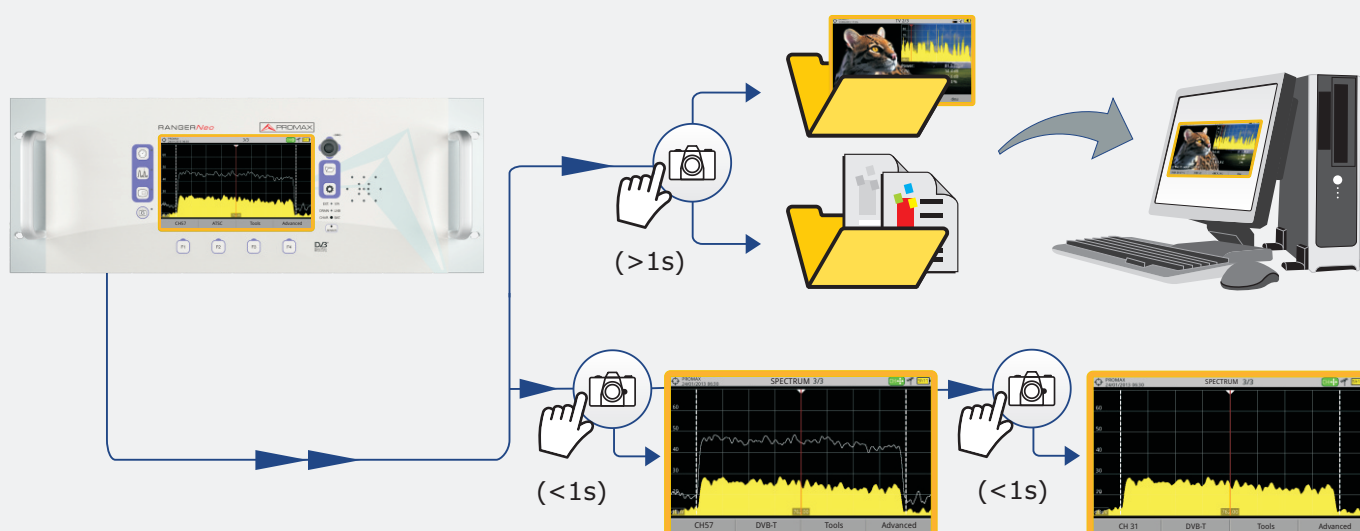




INSTALLATION MANAGEMENT



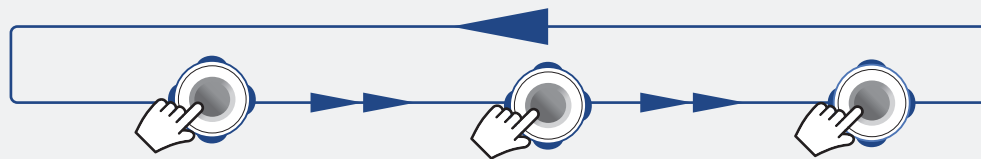
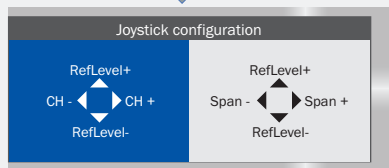
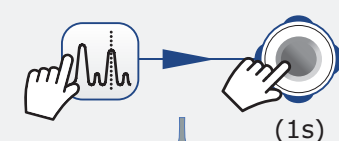
EXPORT* IMAGE / DATA / SPECTRUM



* Export settings in Preferences



▶ JOYSTICK



Access Point
change



Frequency
tuning



Channel
tuning



SPAN
Change



Marker moving
(Marker ON)

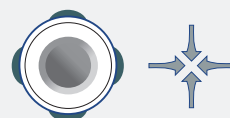
PARAMETER EDITION



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 ●



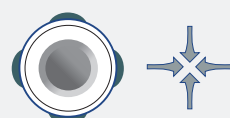
Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.00 MHz ●



