

## FRONT VIEW



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 <b>Reset (press and hold 5s)</b> |
| ④ TV key  | ⑨ External Audio/Video Input indicator | ⑭ Softkeys                         |
| ⑤ Export (press >1s)<br>/ 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

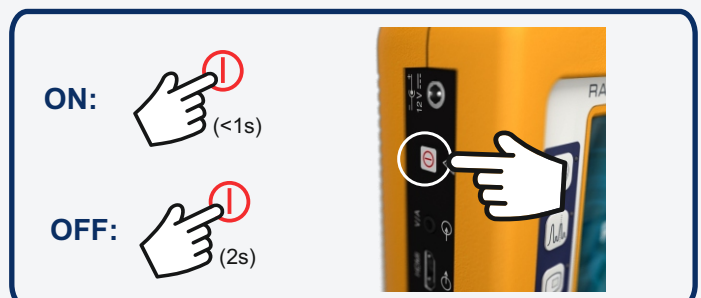
- DIGITAL TV service**    **High Definition TV service**
- Digital radio**    **Data**    **Scrambled service**

### DIALOG BOXES

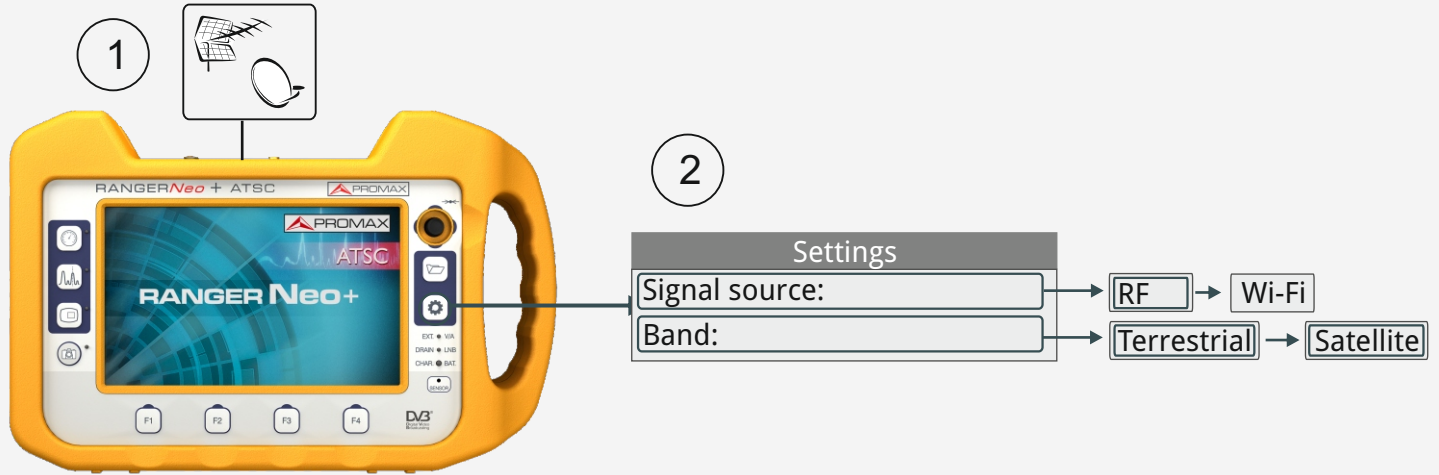
- Error message**                      **OK message**
- Question message**                      **Warning message**

