

FRONT VIEW



Trademark of the DVB - Digital Video Broadcasting Project

- | | | |
|---|---|-------------------------------------|
| 1 TFT 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 Video/Audio 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

- Task scheduled
- Connected to webControl
- Entrada RF auxiliar 6 GHz***
- OTT Streaming

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

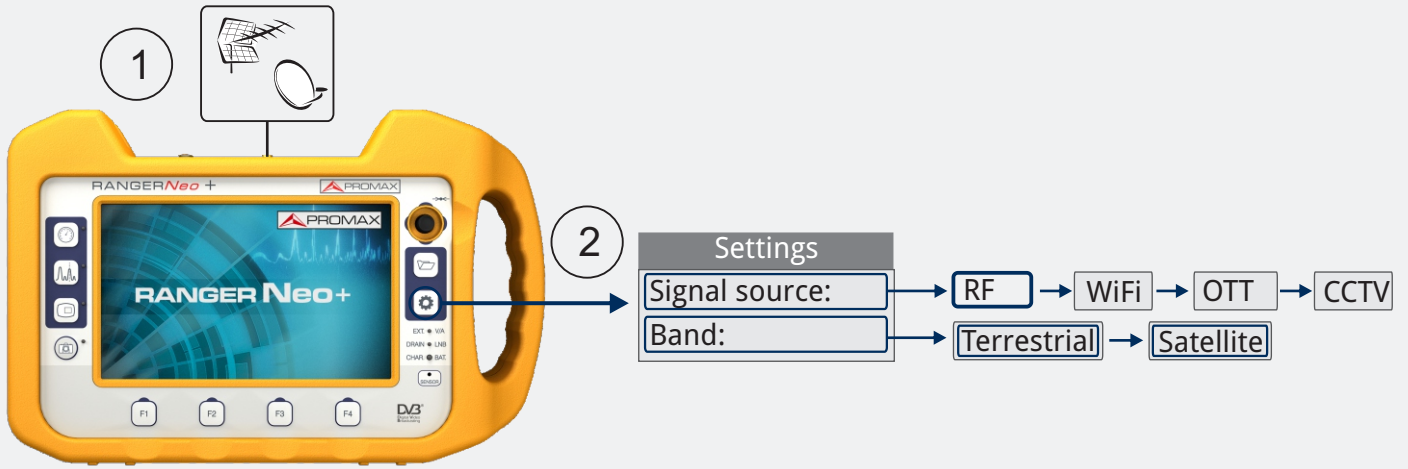
- TFT backlight brightness**
- Volume**

ON: (<1s)

OFF: (2s)