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

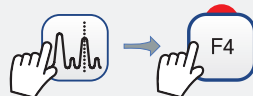


Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.10 MHz ●



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

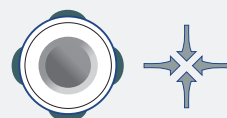
PARAMETER SELECTION



Advanced	
Average	0 ●
Spectrum Line	Outline ▾



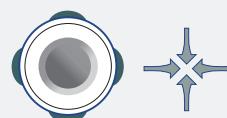
Advanced	
Average	0 ●
Spectrum Line	Outline ▾



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



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

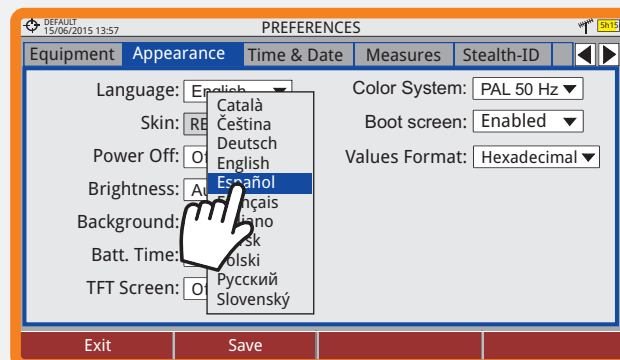
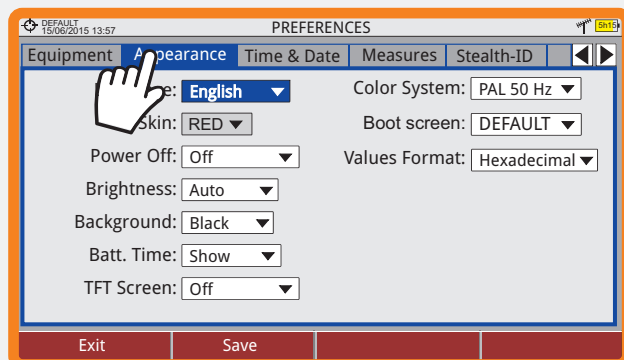


Advanced	
Average	0 ●
Spectrum Line	Solid ▾

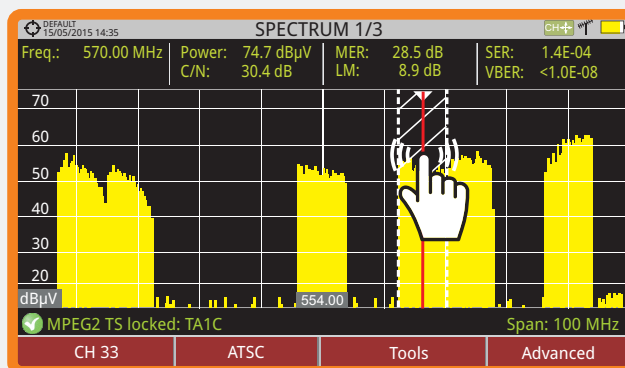
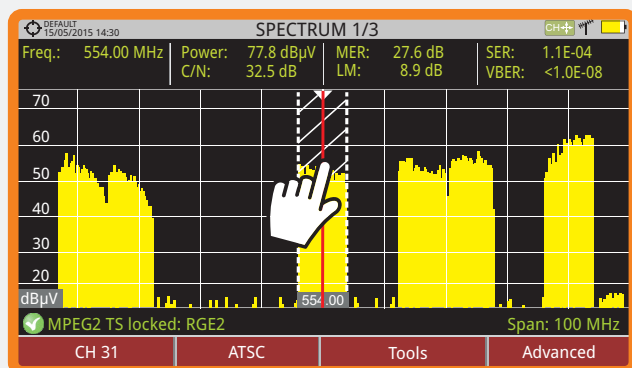