### VIDEO & AUDIO SETTINGS MENU

- TFT backlight brightness
- Volume

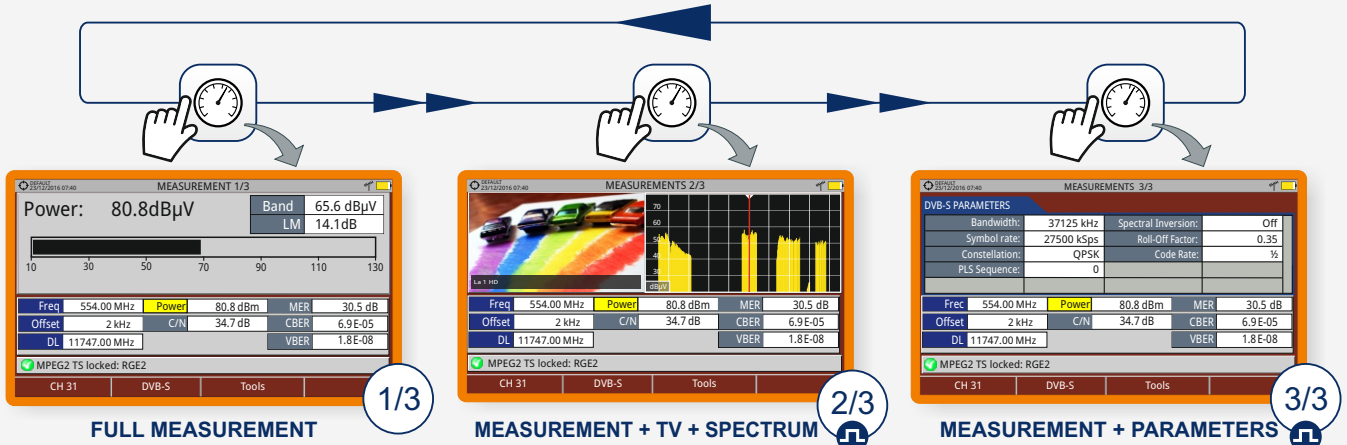


## RF ► SETTINGS

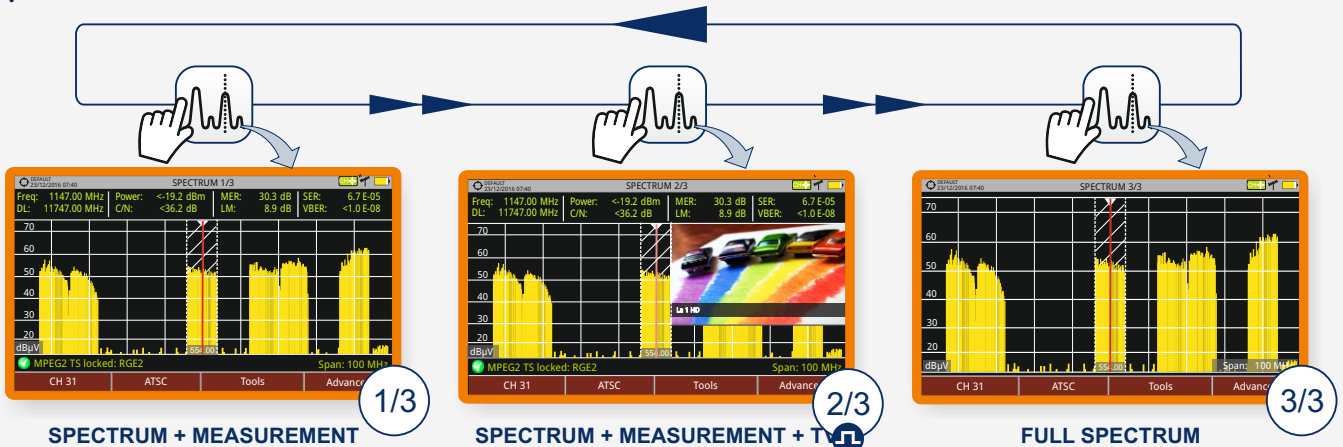


## RF ► SCREENS

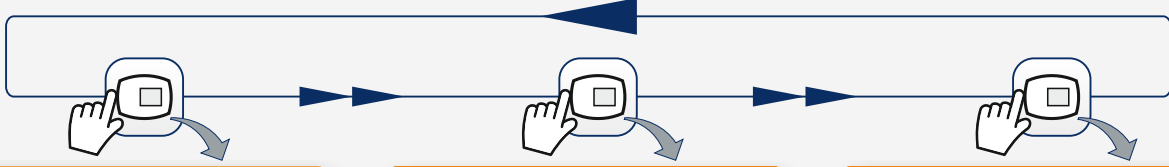
### ► MEASUREMENT



### ► SPECTRUM ANALYSER

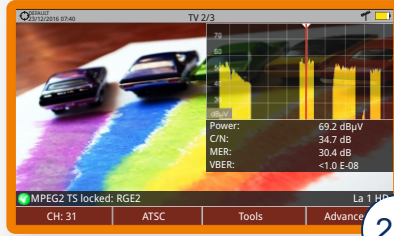


## TV MODE



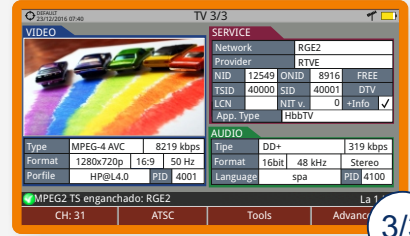
FULL TV

1/3



TV + SPECTRUM + MEASUREMENTS

2/3



TV + SERVICE DATA

3/3

## RF MENUS



**Tuning**

- Channel:
- Channel Plan → Channel Plan 1 → Channel Plan 2
- Tune by: → Channel → Frequency
- View all services...



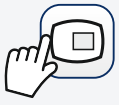
**Tuning**

- Frequency:
- Channel Plan: → Channel plan 1 → Channel Plan 2
- Tune By: → Channel → Frequency
- Center Freq: ○
- Ref. Level: ○
- Span: ○
- Center tuned frequency
- View all services...



**Signal Parameters**

- Signal Type:
- View Advanced Parameters
- Stealth-ID → On → Off



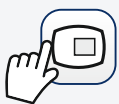
### Tools

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



### Advanced

- Average:
- Spectrum Line:  Outline  Solid  Transparency
- Tone Level:  Off  On
- Marker:  Normal
- Marker Trace:  Off  Permanent  Curtain
- Max.Hold:  Off  Permanent  Curtain
- Min.Hold:  Off  On
- Persistence:  PEAK  RMS
- Detector Type:
- Resolution Bandwidth:  100 kHz  200 kHz  1000 kHz
- Vertical Range:  10 dB/div  5 dB/div  2 dB/div  1 dB/div
- Dashed BW:  Off  On
- Reference:  Set  Clear