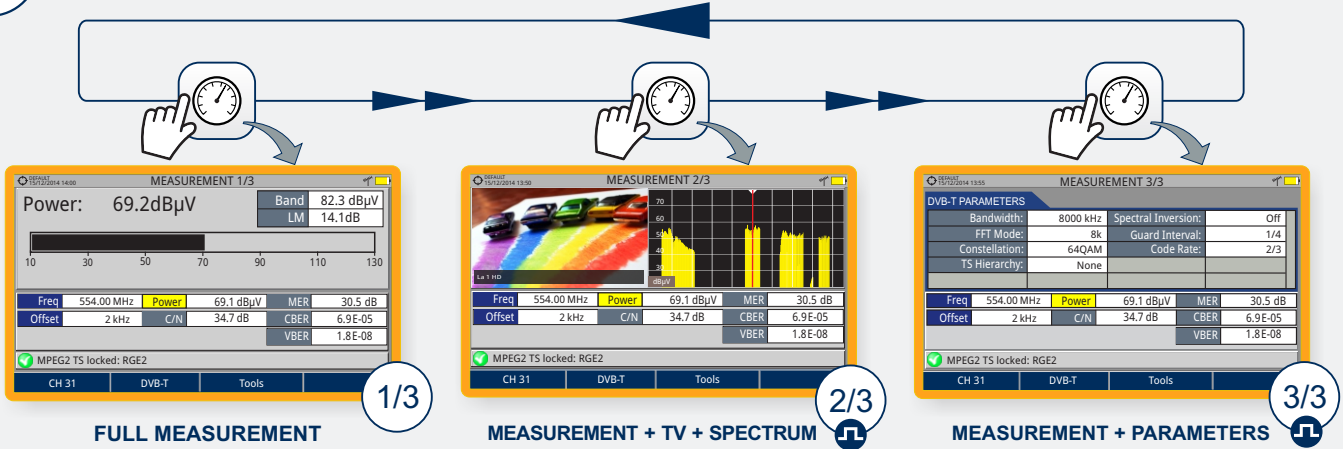


RF ► SETTINGS

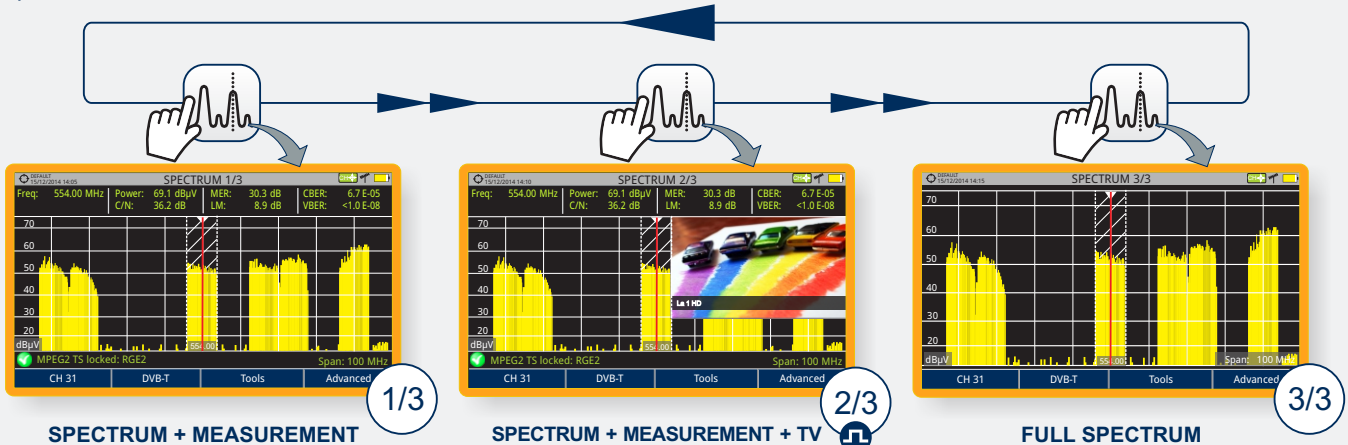


RF ► SCREENS

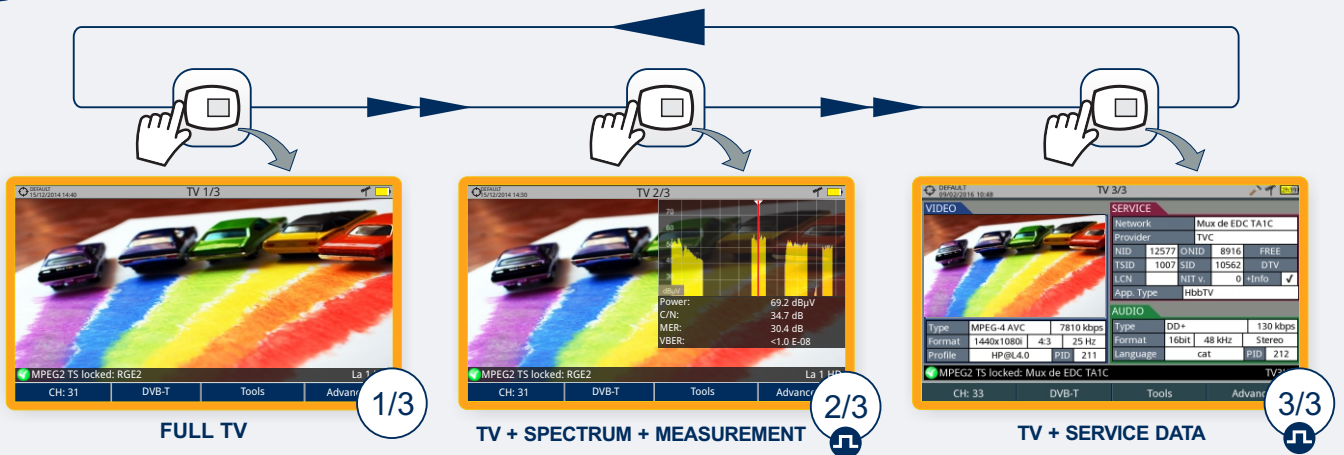
► MEASUREMENT



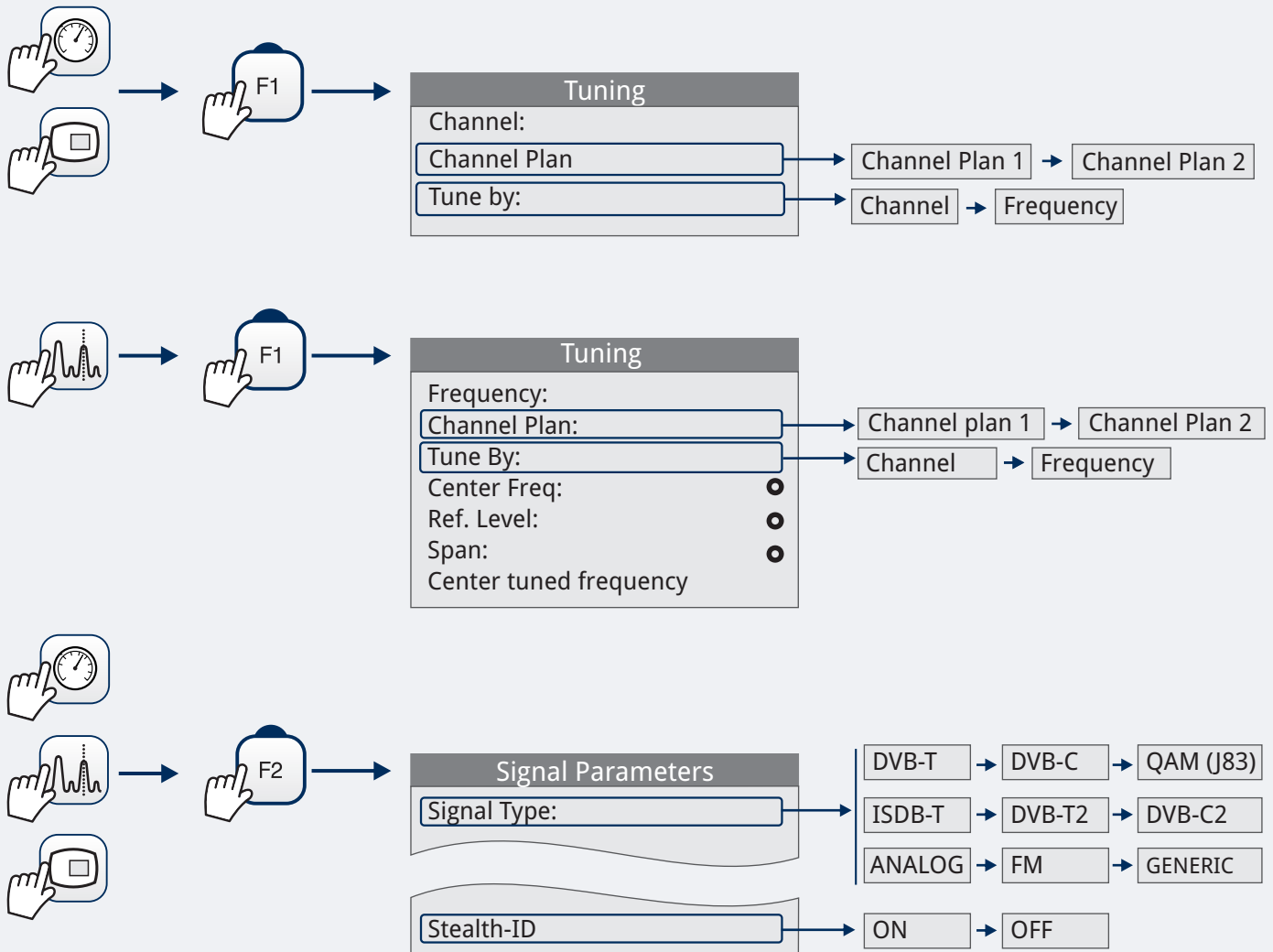
► SPECTRUM ANALYSER



TV MODE



RF MENUS





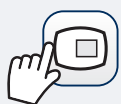
Tools

- Signal Monitoring
- Explore Channel Plan
- Discover FM Stations
- Field Strength: Off On
- Datalogger New... Test & Go
- Service Recording...
- Streaming V/A (📶) (🔊) Start TS Start current service Stop
- Echoes (📶) (🔊)
- Constellation (🔊)
- MER by carrier (📶) (🔊)
- Shoulder Attenuation (📶) (🔊)
- LTE Ingress Test
- Attenuation Test
- Task Planner...
- Merogram (📶) (🔊)
- Spectrogram
- Tilt & Scan Tilt Scan
- Power Off



Advanced

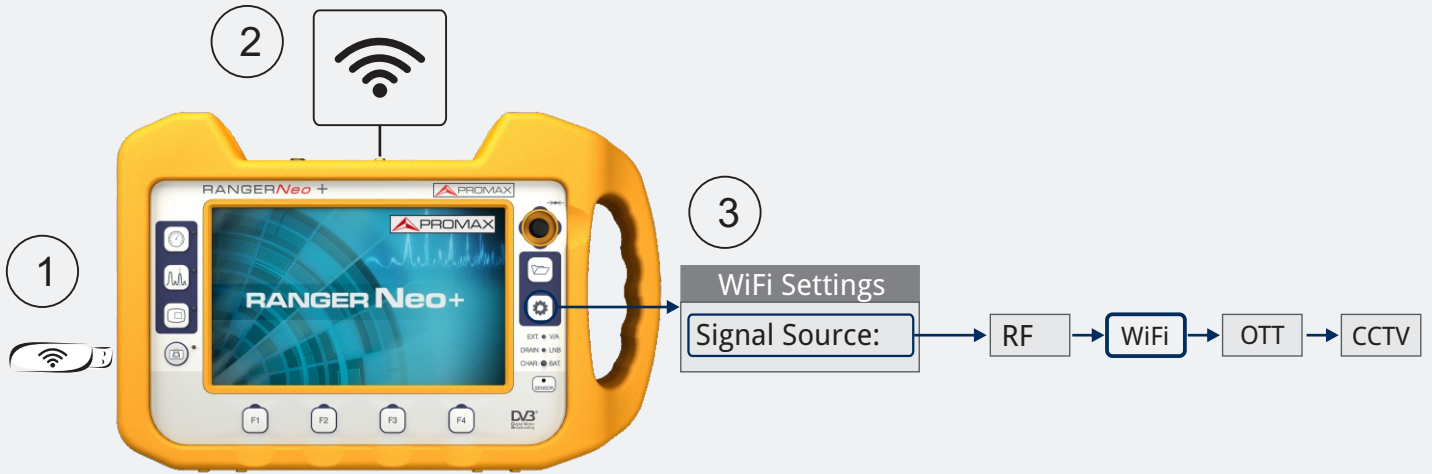
- Average: Outline Solid Transparency
- Spectrum Line: Off On
- Tone Level: Off On
- Marker: Normal
- Marker Trace: Off Permanent Curtain
- Max.Hold: Off Permanent Curtain
- Min.Hold: Off On
- Persistence: Off On
- Detector Type: PEAK RMS
- Resolution Bandwidth: 100 kHz 200kHz 1000 kHz
- Vertical Range: 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: (🔊)