TOUCH SCREEN

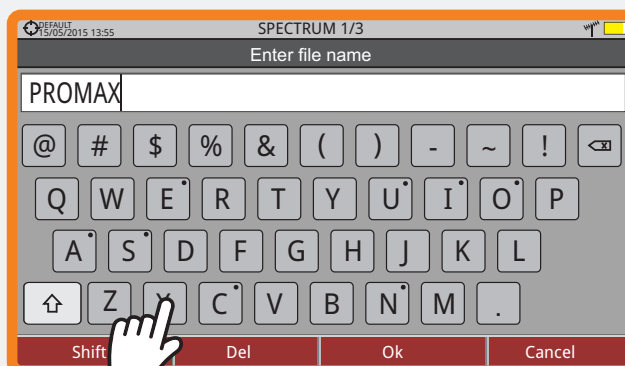
MENU SELECTION



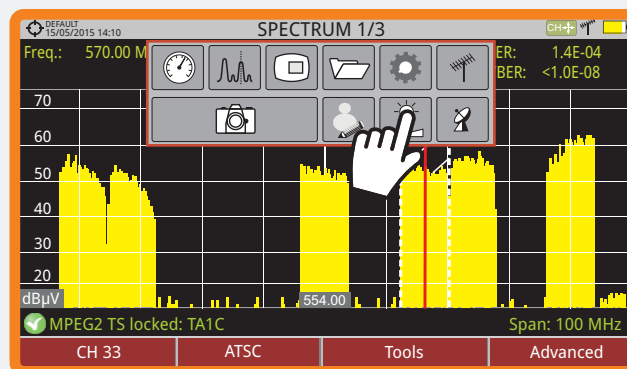
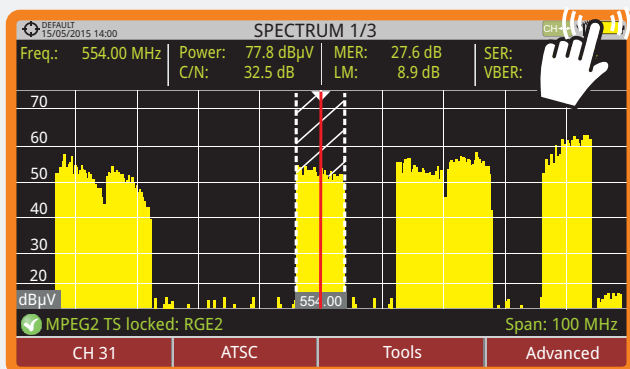
FREQUENCY SELECTION



VIRTUAL KEYBOARD WRITING



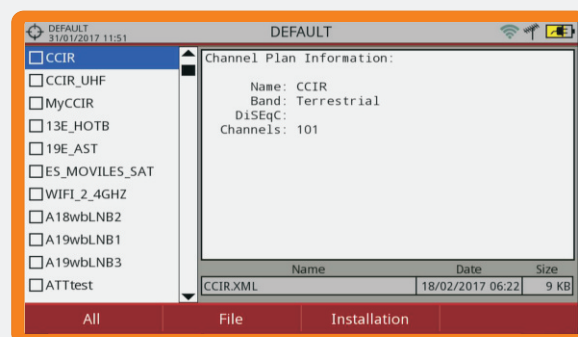
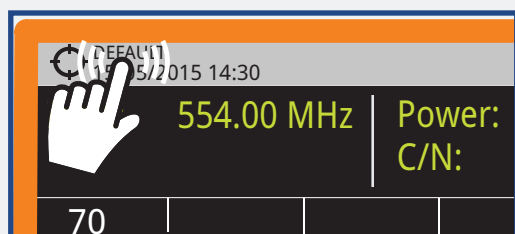
TOOLBAR