### Advanced

- Audio:
- Discovered URLs:
- TS Data:
- Aspect Ratio  4:3  16:9

## WIFI ► SETTINGS



## WIFI ► SCREENS

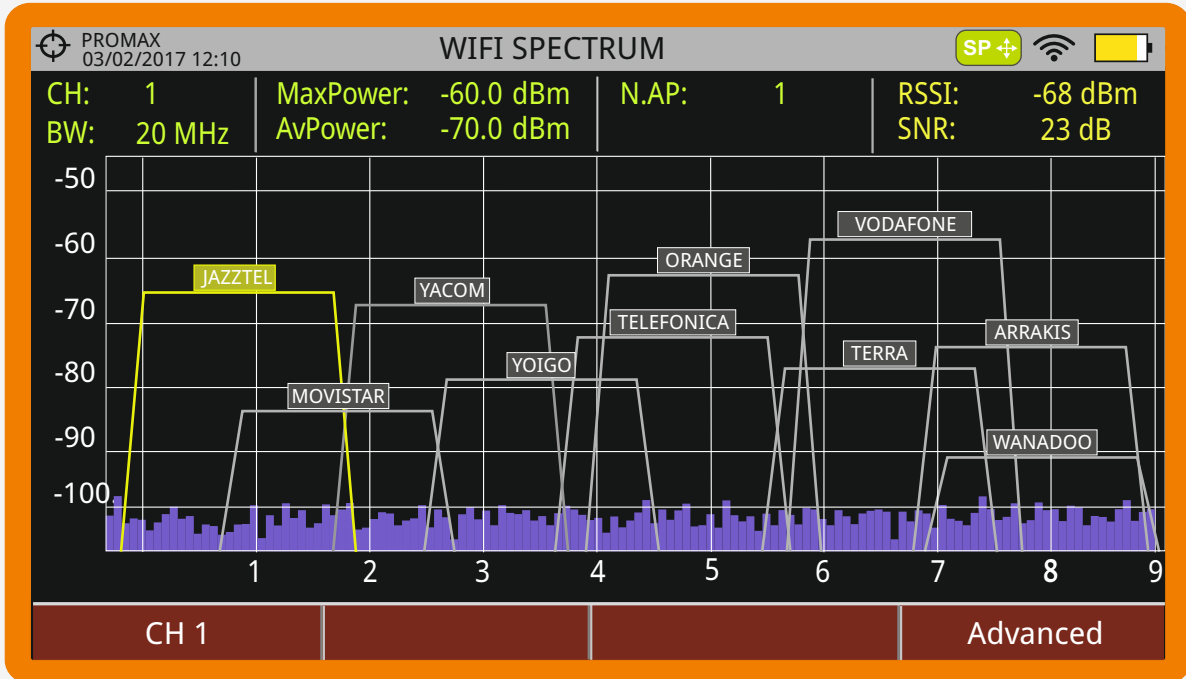
### ► SITE SURVEY

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			

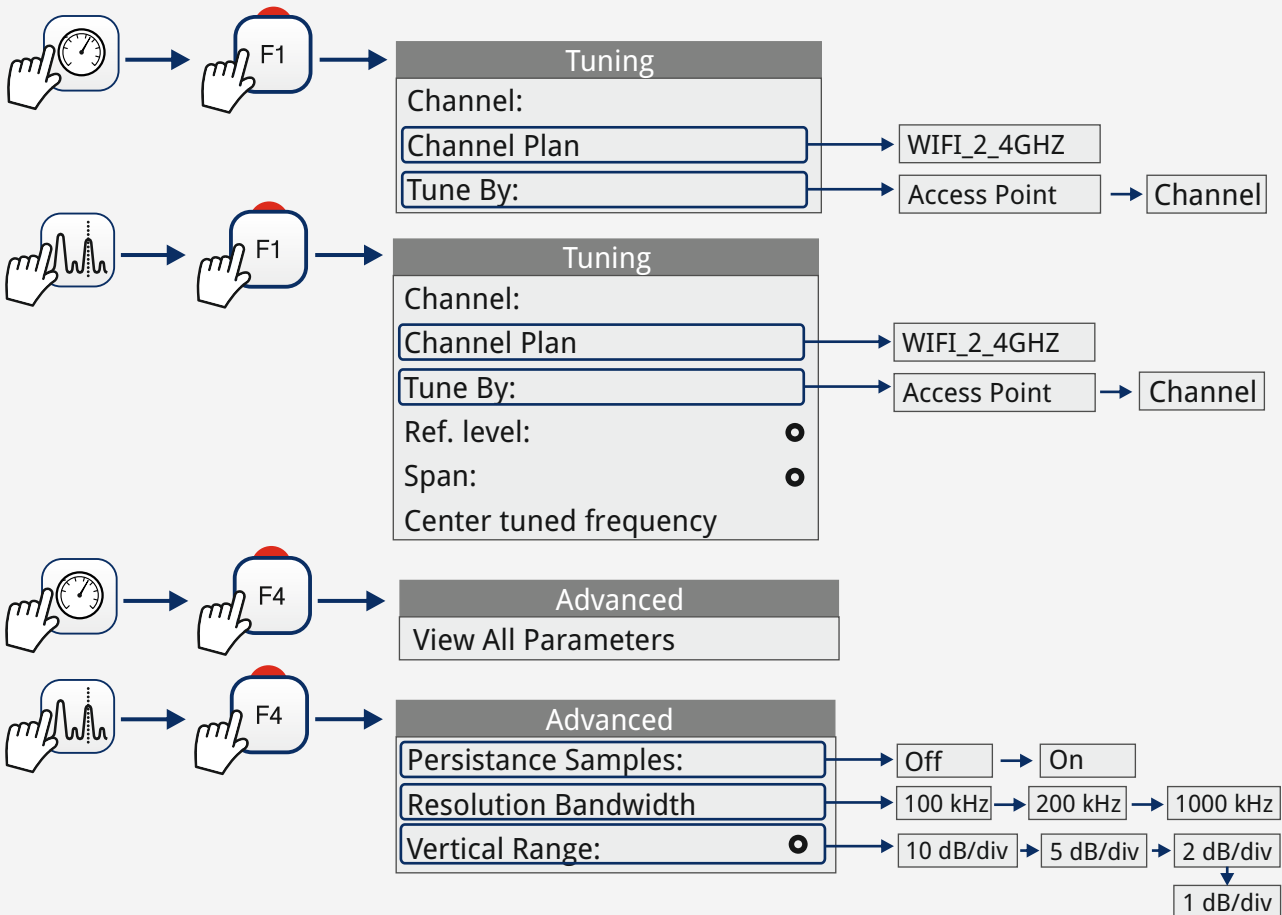
CH 1 | Advanced



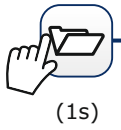
## WIFI SPECTRUM



## 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:

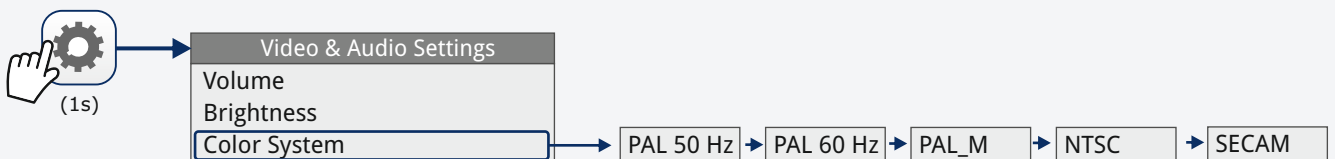
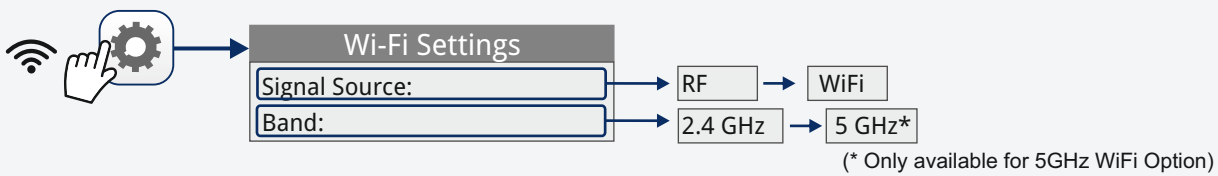
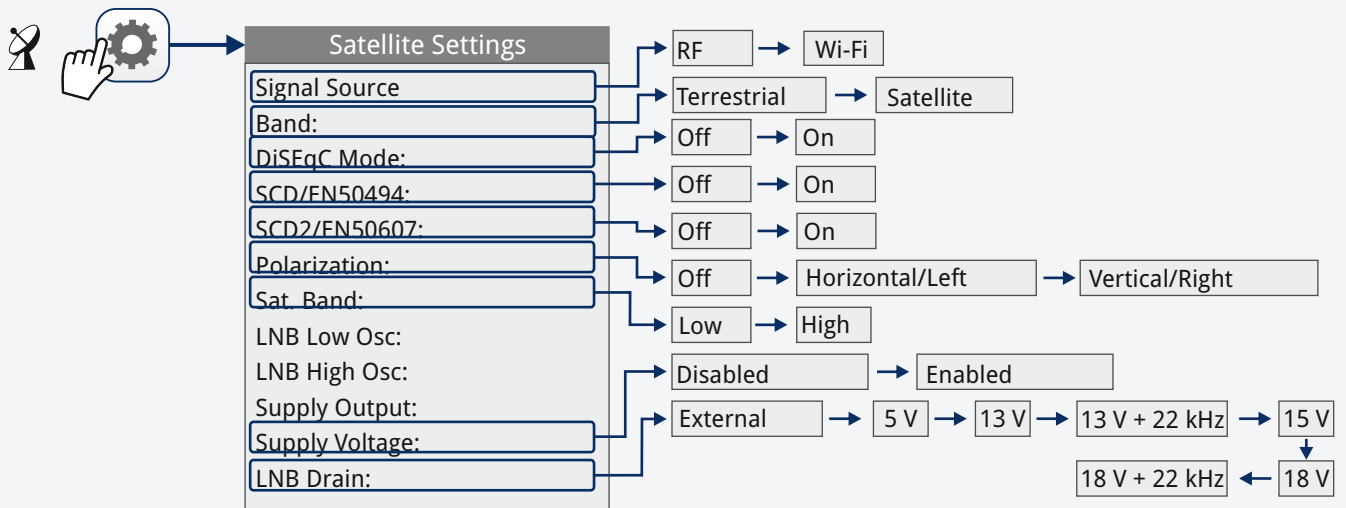
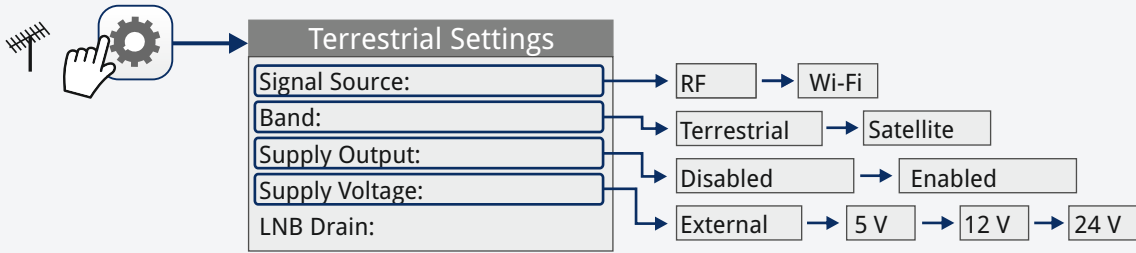
Datalogger PSI:    Export button:    LTE Filter F.Max:  
 Database services:    LTE Filter F.Min:    Center Freq:

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

PIN Code 1234

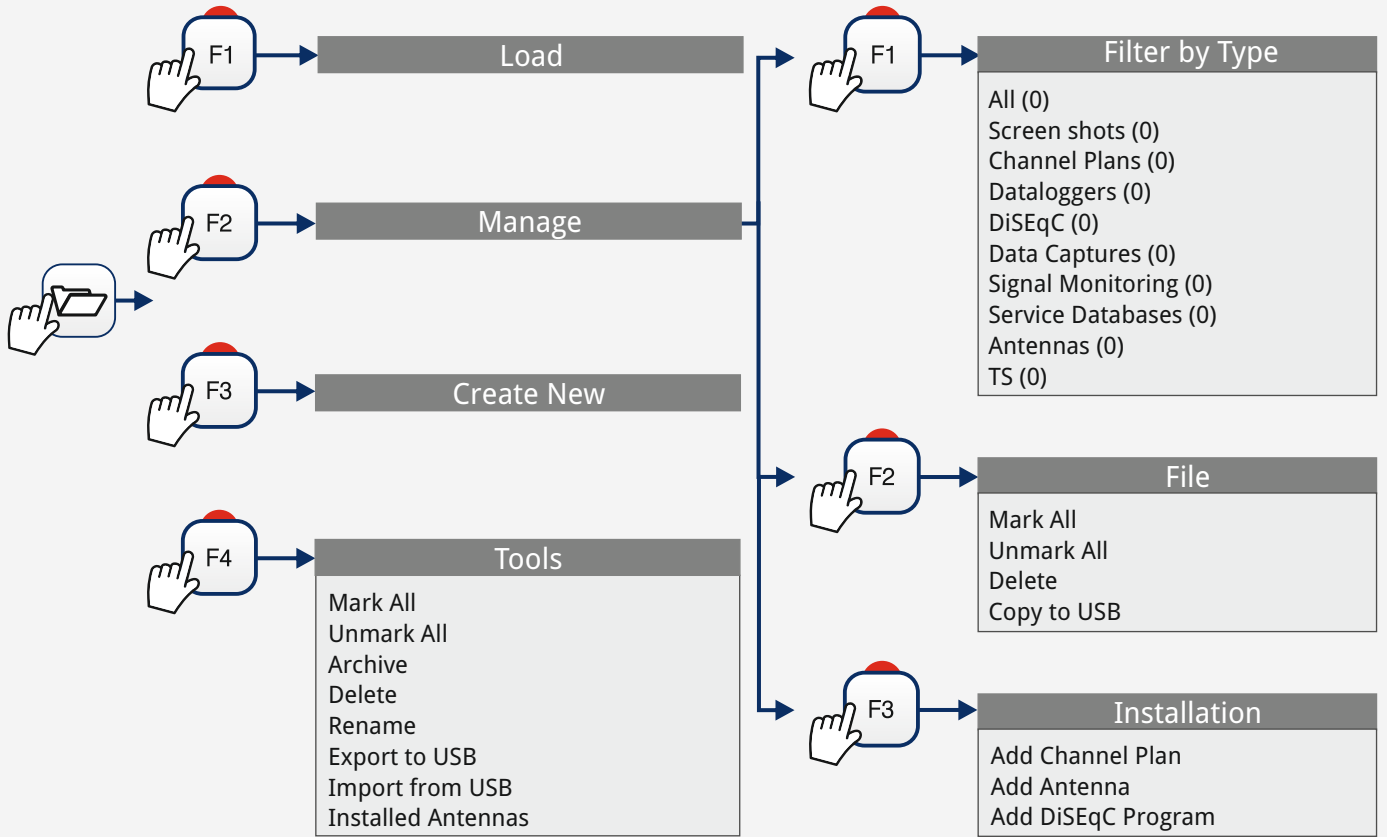
MAC:    DHCP:    IP Address:    Mask:    Gateway:

## SETTINGS MENU

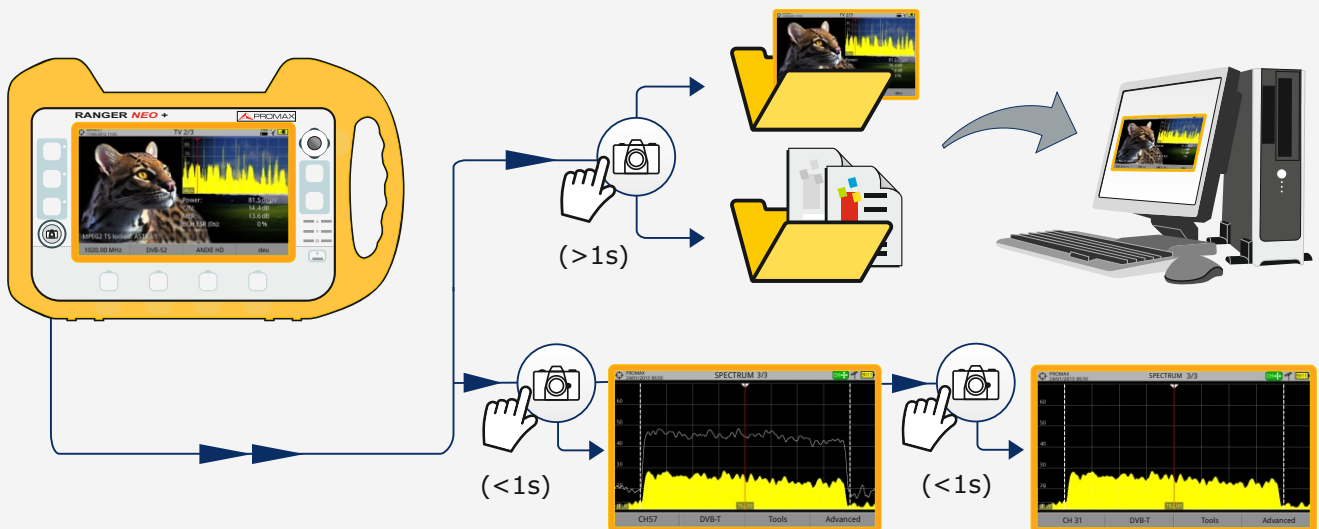




## INSTALLATION MANAGEMENT



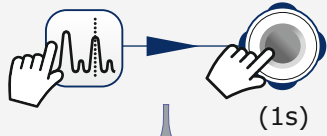
## EXPORT\* IMAGE / DATA / SPECTRUM



\* Export settings in Preferences

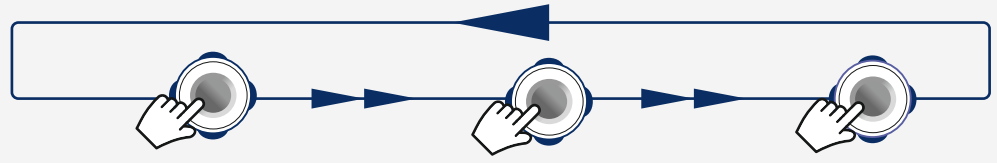


## ▶ JOYSTICK



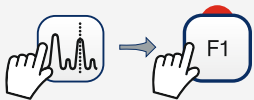
Joystick configuration

RefLevel+	RefLevel+
CH - ◀ CH +	Span - ◀ Span +
RefLevel-	RefLevel-



- AP**  
Access Point  
change
- FR**  
Frequency  
tuning
- CH**  
Channel  
tuning
- SP**  
SPAN  
Change
- MK**  
Marker moving  
(Marker ON)