WIFI ► SETTINGS



WIFI ► SCREENS

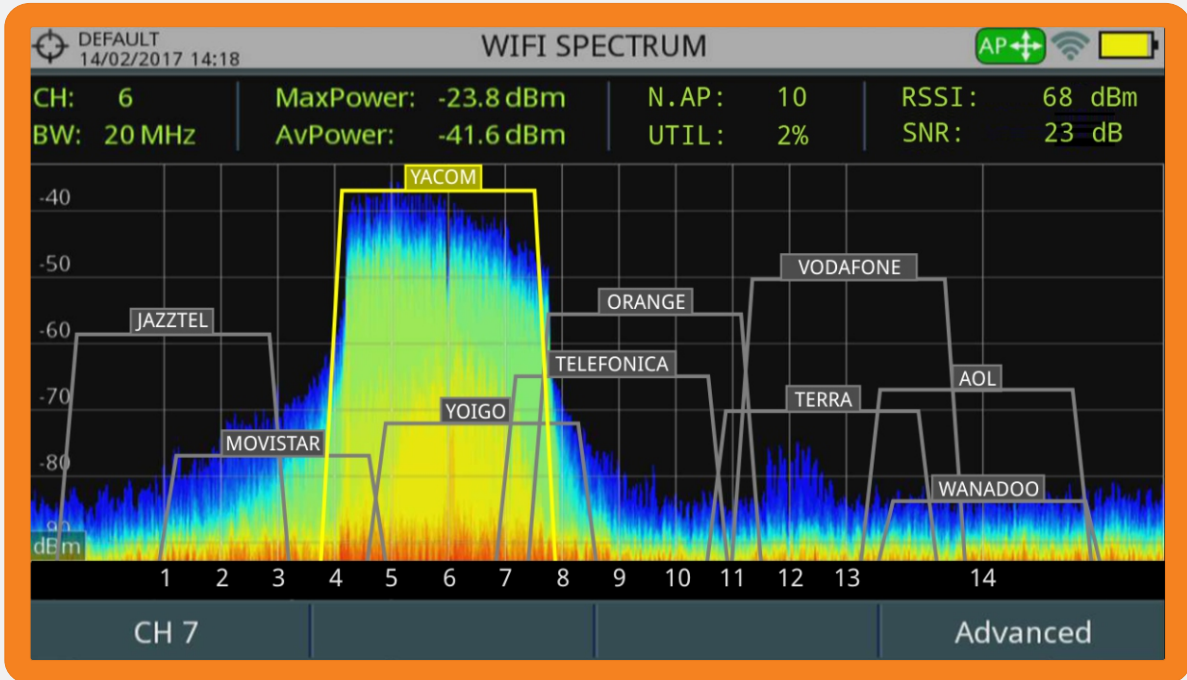
► SITE SURVEY

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			

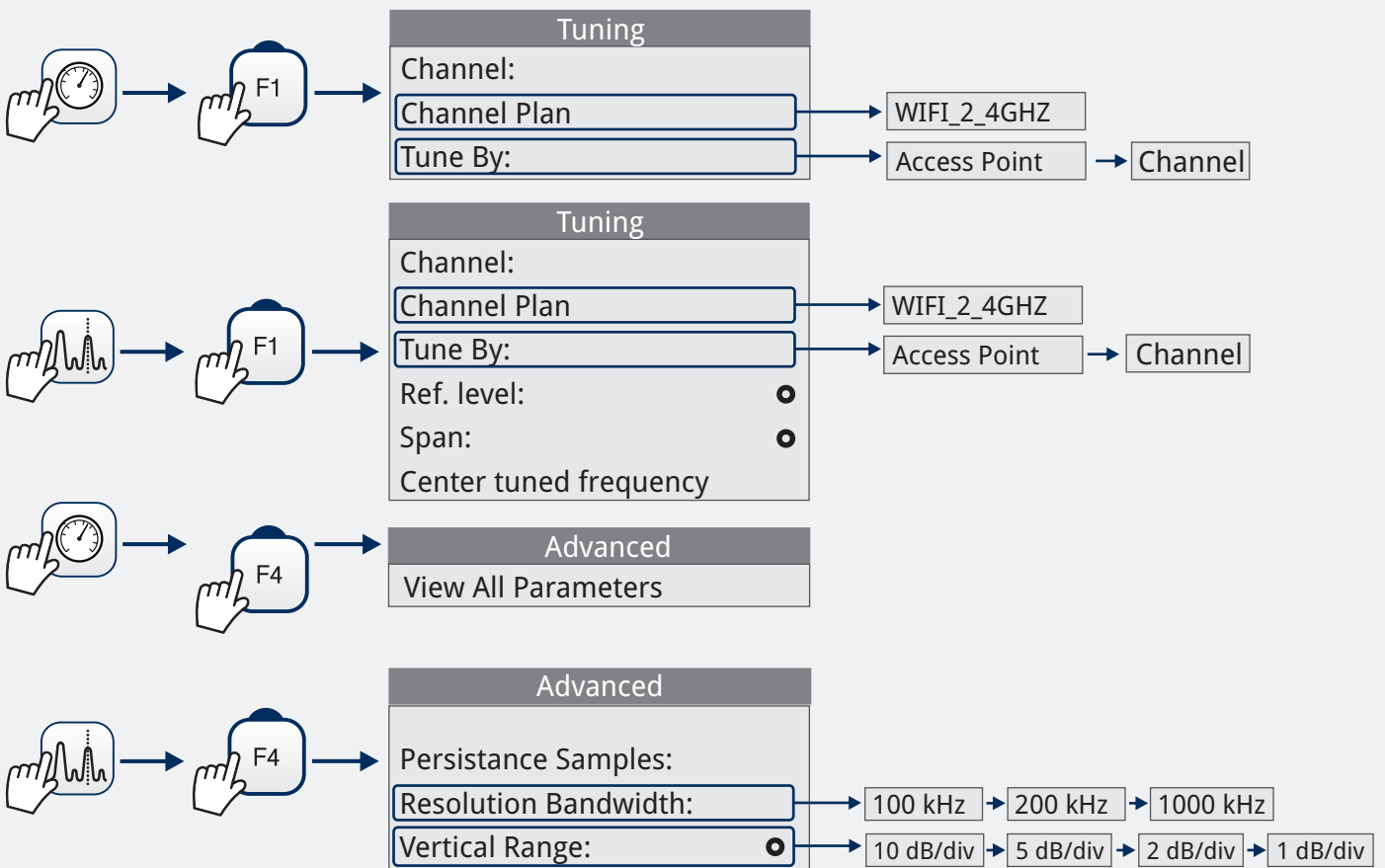
CH 1 | Advanced



WIFI SPECTRUM



WIFI MENUS



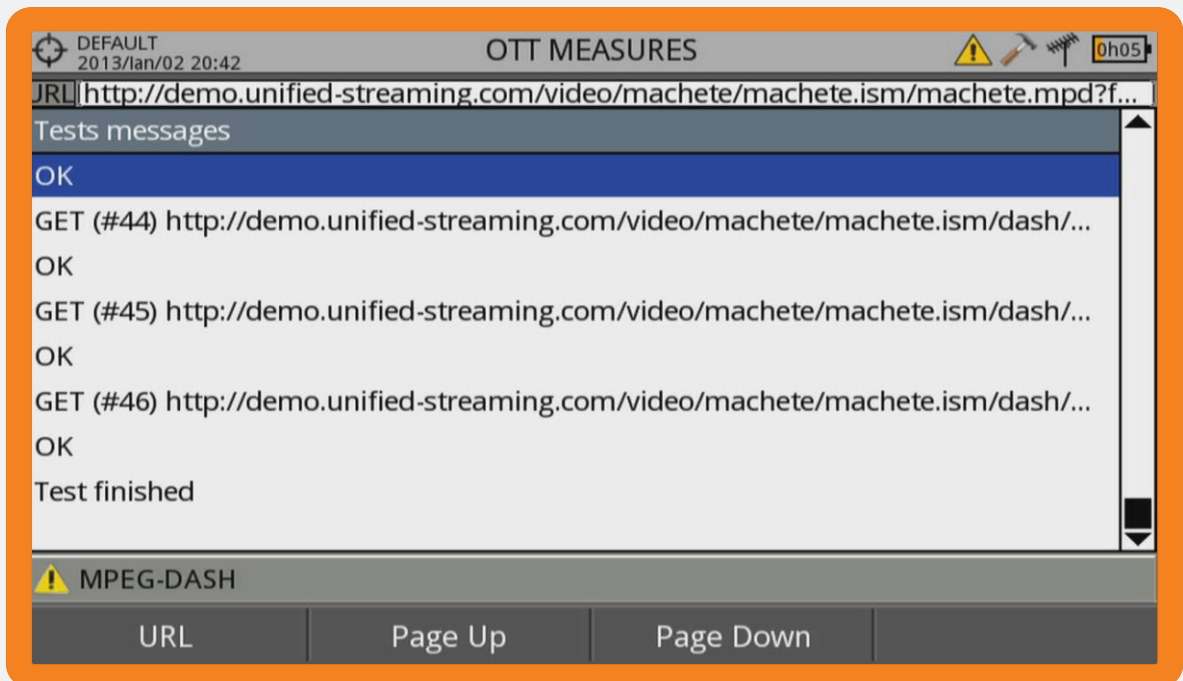
OTT streaming ((▶)) ▶ SETTINGS



OTT streaming ((▶)) ▶ SCREENS

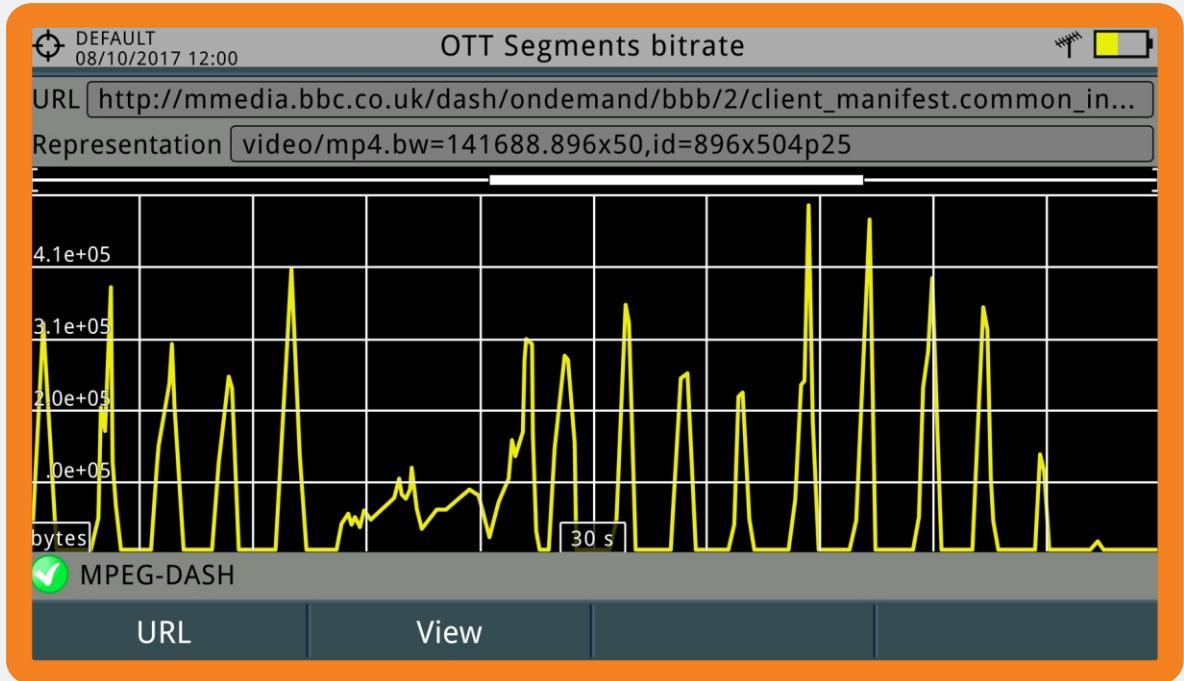


▶ OTT MODE

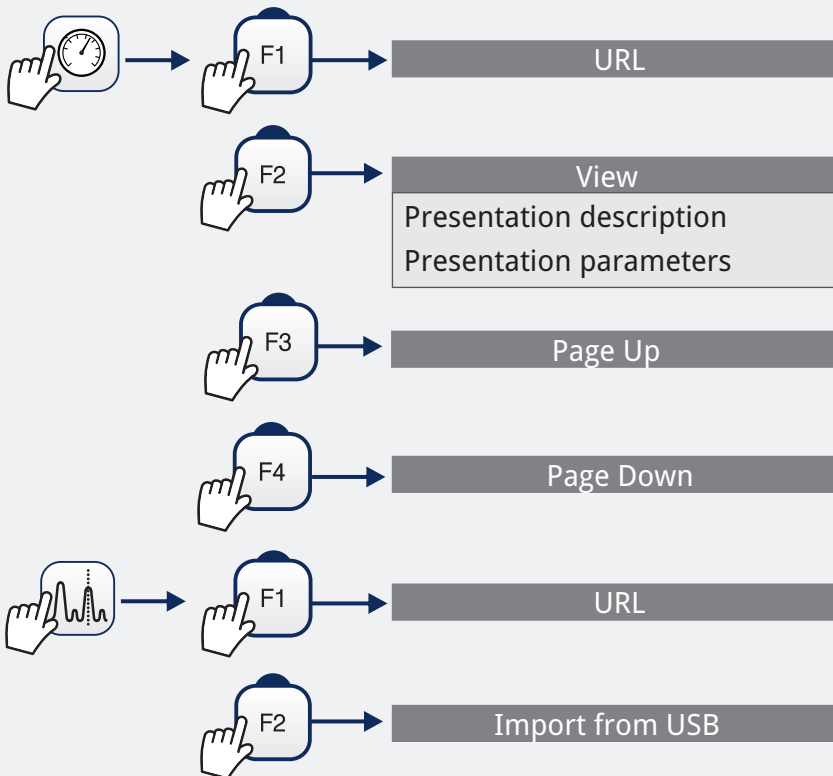




▶ OTT Segment Bitrate



OTT streaming (▶) ▶ MENU



webControl ► Network Setting

PREFERENCES MENU ► Network

(1s) ► MAC: DHCP: IP Address: Mask: Gateway:

10.8.8.188 Default IP address

password : Password

Equipment IP address

* Set the time before monitoring.

(2s) ► Time & Date or NTP

webControl ► TOOLS

- Measurements and Spectrum
- TV Parameters
- RANGER Neo Console
- Monitoring
- Historical Monitoring
- Installations Management
- Task Management