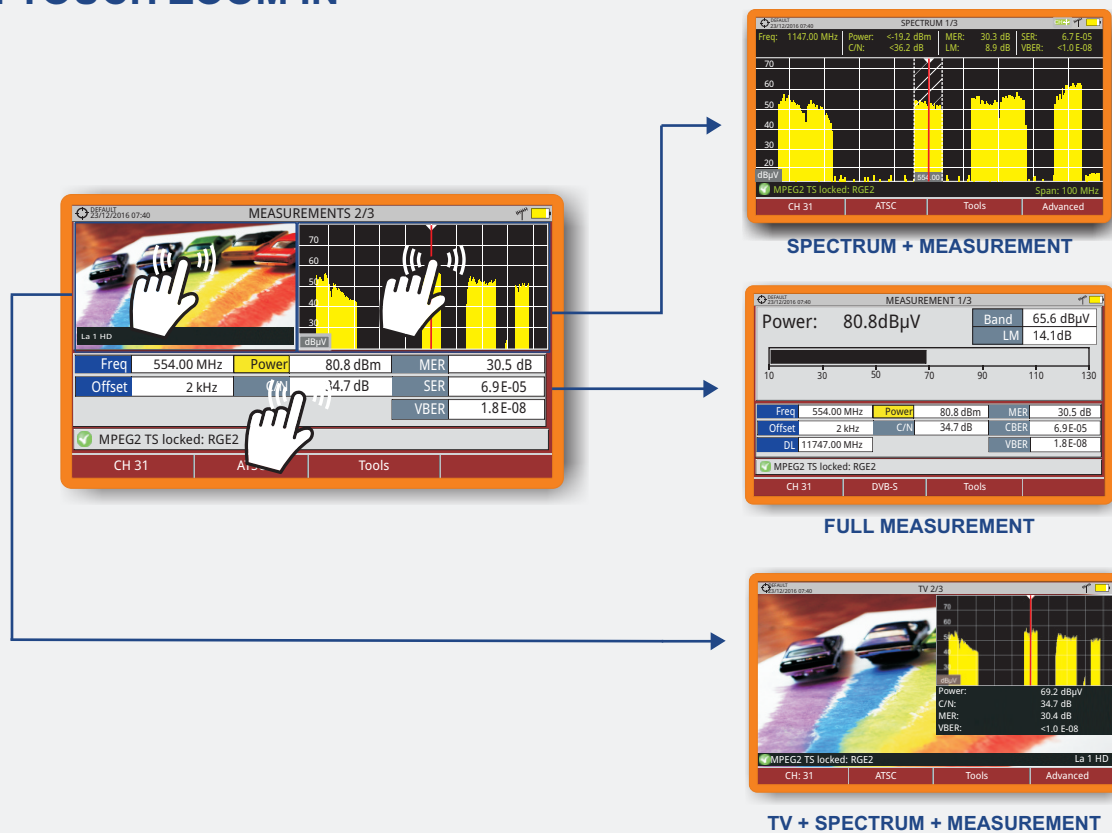
TOOLBAR ICONS

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

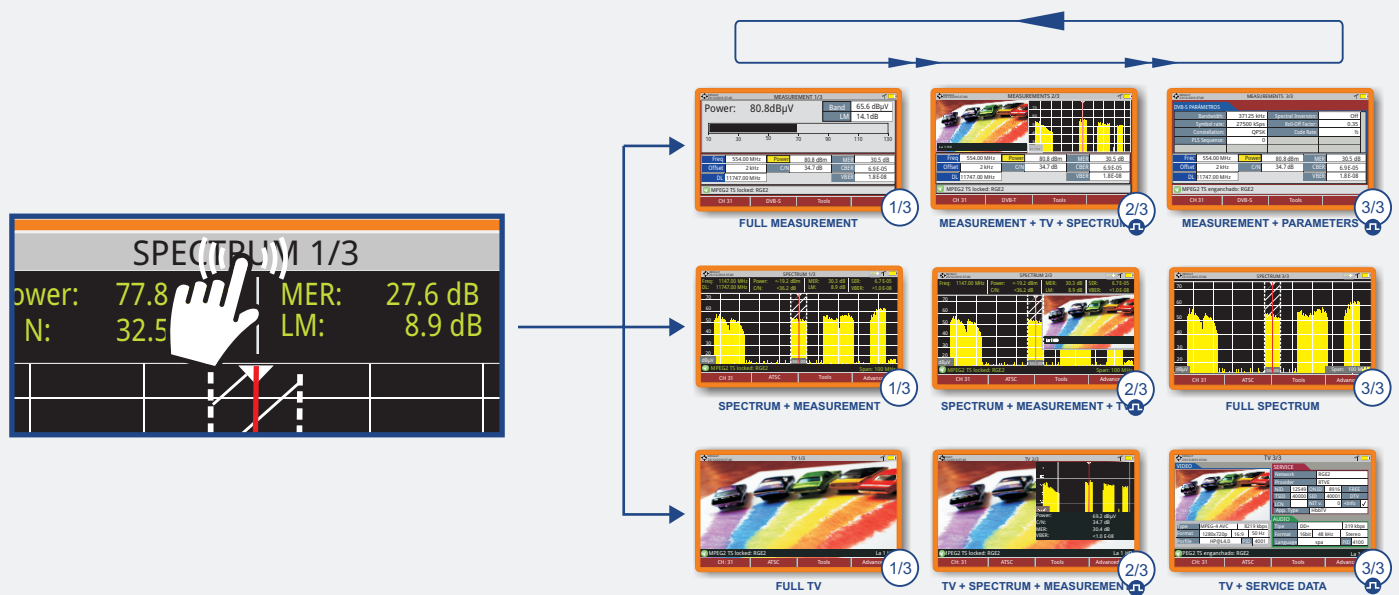
