

FRONT VIEW



- | | | |
|---|--|------------------------------------|
| 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

- Task scheduled**
 - 6 GHz RF Auxiliary Input***
 - External Reference Input***
 - IPTV signal source**
 - OTT streaming**
 - Connected to webControl**
- *Option. Refer annex on the User's Manual

SERVICE LIST SELECTOR

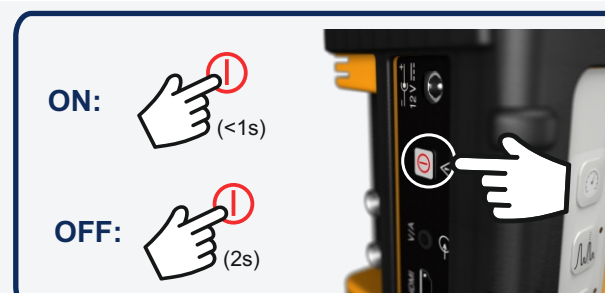
- DIGITAL TV service** **HD High Definition TV service**
- Digital radio** **Data** **Scrambled service**

DIALOG BOXES

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

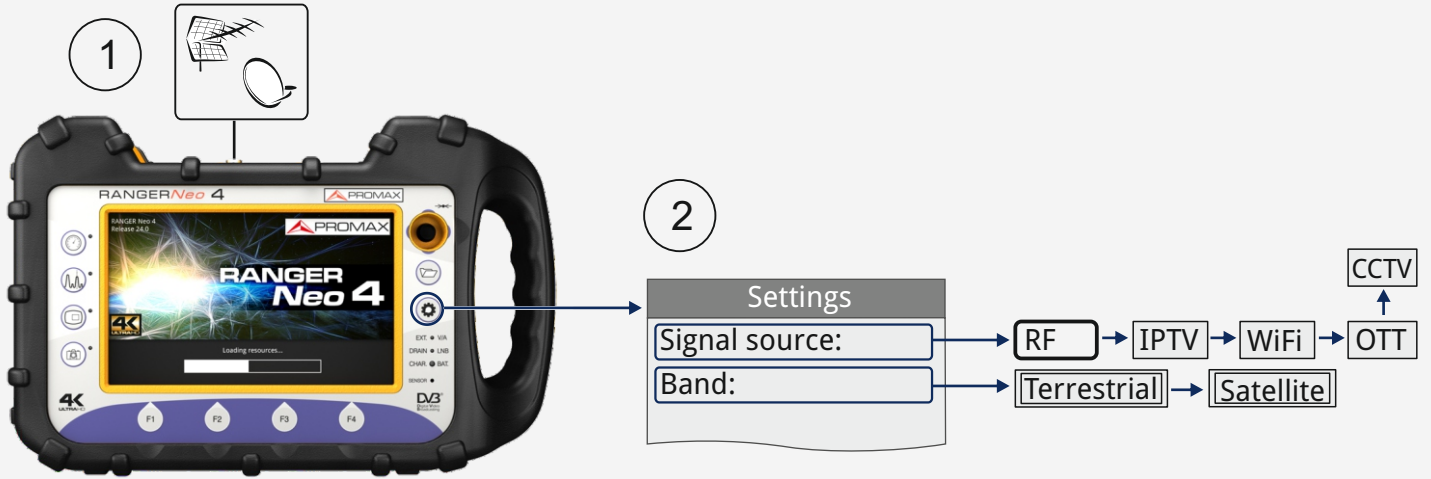
VIDEO & AUDIO SETTINGS MENU

- TFT backlight brightness** **Volume**



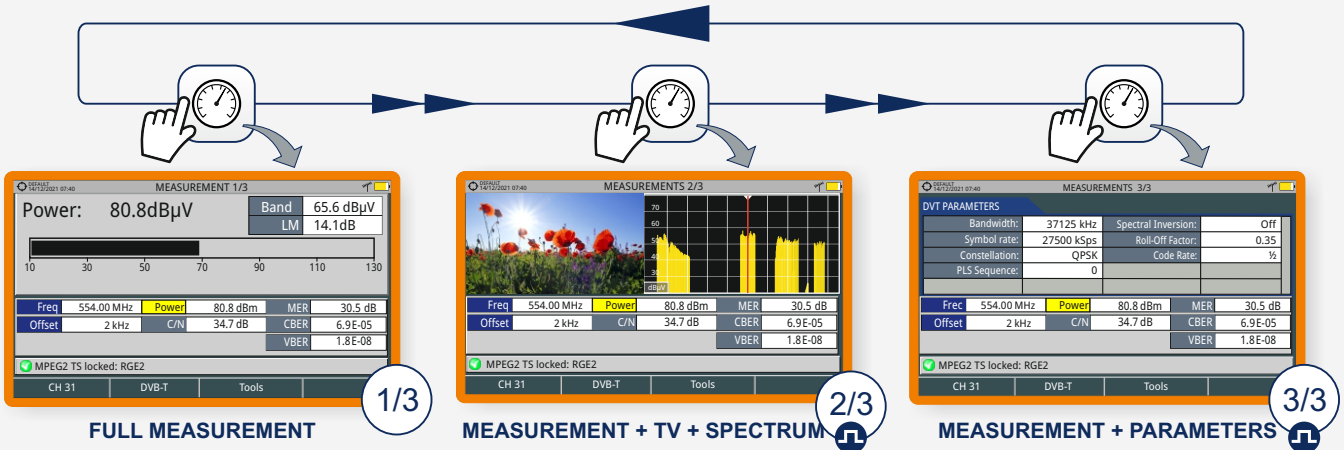
Some functions may belong to options. Consult the user manual.