RANGER Neo Console

COMERCIAL SICN 25/02/2018 09:12 TV 2/3

Power: 62.4 dBµV
C/N: 39.9 dB
MER: 29.5 dB
VBER: <1.0E-07

TS locked (19.91 Mbps): RGE2 Clan HD

CH: 41 DVB-T Tools Advanced

F1 F2 F3 F4

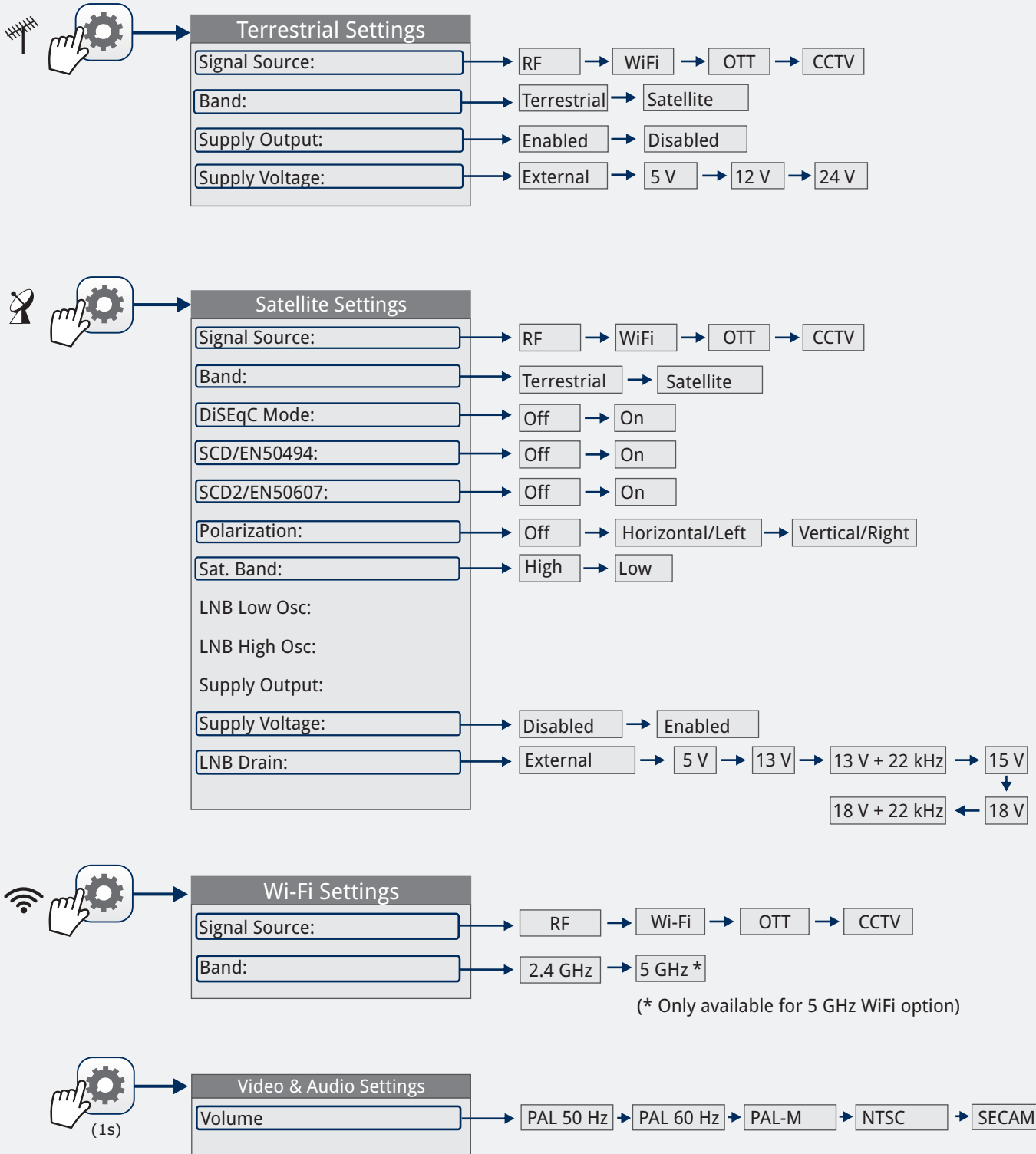
Nombre: RANGER Neo + Número de Serie: 010156039 Release: 27.0/2.7 Config

STOP EMULATION

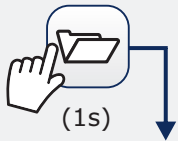
Tel: (+36) 801 847 700 | UK: (+44) 01727 832266 | FR: (+33) 06 62 81 20 00 | DE: (+49) 0 62 88 22 42 | promax@promax.us | promax