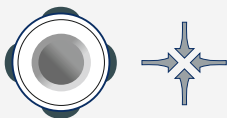
## PARAMETER EDITION



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 ●



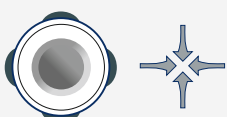
Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.00 MHz ●



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

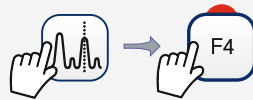


Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.10 MHz ●



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

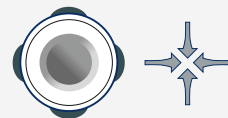
## PARAMETER SELECTION



Advanced	
Average	0 ●
Spectrum Line	Outline ▾



Advanced	
Average	0 ●
Spectrum Line	Outline ▾



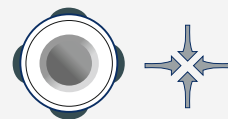
Advanced	
Average	0 ●
Spectrum Line	Outline ▾

- Outline
- Solid
- Trans.



Advanced	
Average	0 ●
Spectrum Line	Outline ▾

- Outline
- Solid
- Trans.

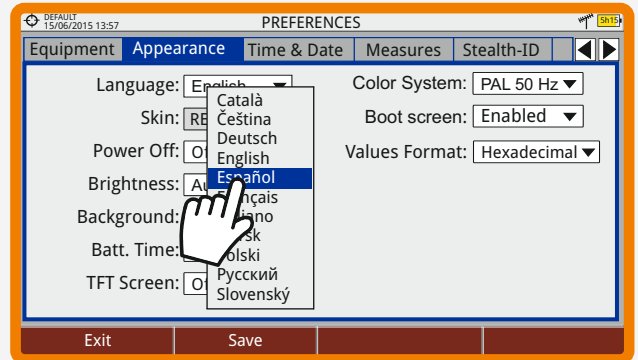
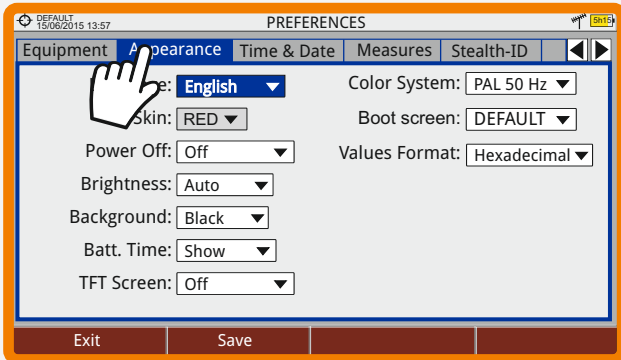


Advanced	
Average	0 ●
Spectrum Line	Solid ▾

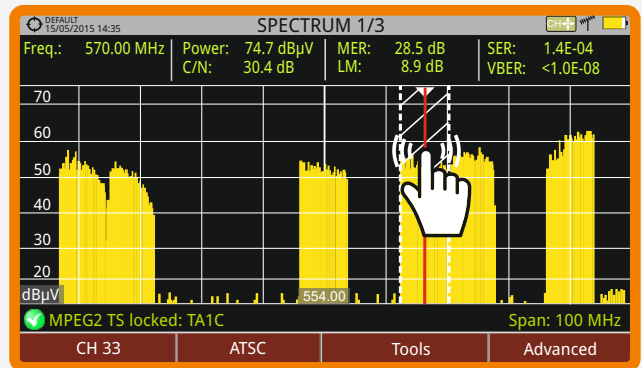
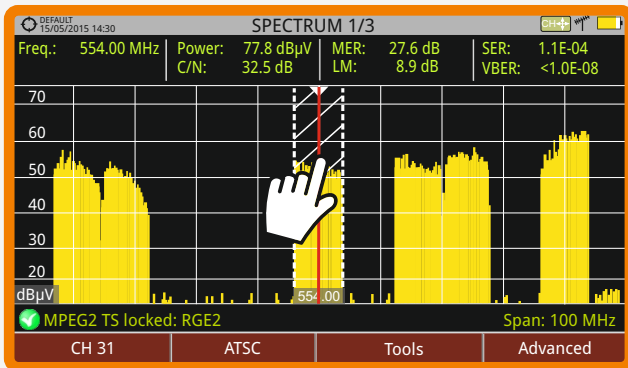


## TOUCH SCREEN

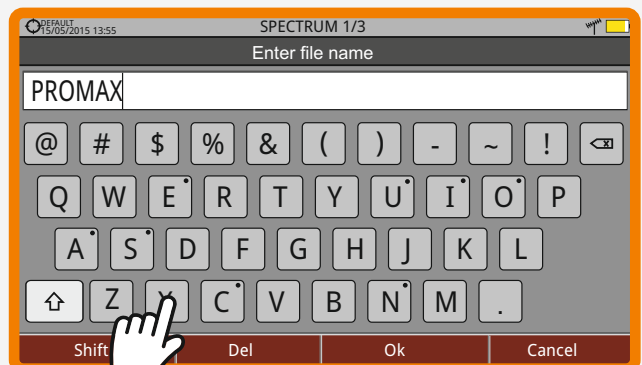
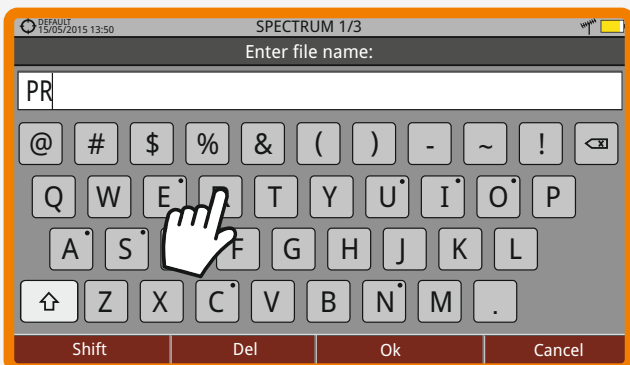
### MENU SELECTION