RF ► SETTINGS

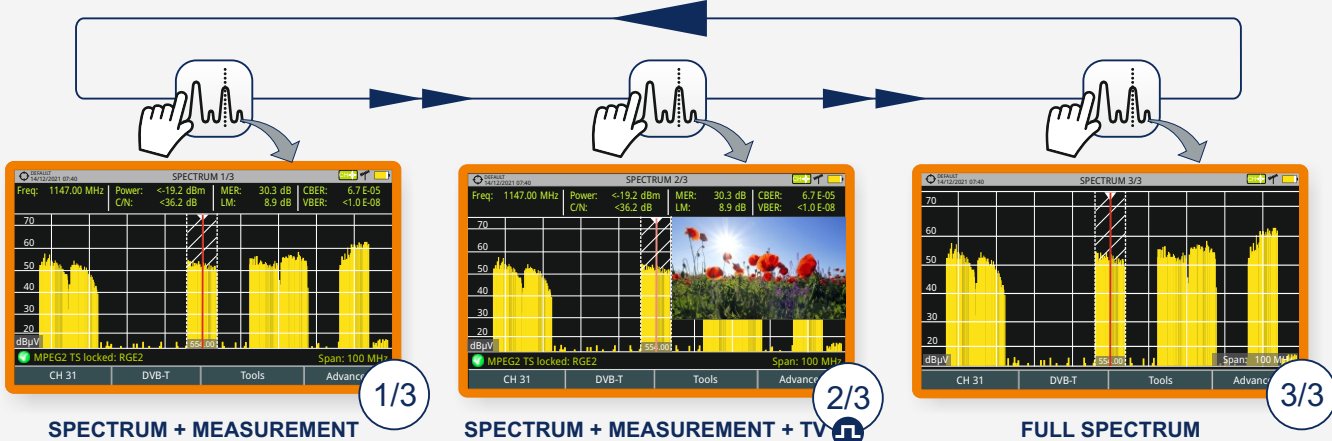


RF ► SCREENS

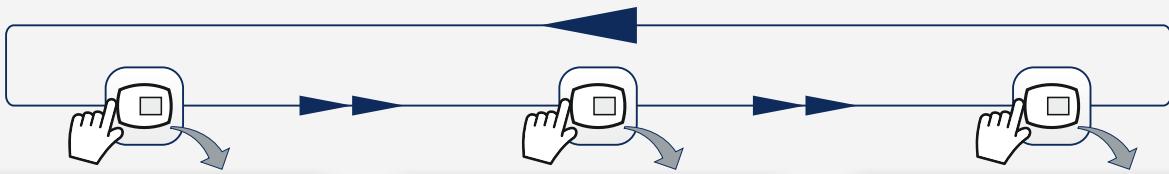
► MEASUREMENT



► SPECTRUM ANALYSER

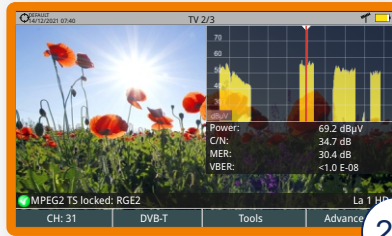


TV MODE



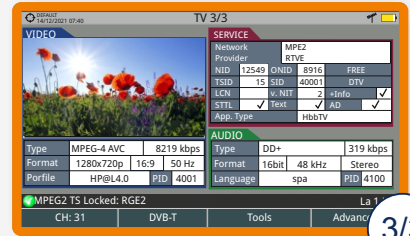
FULL TV

1/3



TV + SPECTRUM + MEASUREMENTS

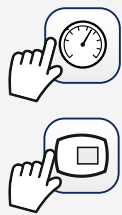
2/3



TV + SERVICE DATA

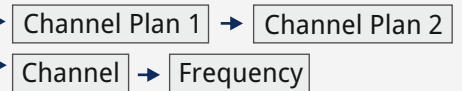
3/3

RF MENUS



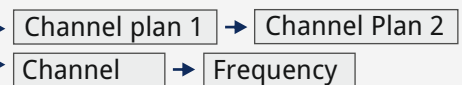
Tuning

- Channel:
- Channel Plan
- Tune by:
- View all services...