INSTALLATIONS MANAGEMENT



► ONE-TOUCH ZOOM IN

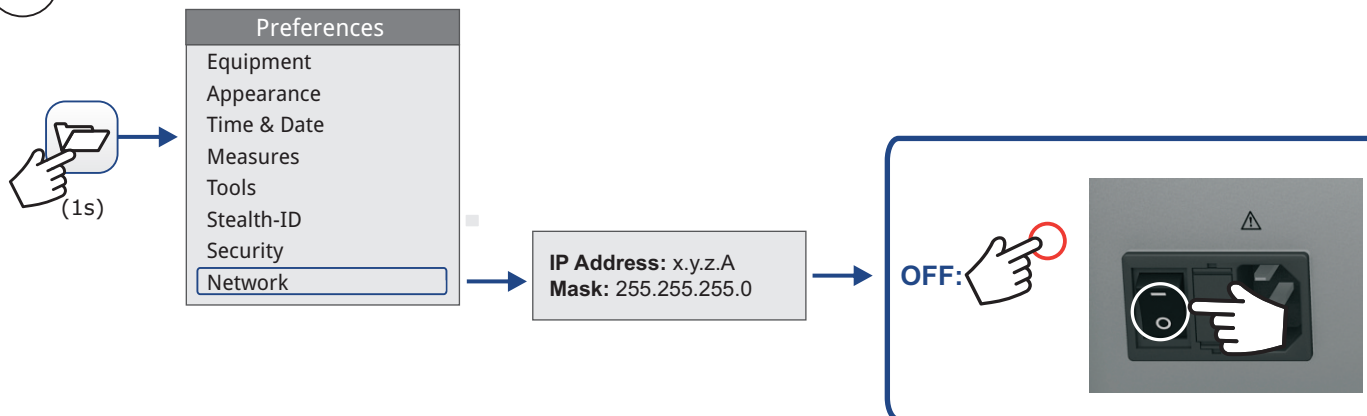


► MODE SCREENS

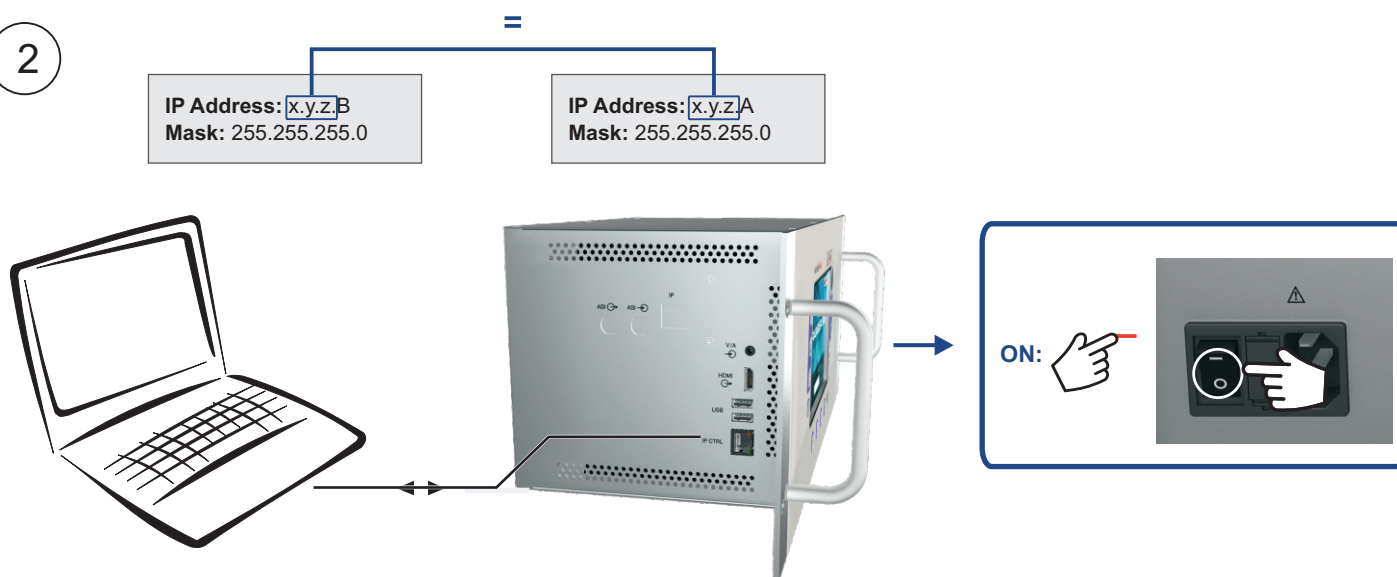