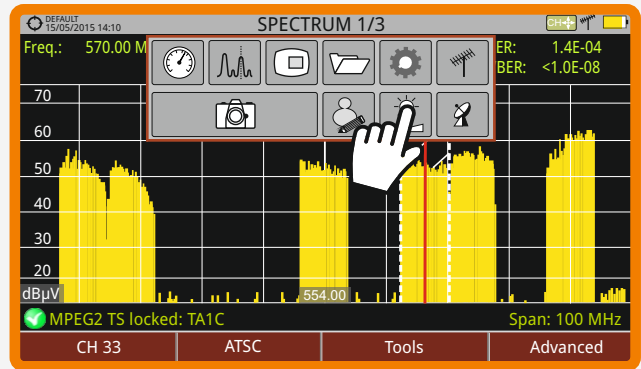
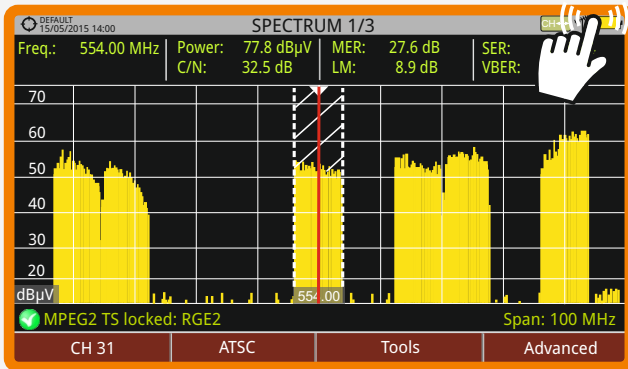
### FREQUENCY SELECTION



### VIRTUAL KEYBOARD WRITING



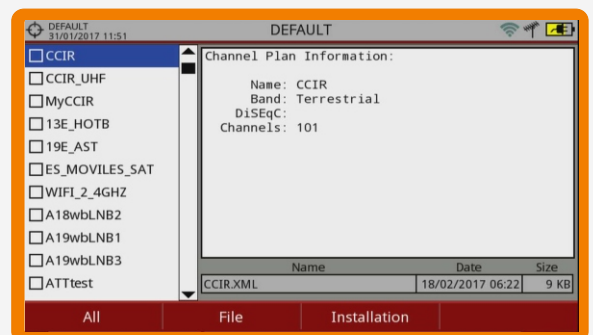
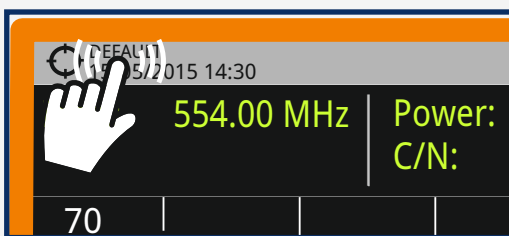
## TOOLBAR