▶ SETTINGS MENU

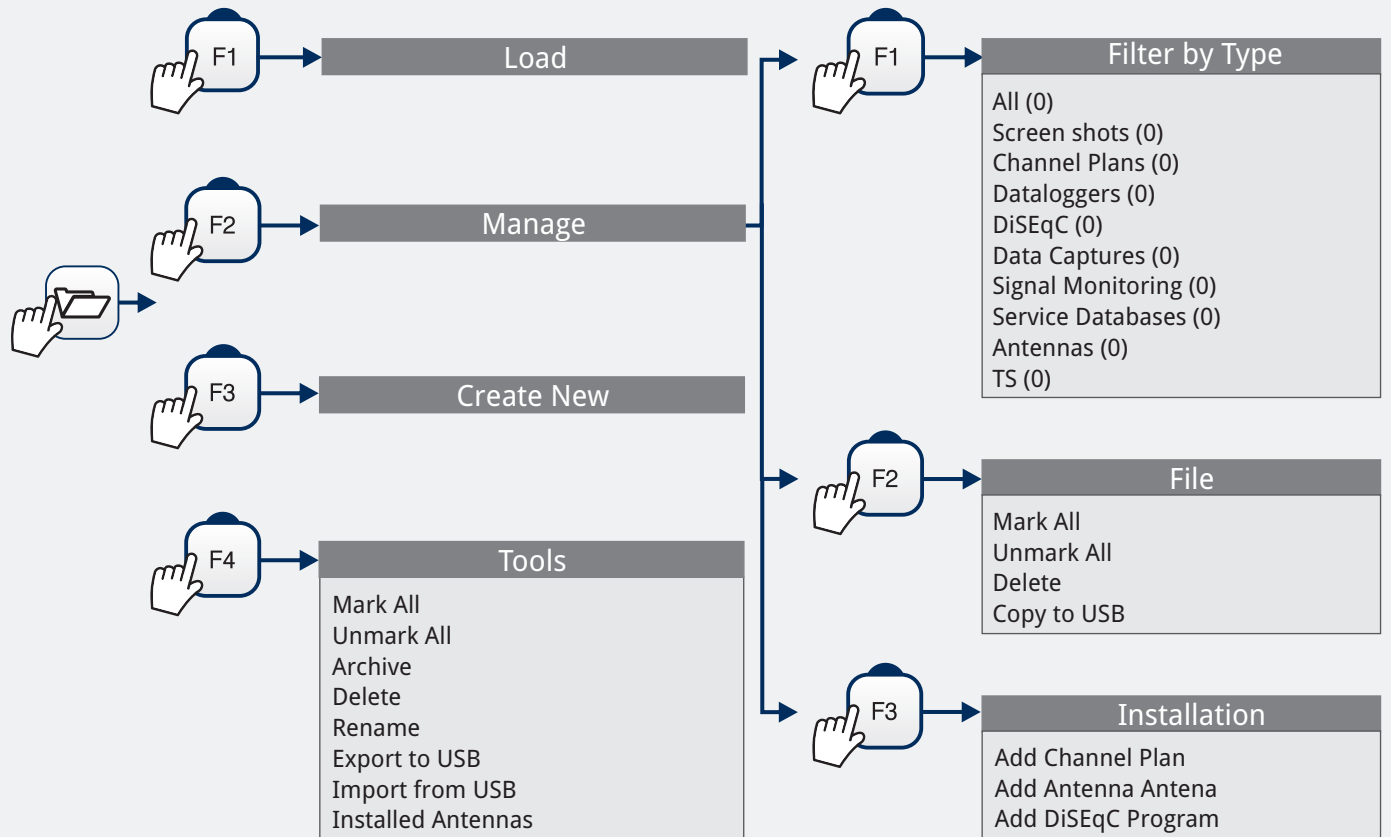


▶ PREFERENCES MENU

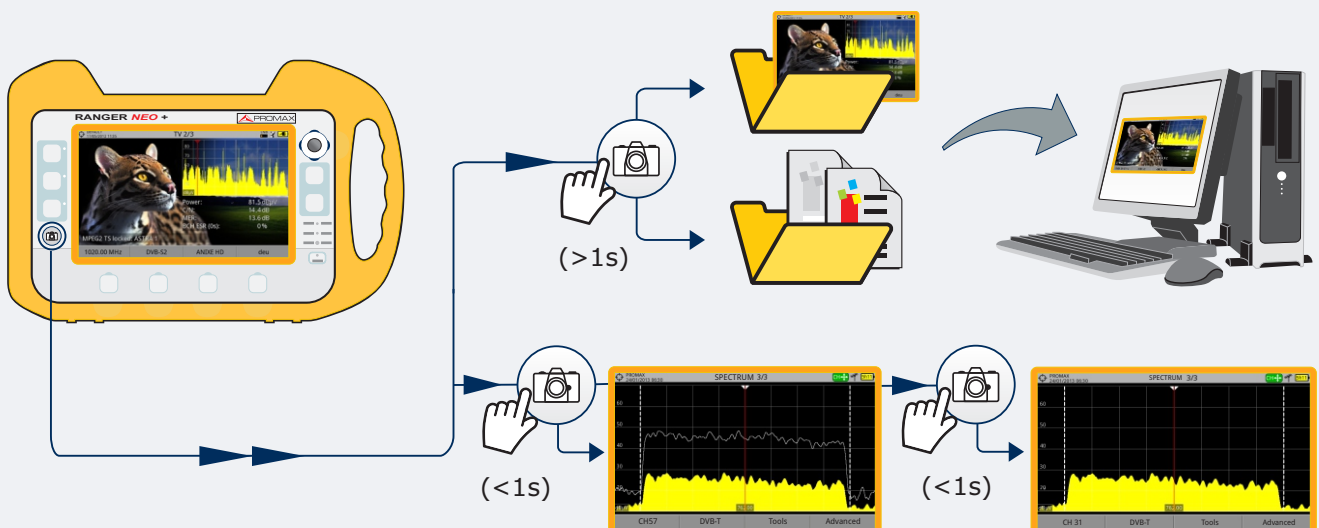


Preferences																
Equipment	<table border="1"> <tr> <td>Provider Name</td> <td>SN Release</td> <td>Date Free System Memory</td> <td>Free Data Memory Company</td> <td>Usuario</td> </tr> </table>	Provider Name	SN Release	Date Free System Memory	Free Data Memory Company	Usuario										
Provider Name	SN Release	Date Free System Memory	Free Data Memory Company	Usuario												
Appearance	<table border="1"> <tr> <td>Language: Skin:</td> <td>Power Off: Brightness:</td> <td>Background: Batt. Time:</td> <td>TFT Screen: Color System:</td> <td>Values Format:</td> </tr> </table>	Language: Skin:	Power Off: Brightness:	Background: Batt. Time:	TFT Screen: Color System:	Values Format:										
Language: Skin:	Power Off: Brightness:	Background: Batt. Time:	TFT Screen: Color System:	Values Format:												
Time & Date	<table border="1"> <tr> <td>Date:</td> <td>Time:</td> <td>Date Format:</td> <td>Time Zone:</td> </tr> </table>	Date:	Time:	Date Format:	Time Zone:											
Date:	Time:	Date Format:	Time Zone:													
Measures	<table border="1"> <tr> <td>Terrestrial Units:</td> <td>Sat. Band:</td> <td>Position Tone:</td> <td>Min TER. Level:</td> <td>Power Offset:</td> </tr> <tr> <td>Satellite Units:</td> <td>Ref. level:</td> <td>Min TER Power:</td> <td>Min. FM. Level:</td> <td></td> </tr> <tr> <td>Optical Units:</td> <td>Ter. Downlink:</td> <td>Min. SAT Power:</td> <td>Inp Impedance:</td> <td></td> </tr> </table>	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:	
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:													
Tools	<table border="1"> <tr> <td>Datalogger PSI:</td> <td>Export button:</td> <td>LTE Filter F. Max:</td> </tr> <tr> <td>Data base services:</td> <td>LTE Filter F. Min:</td> <td>Center Freq:</td> </tr> </table>	Datalogger PSI:	Export button:	LTE Filter F. Max:	Data base services:	LTE Filter F. Min:	Center Freq:									
Datalogger PSI:	Export button:	LTE Filter F. Max:														
Data base services:	LTE Filter F. Min:	Center Freq:														
Stealth-ID	<table border="1"> <tr> <td>Terrestrial</td> <td> <input type="checkbox"/> ANALOG → <input type="checkbox"/> FM → <input type="checkbox"/> DVB-T → <input type="checkbox"/> DVB-C → <input type="checkbox"/> QAM (J83B) </td> </tr> <tr> <td>Satellite</td> <td> <input type="checkbox"/> DVB-S → <input type="checkbox"/> DVB-S2 → <input type="checkbox"/> DSS </td> </tr> </table> <p> <input type="checkbox"/> DAB ← <input type="checkbox"/> ISDB-T ← <input type="checkbox"/> DVB-C2 ← <input type="checkbox"/> DVB-T2 </p>	Terrestrial	<input type="checkbox"/> ANALOG → <input type="checkbox"/> FM → <input type="checkbox"/> DVB-T → <input type="checkbox"/> DVB-C → <input type="checkbox"/> QAM (J83B)	Satellite	<input type="checkbox"/> DVB-S → <input type="checkbox"/> DVB-S2 → <input type="checkbox"/> DSS											
Terrestrial	<input type="checkbox"/> ANALOG → <input type="checkbox"/> FM → <input type="checkbox"/> DVB-T → <input type="checkbox"/> DVB-C → <input type="checkbox"/> QAM (J83B)															
Satellite	<input type="checkbox"/> DVB-S → <input type="checkbox"/> DVB-S2 → <input type="checkbox"/> DSS															
Security	<table border="1"> <tr> <td>PIN Code</td> <td>1234</td> </tr> </table>	PIN Code	1234													
PIN Code	1234															
Network	<table border="1"> <tr> <td>MAC:</td> <td>DHCP:</td> <td>IP Address:</td> <td>Mask:</td> <td>Gateway:</td> </tr> </table>	MAC:	DHCP:	IP Address:	Mask:	Gateway:										
MAC:	DHCP:	IP Address:	Mask:	Gateway:												
Streaming V/A	<table border="1"> <tr> <td>IP Address:</td> <td>Port:</td> </tr> </table>	IP Address:	Port:													
IP Address:	Port:															
SNMP	<table border="1"> <tr> <td>SNMP Configuration</td> <td>SNMPv1</td> <td>SNMPv2</td> </tr> </table>	SNMP Configuration	SNMPv1	SNMPv2												
SNMP Configuration	SNMPv1	SNMPv2														
SMTP	<table border="1"> <tr> <td>Enable</td> <td>Server IP address</td> <td>Server port</td> <td>From e-mail address</td> <td>Connection type</td> <td>Authentication required</td> </tr> </table>	Enable	Server IP address	Server port	From e-mail address	Connection type	Authentication required									
Enable	Server IP address	Server port	From e-mail address	Connection type	Authentication required											
NTP	<table border="1"> <tr> <td>Enabled</td> <td>Server URL address</td> <td>Test Configuration</td> </tr> </table>	Enabled	Server URL address	Test Configuration												
Enabled	Server URL address	Test Configuration														

INSTALLATION MANAGEMENT



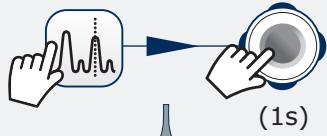
EXPORT* IMAGE / DATA / SPECTRUM



*Export settings in Preferences

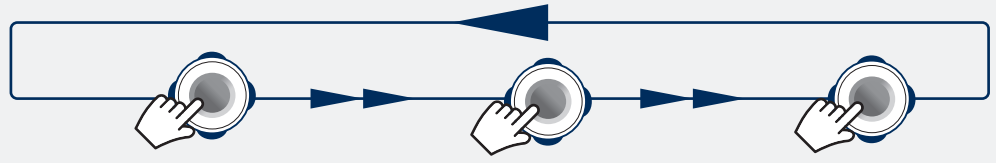


▶ JOYSTICK



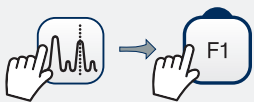
Joystick configuration

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



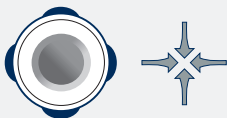
Tuning

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 ◉



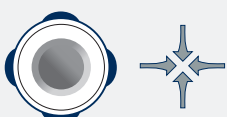
Tuning

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



Tuning

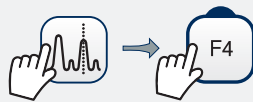
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.10 MHz ◉



Tuning

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

PARAMETER SELECTION



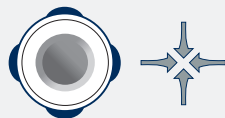
Advanced

Average	0 ◉
Spectrum Line	Outline ◿



Advanced

Average	0 ◉
Spectrum Line	Outline ◿



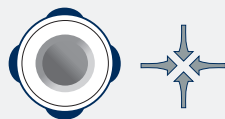
Advanced

Average	0 ◉
Spectrum Line	Outline ◿
	Outline
	Solid
	Trans.