► RANGER NEO ↔ PC

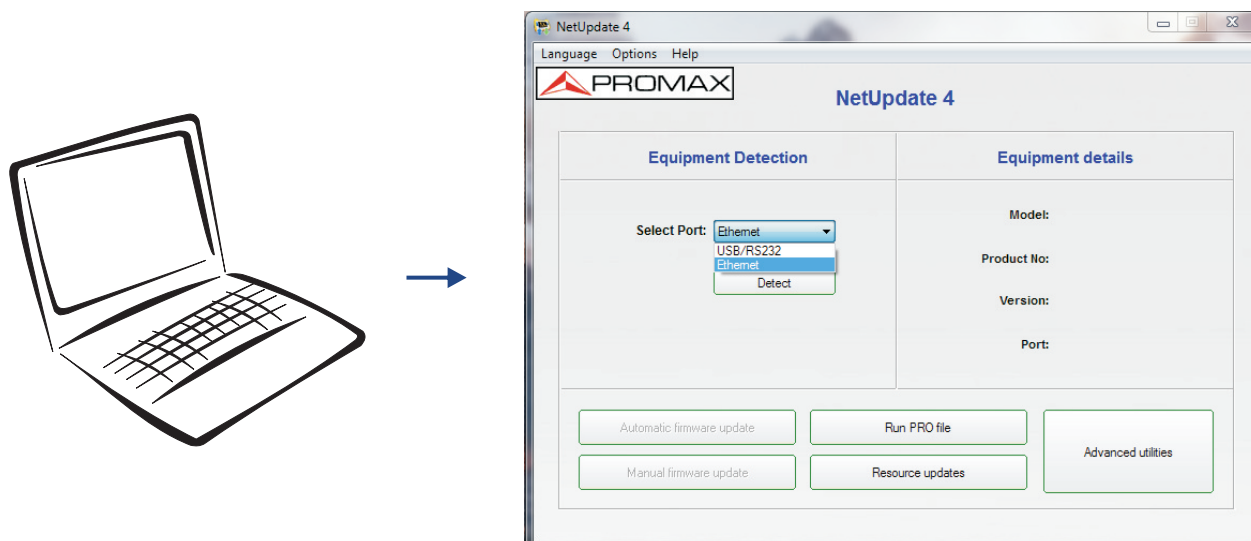
1



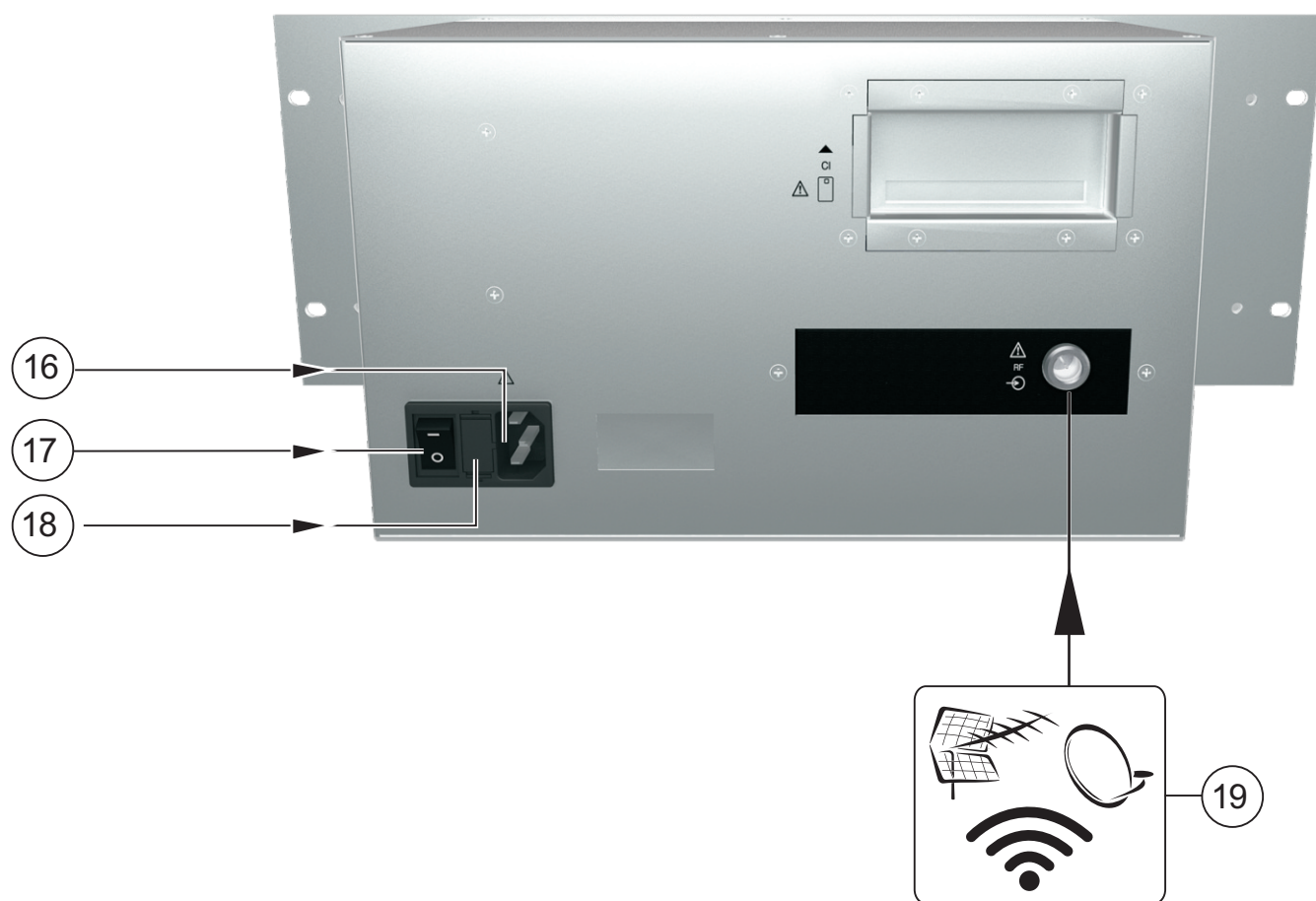
2



3



TOP VIEW