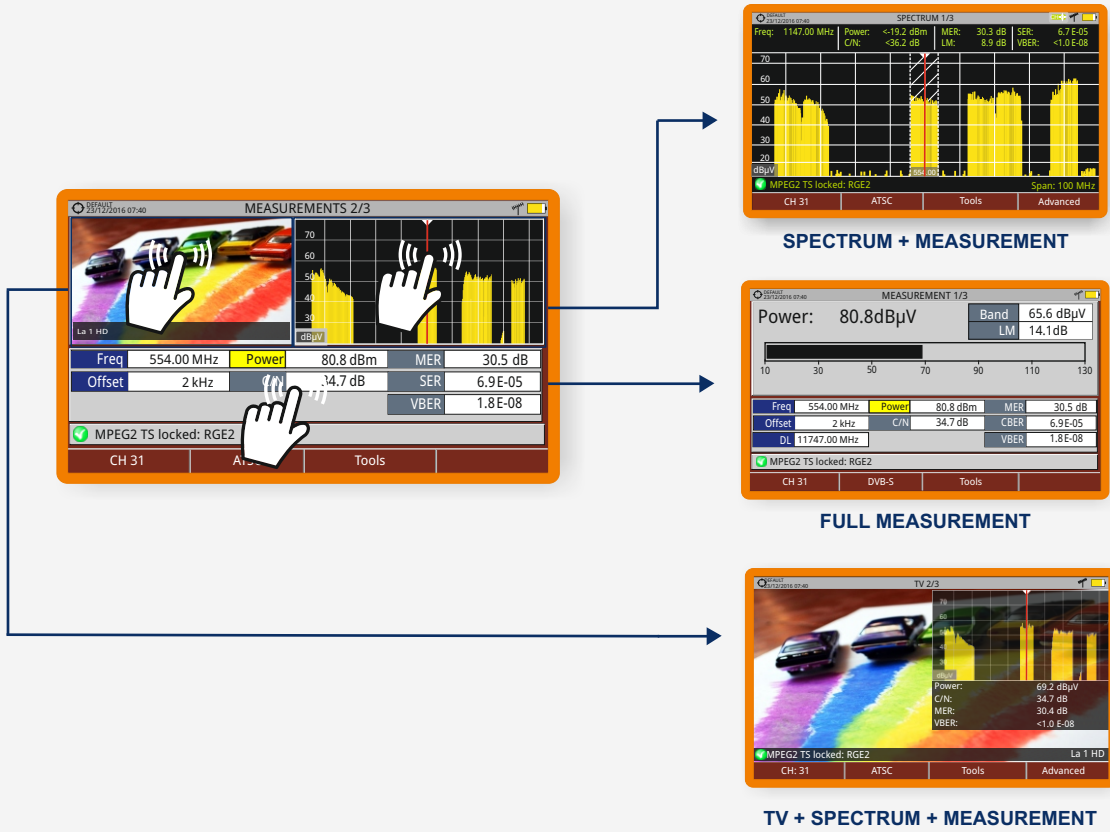
### TOOLBAR ICONS

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

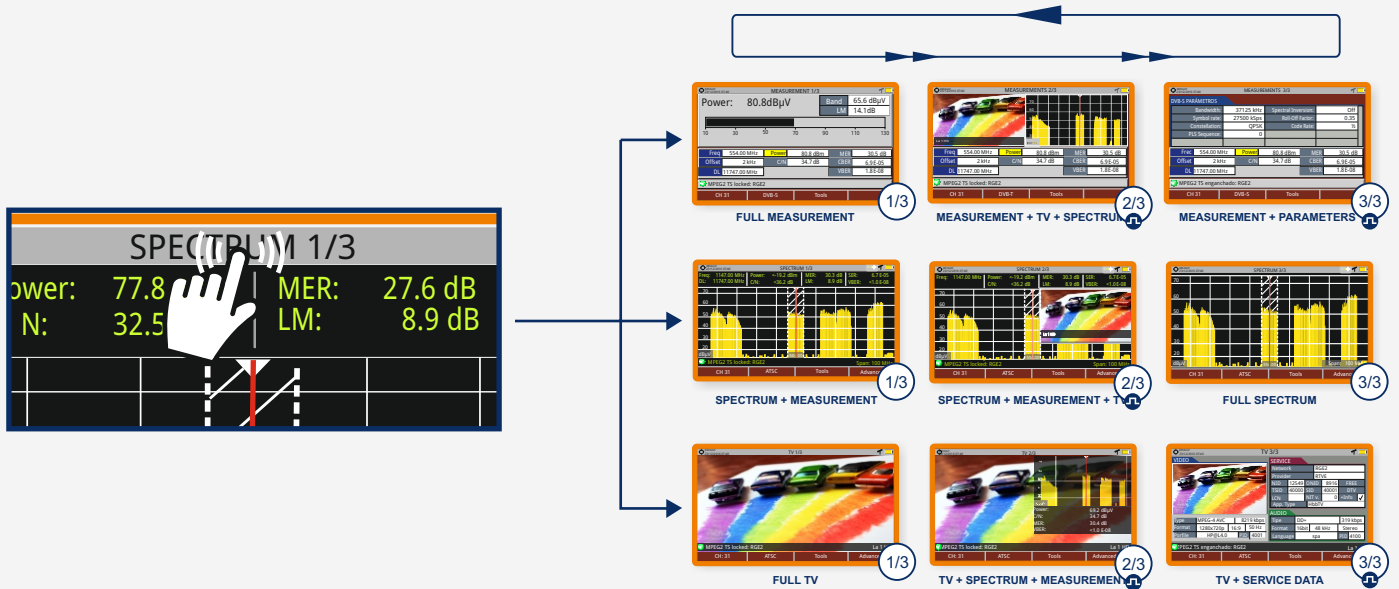
## INSTALLATIONS MANAGEMENT



## ▶ ONE-TOUCH ZOOM IN

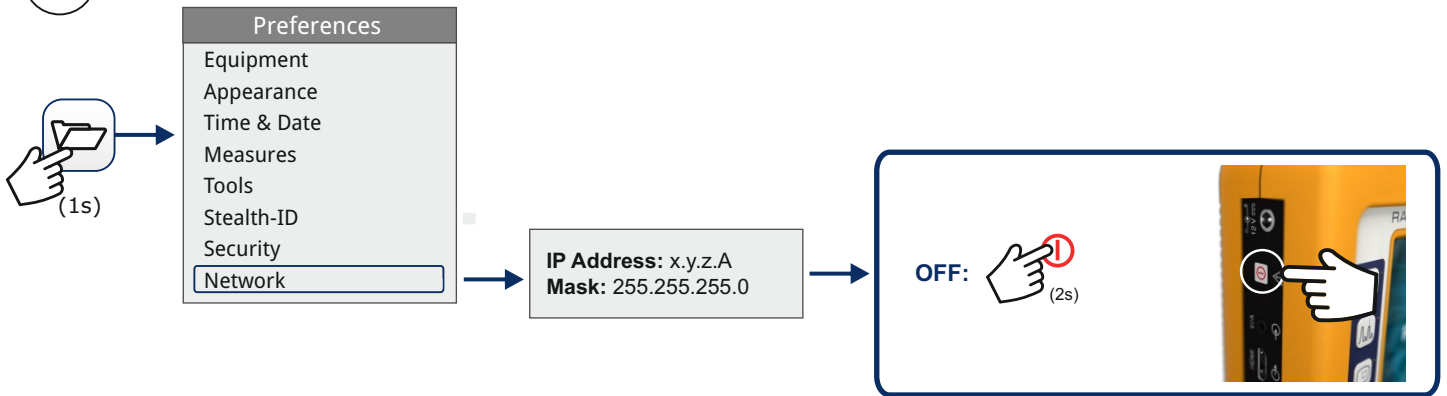


## ▶ MODE SCREENS

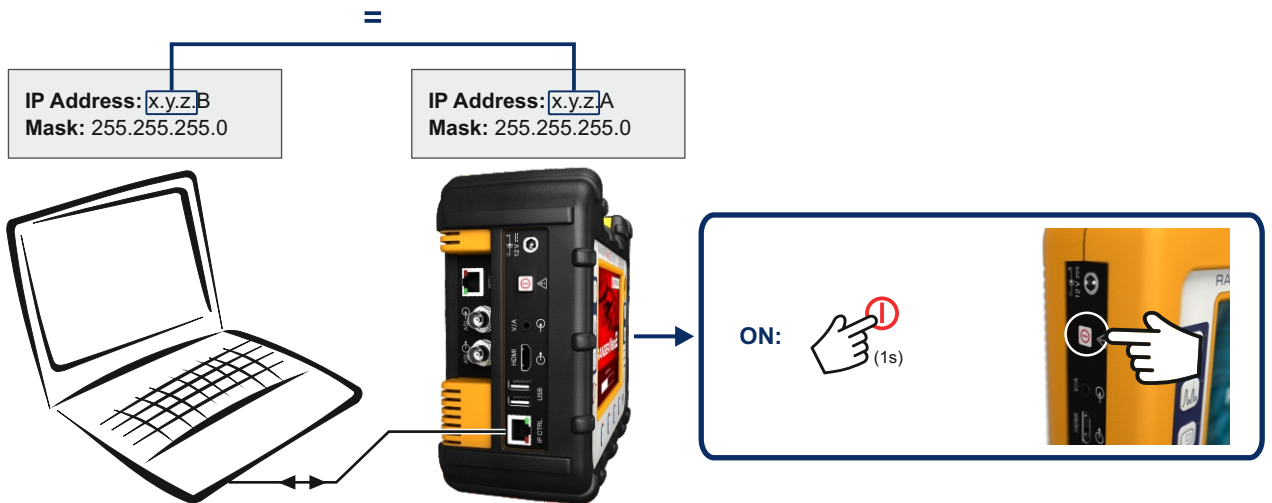


## ▶ RANGER NEO ↔ PC

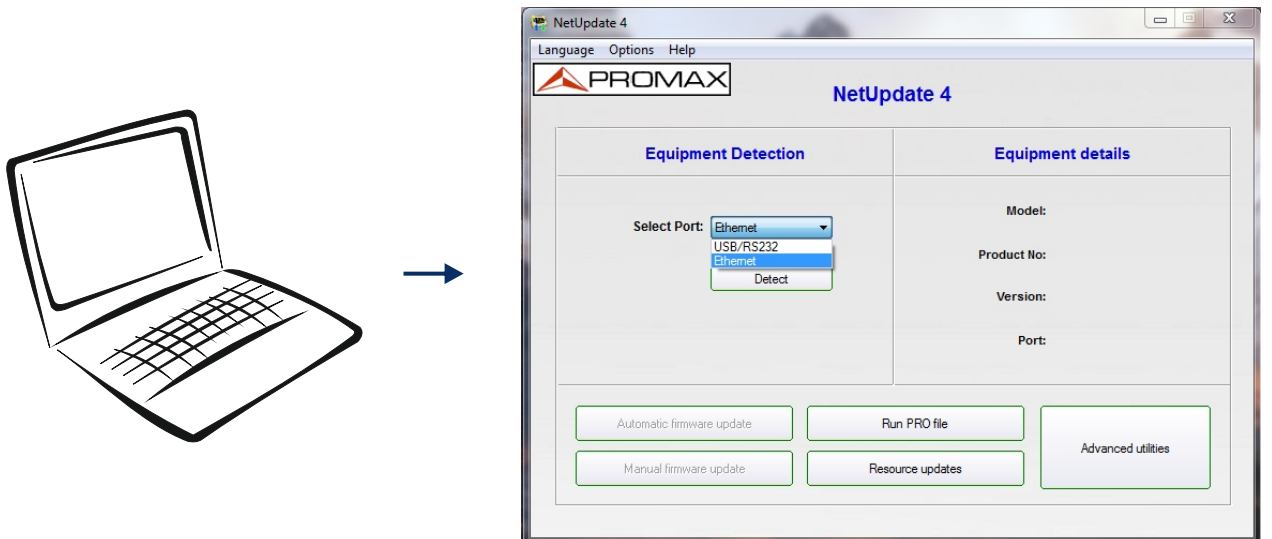
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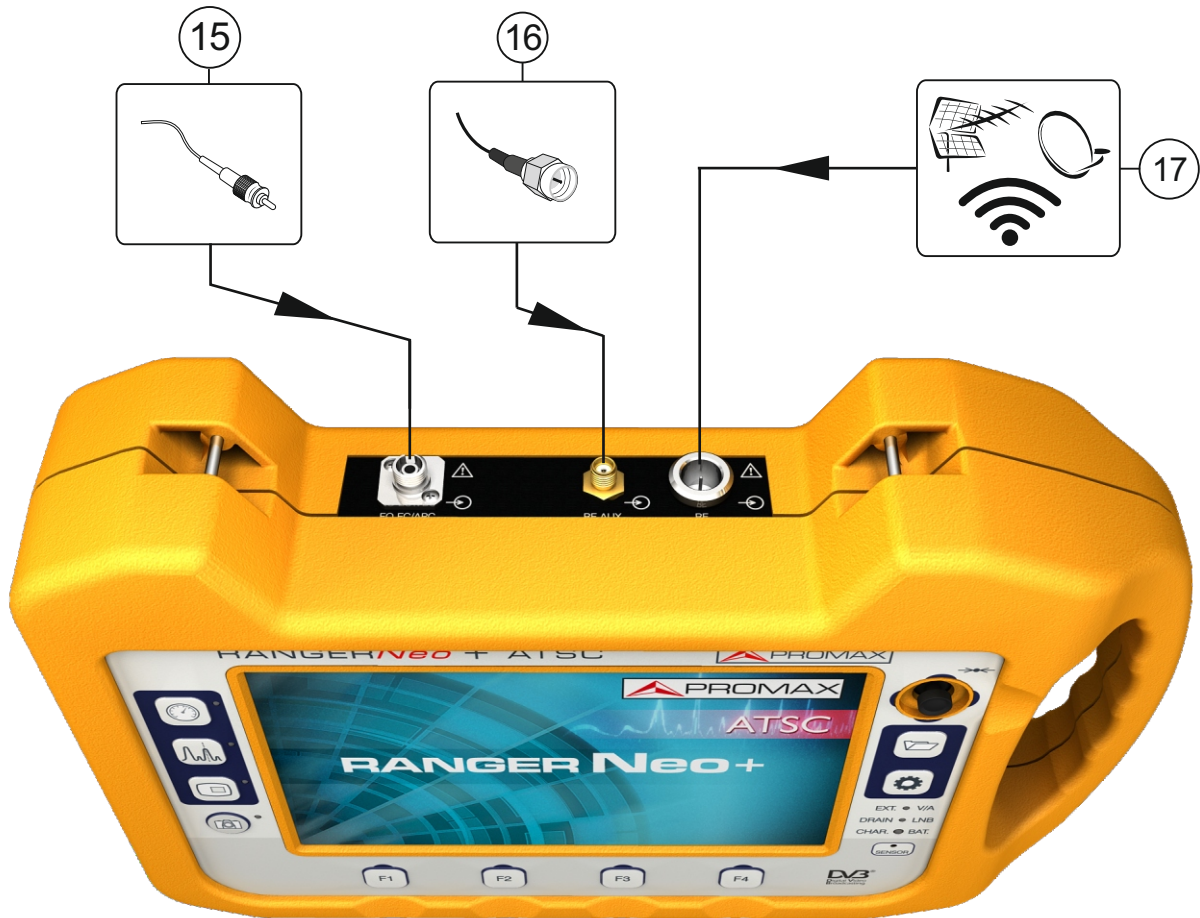
2



3