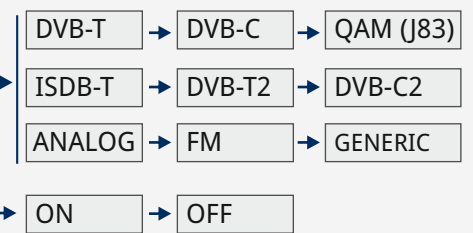
Tuning

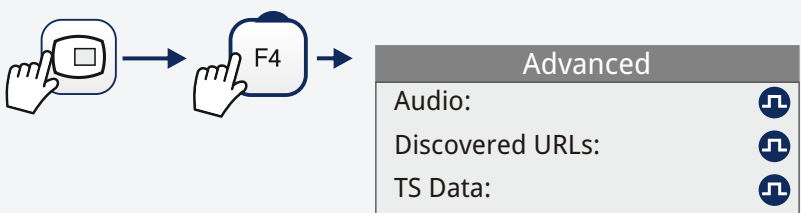
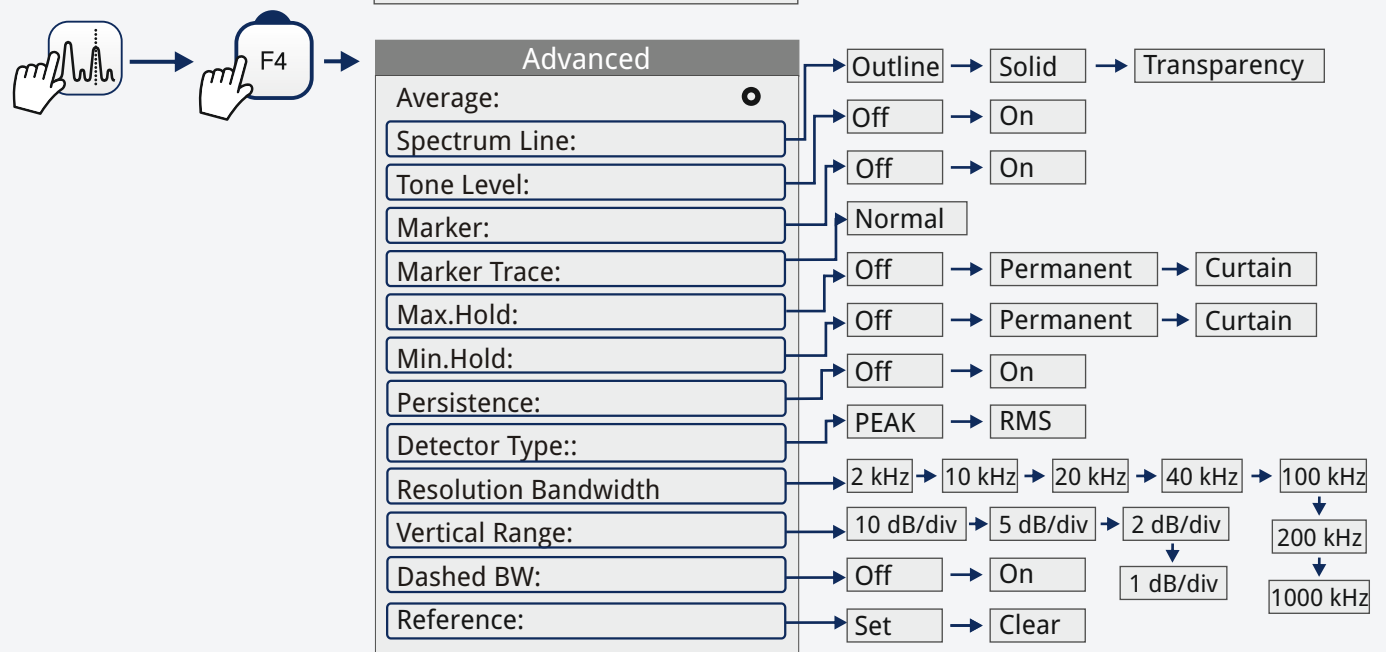
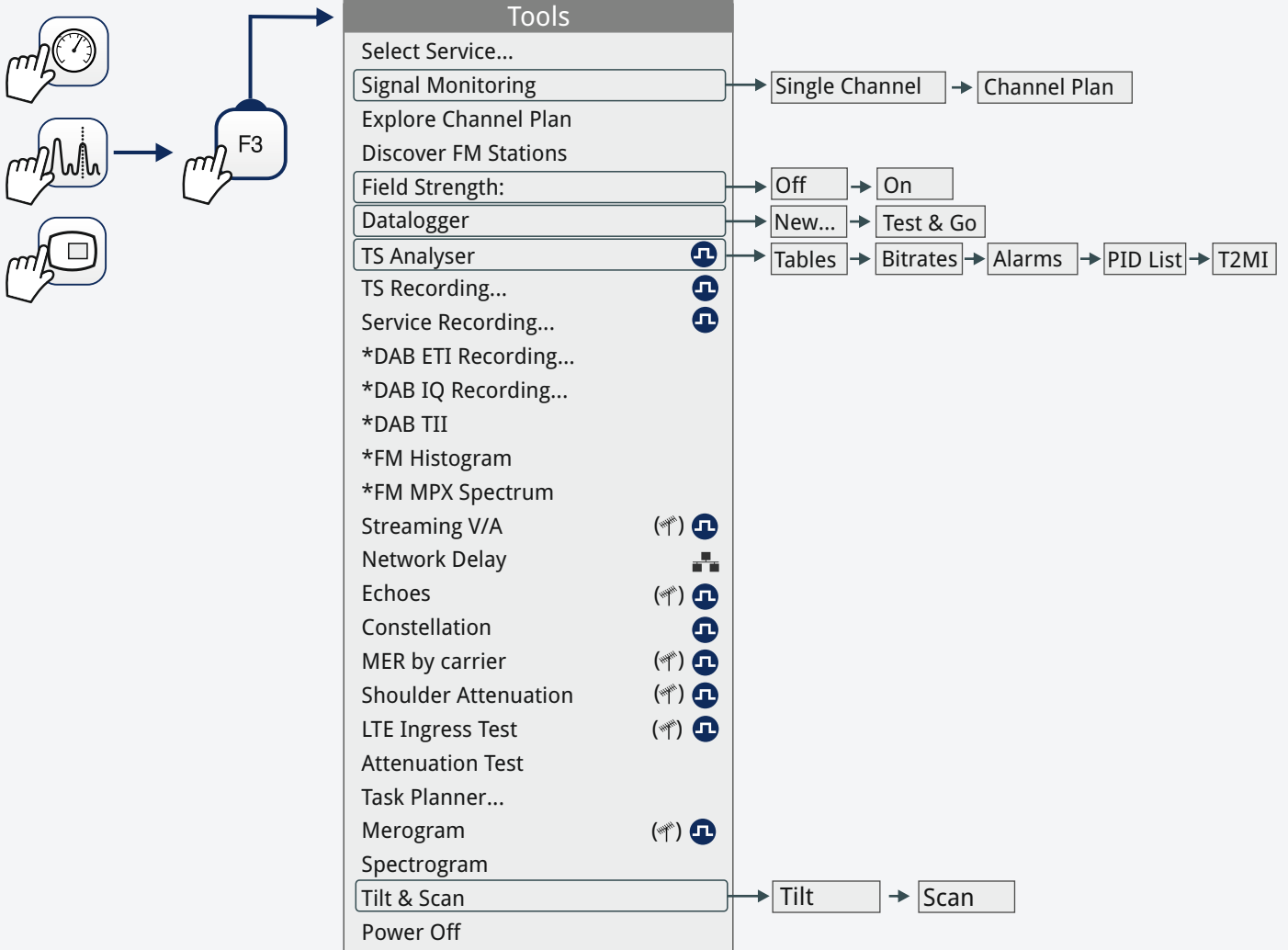
- Frequency:
- Channel Plan:
- Tune By:
- Center Freq: ○
- Ref. Level: ○
- Span: ○
- Center tuned frequency
- View all services...