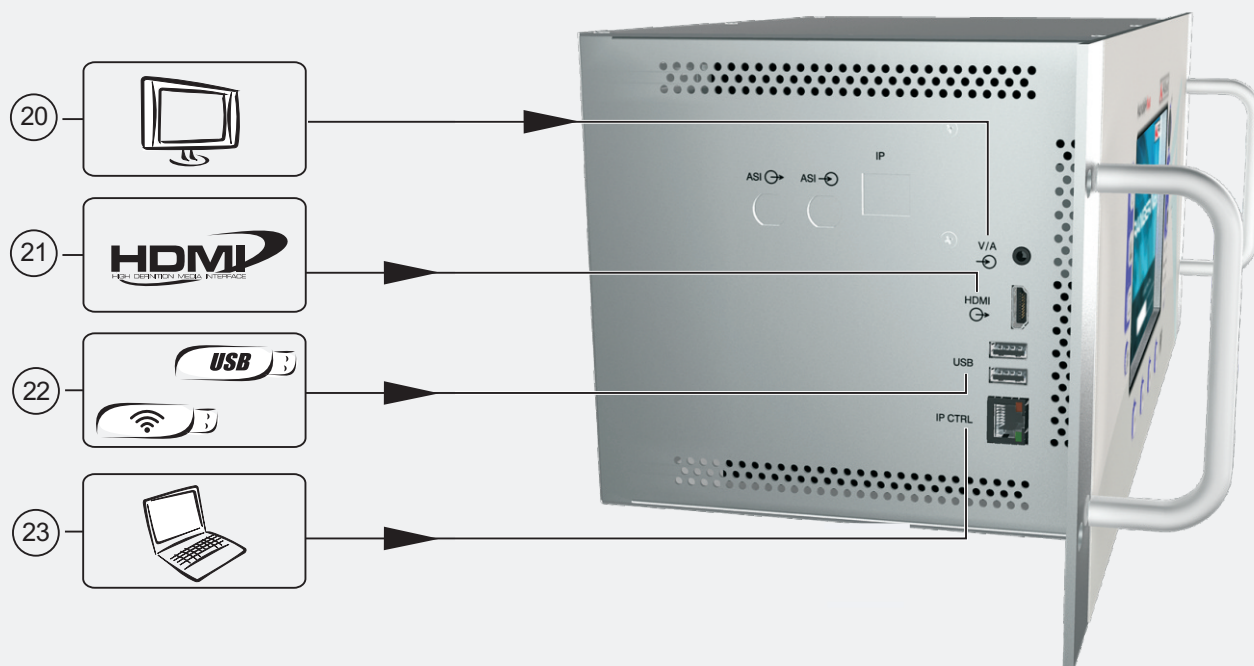
16 Power input connector

17 ON / OF slide switch

18 Fuse holder

19 RF input connector

SIDE VIEW



(20) **Video/Audio** input

(22) **USB** connectors

(21) **HDMI** output

(23) **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).