## TOP VIEW



15 **FC-APC connector** (optical signal input) \*

16 **SMA connector** (RF aux. Input signal)\*

17 **RF input conector**

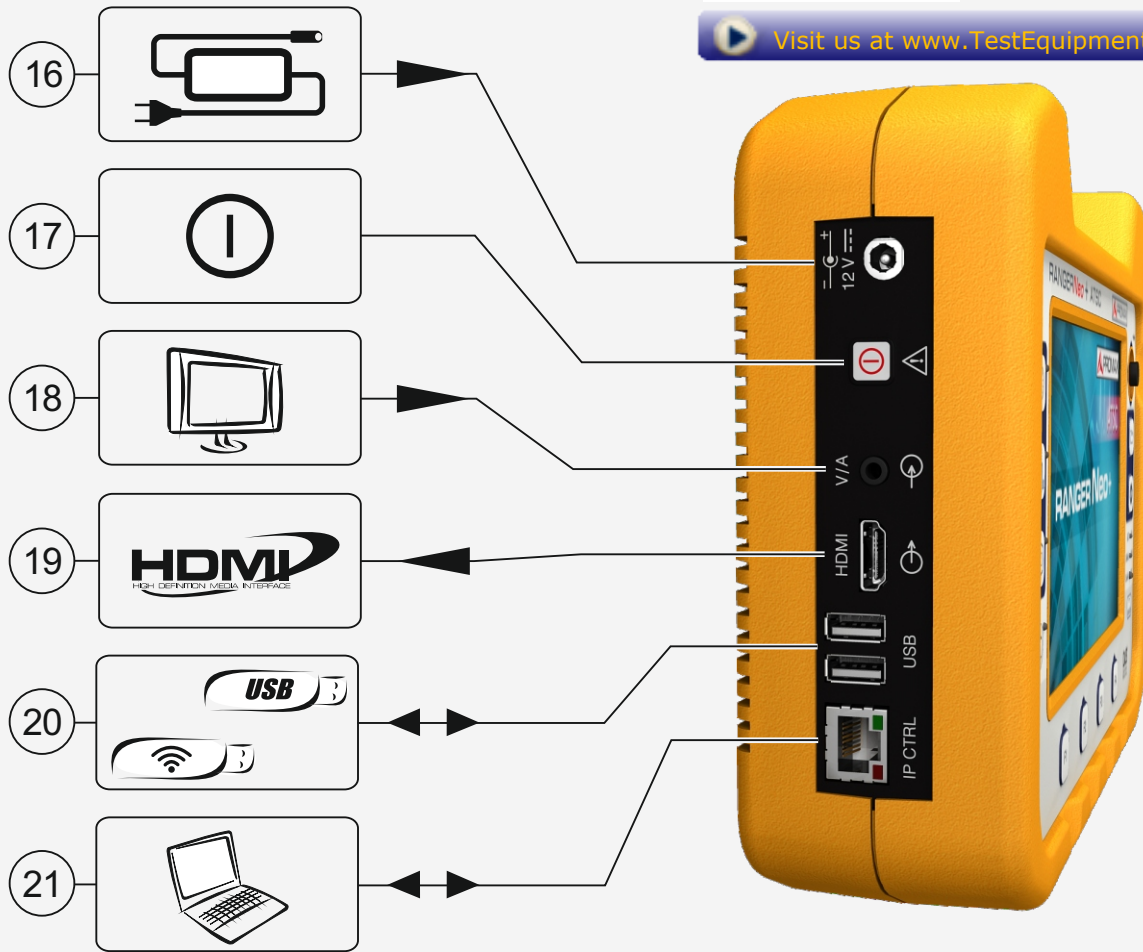
\* **Optical Option.** Refer annex on the User's manual.

**Test Equipment Depot**  
1-800-517-8431

99 Washington Street  
Melrose, MA 02176  
Phone 781-665-1400  
Toll Free 1-800-517-8431

Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)

## 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).