Signal Parameters

- Signal Type:
- Stealth-ID





WIFI ► SETTINGS



WIFI ► SCREENS

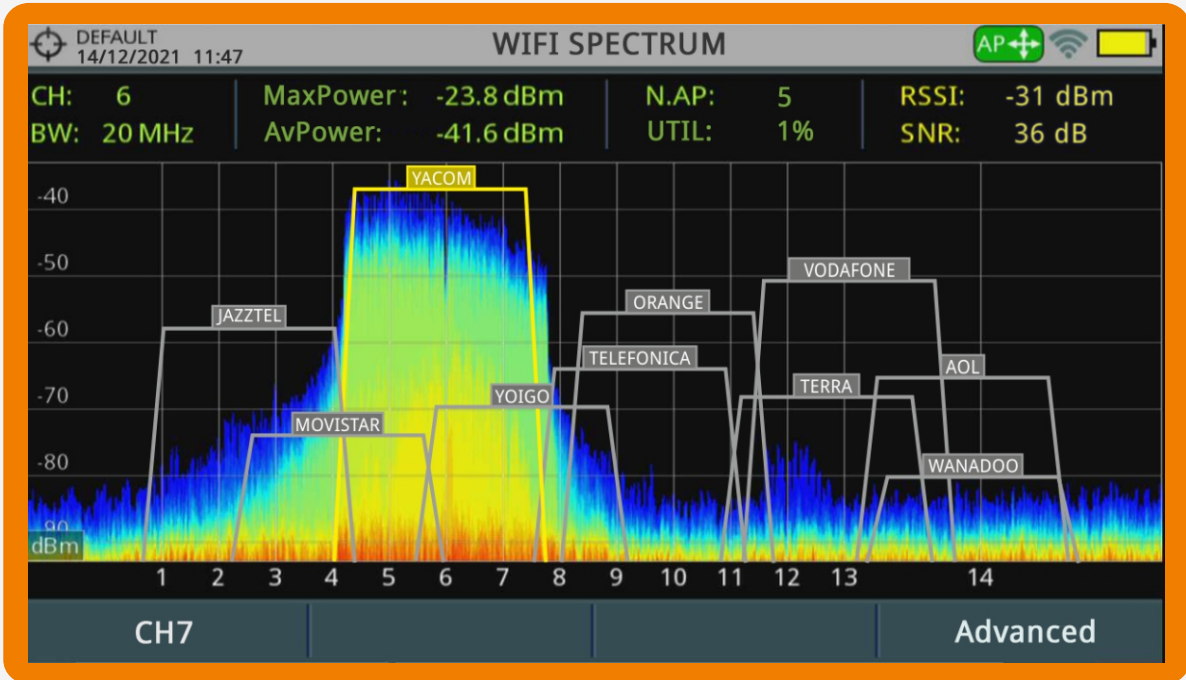
► SITE SURVEY

PROMAX 14/12/2021 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			