Advanced

Average	0 ◉
Spectrum Line	Outline ◿
	Outline
	Solid
	Trans.



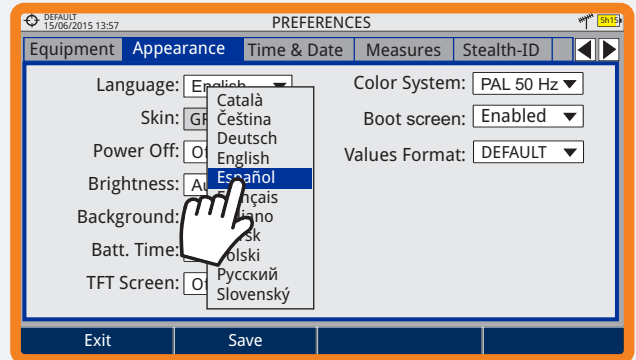
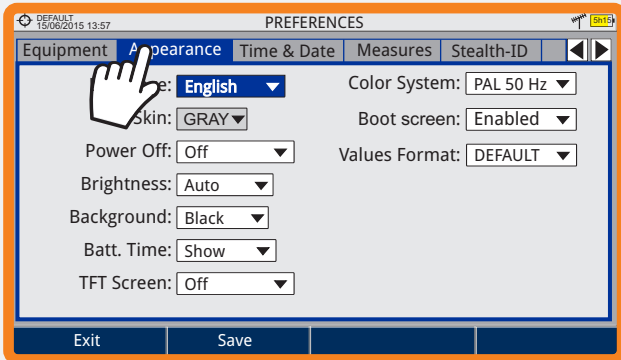
Advanced

Average	0 ◉
Spectrum Line	Solid ◿

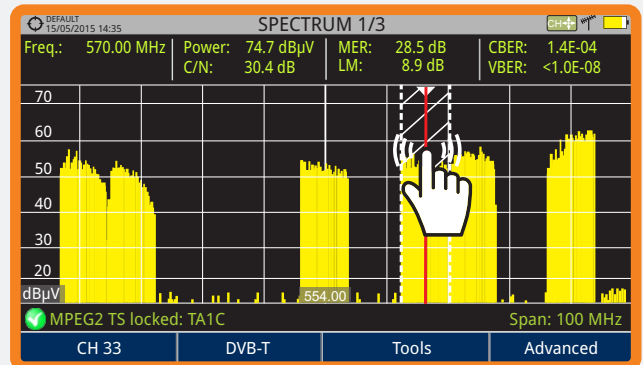
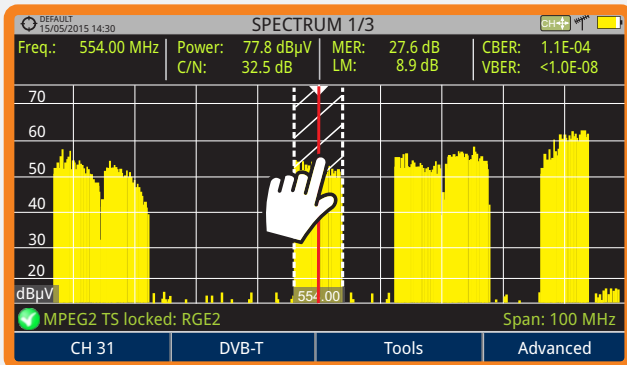


TOUCH SCREEN

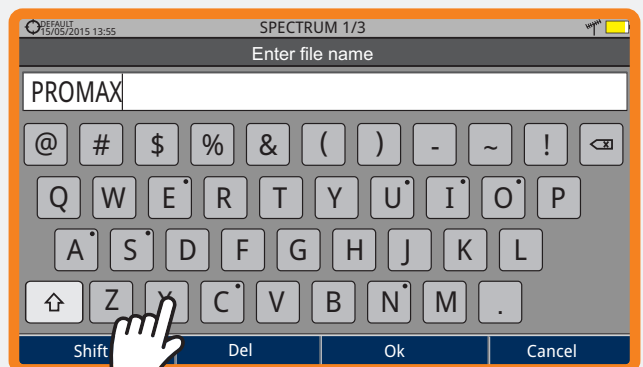
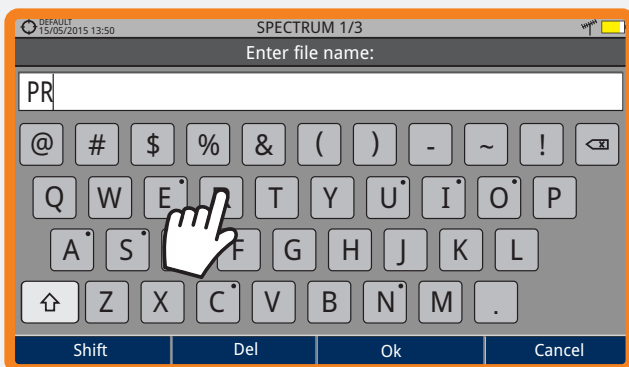
MENU SELECTION



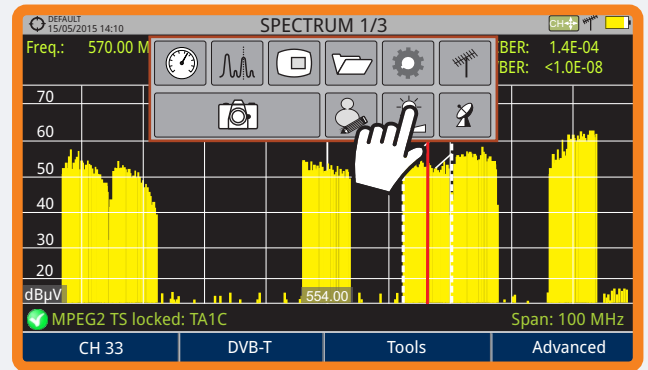
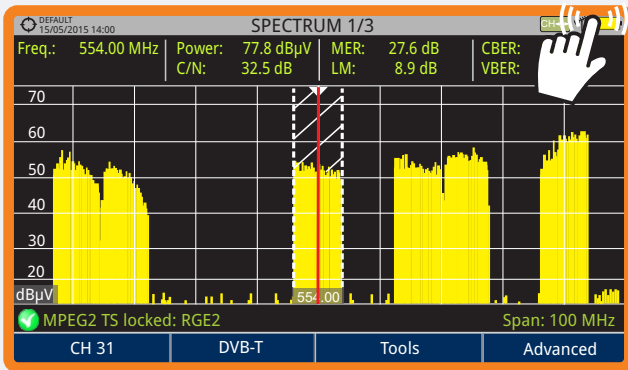
FREQUENCY SELECTION