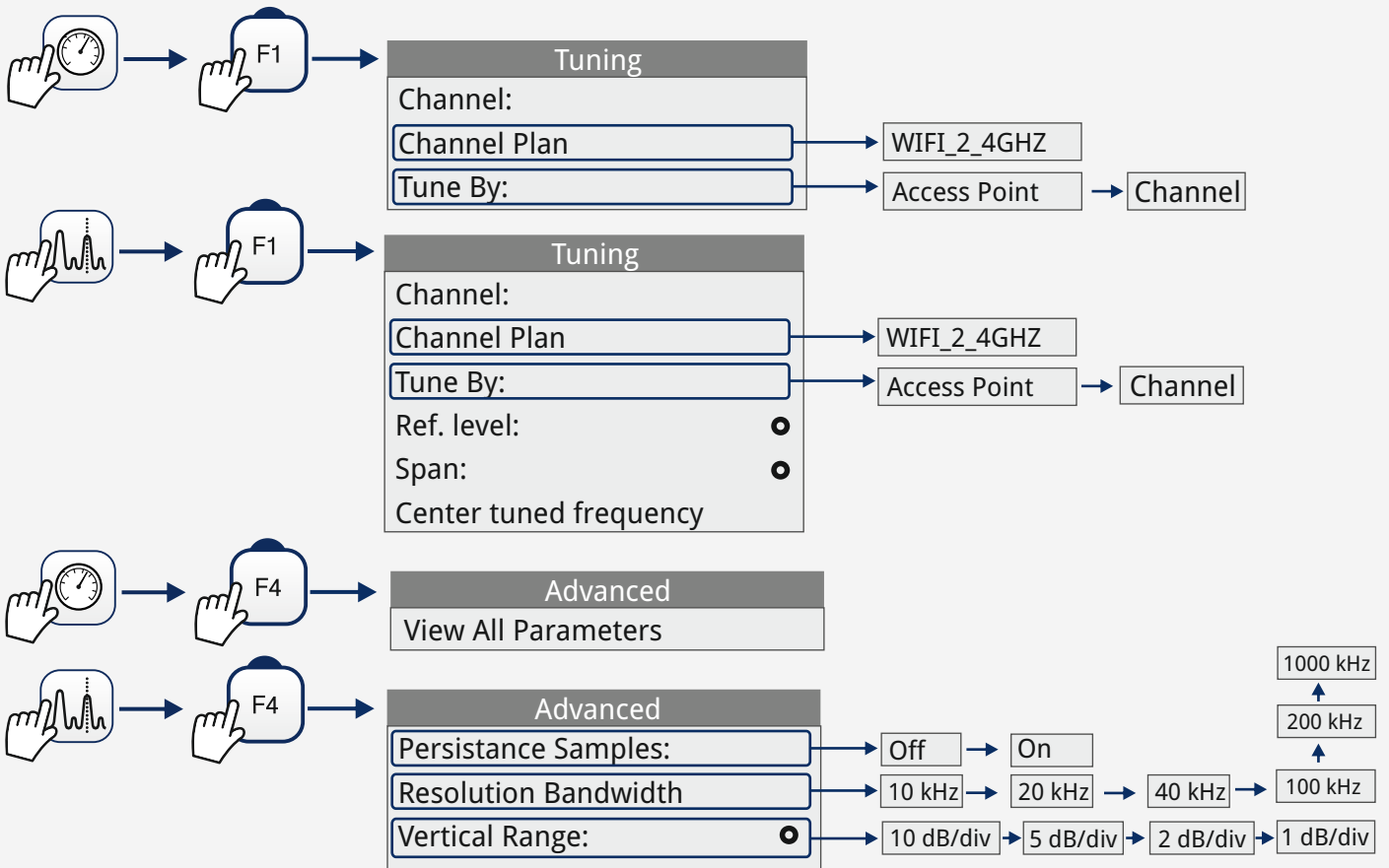
CH 1 | Advanced



WIFI SPECTRUM



WIFI MENUS

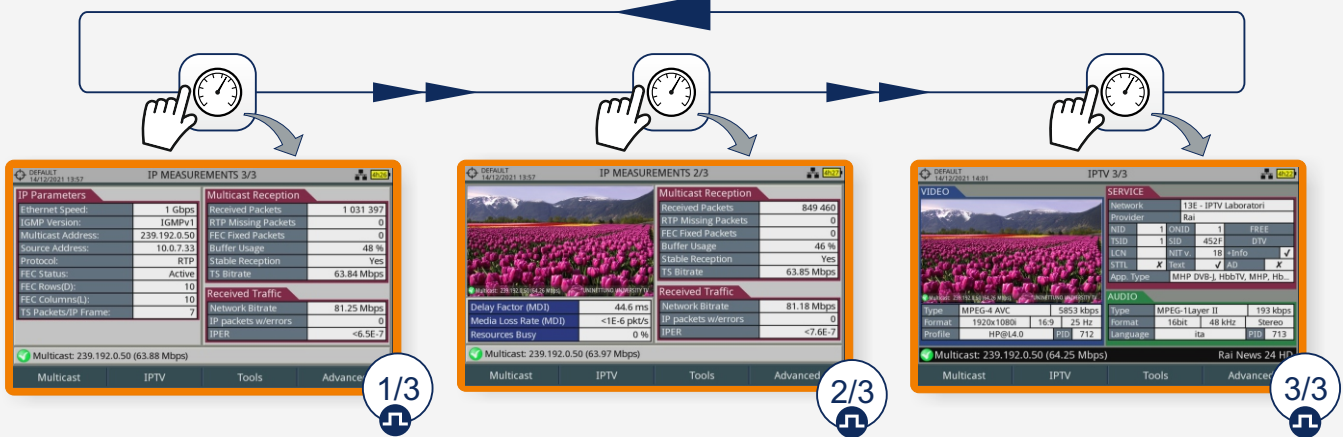


IPTV ip.tv ► SETTINGS

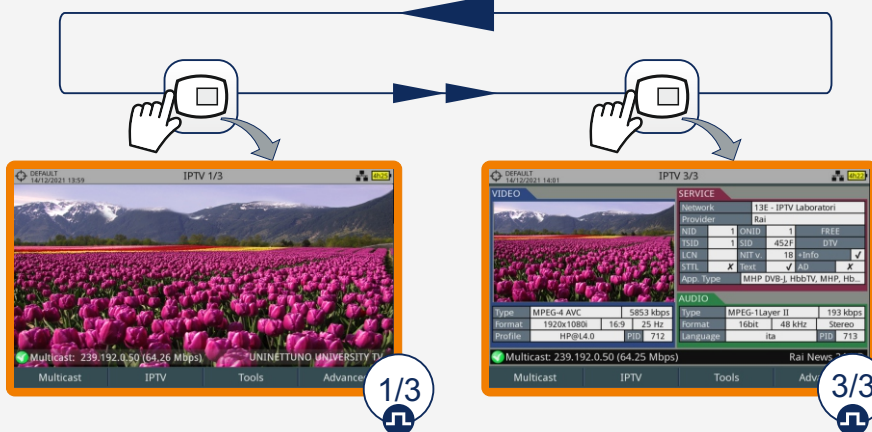