VIRTUAL KEYBOARD WRITING



TOOLBAR



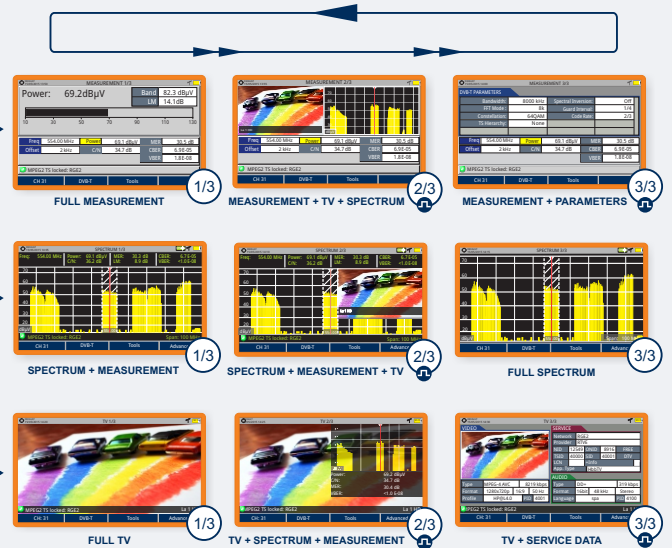
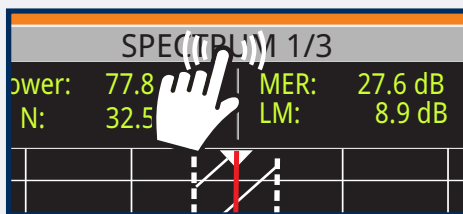
TOOLBAR ICONS

- Measurement Mode
- Spectrum Analyser Mode
- TV Mode
- Installations Management

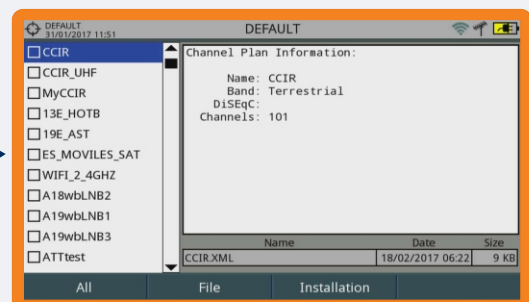
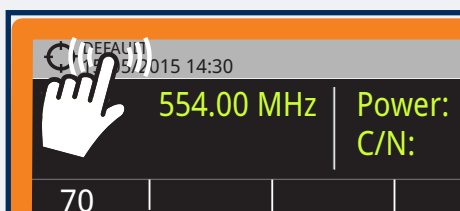
- Settings
- Terrestrial Band
- Satellite Band

- Video & Audio Settings
- Preferences
- Screen Capture

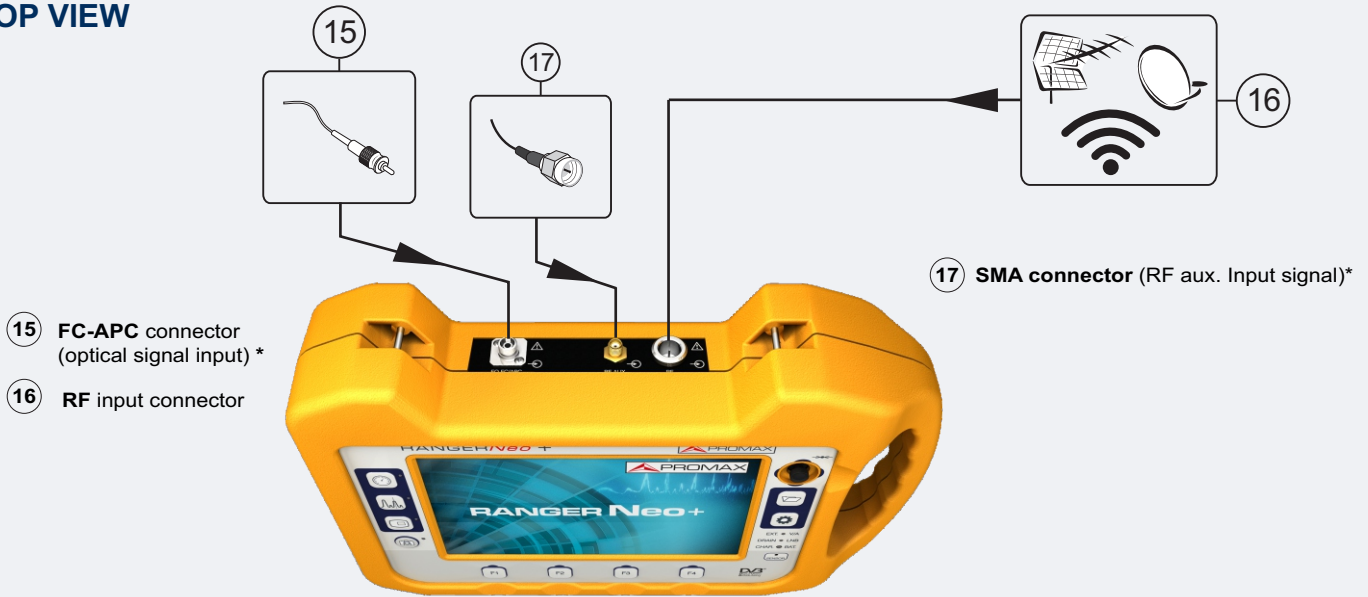
MODE SCREENS



INSTALLATIONS MANAGEMENT

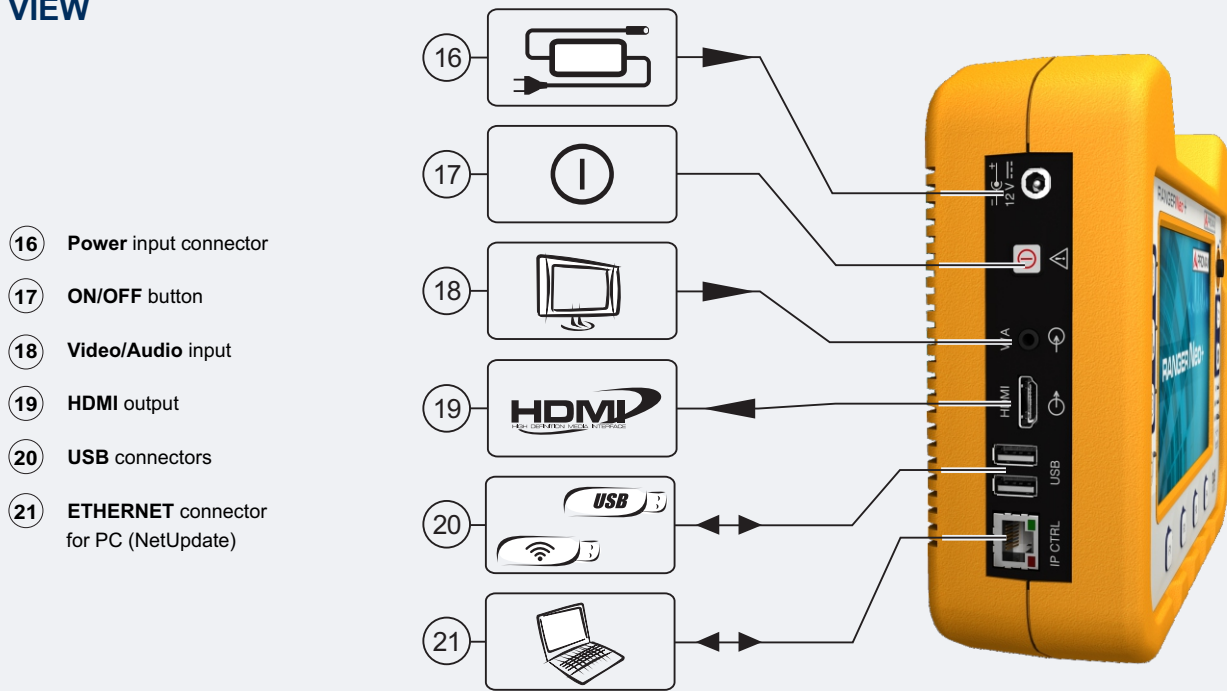


TOP VIEW



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

SIDE VIEW



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).