IPTV ip.tv ► SCREENS

IP MEASUREMENTS

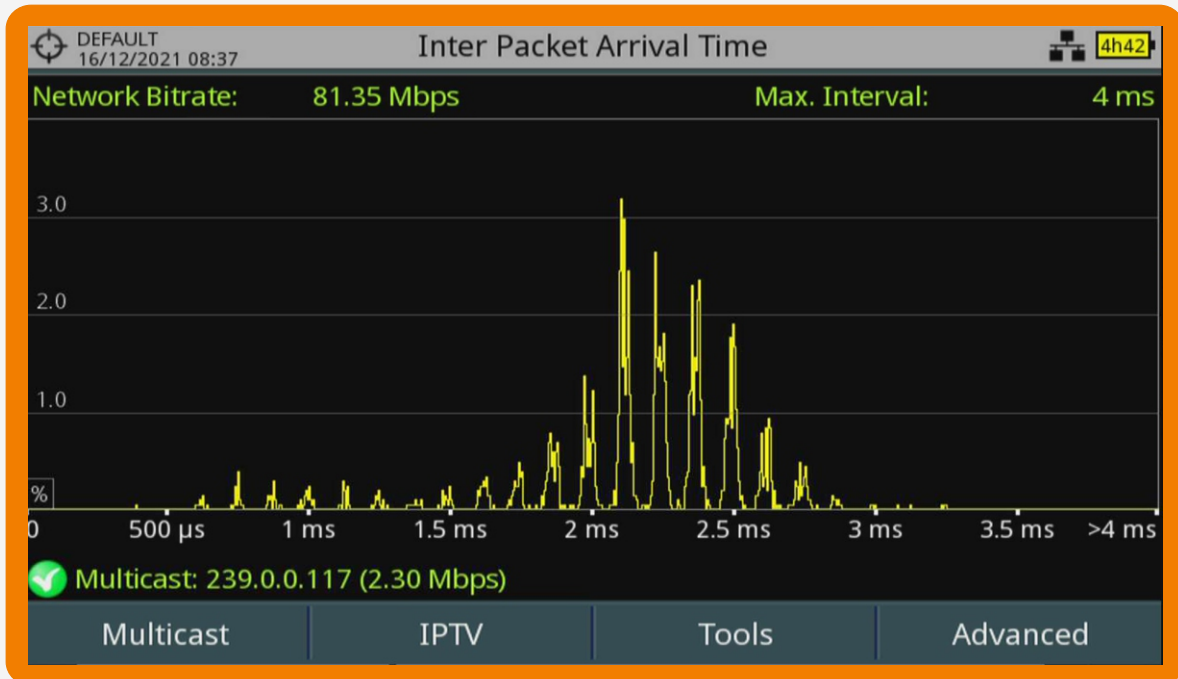


IPTV

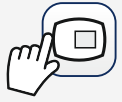




▶ INTER PACKET ARRIVAL TIME



IPTV ip.tv ▶ MENUS

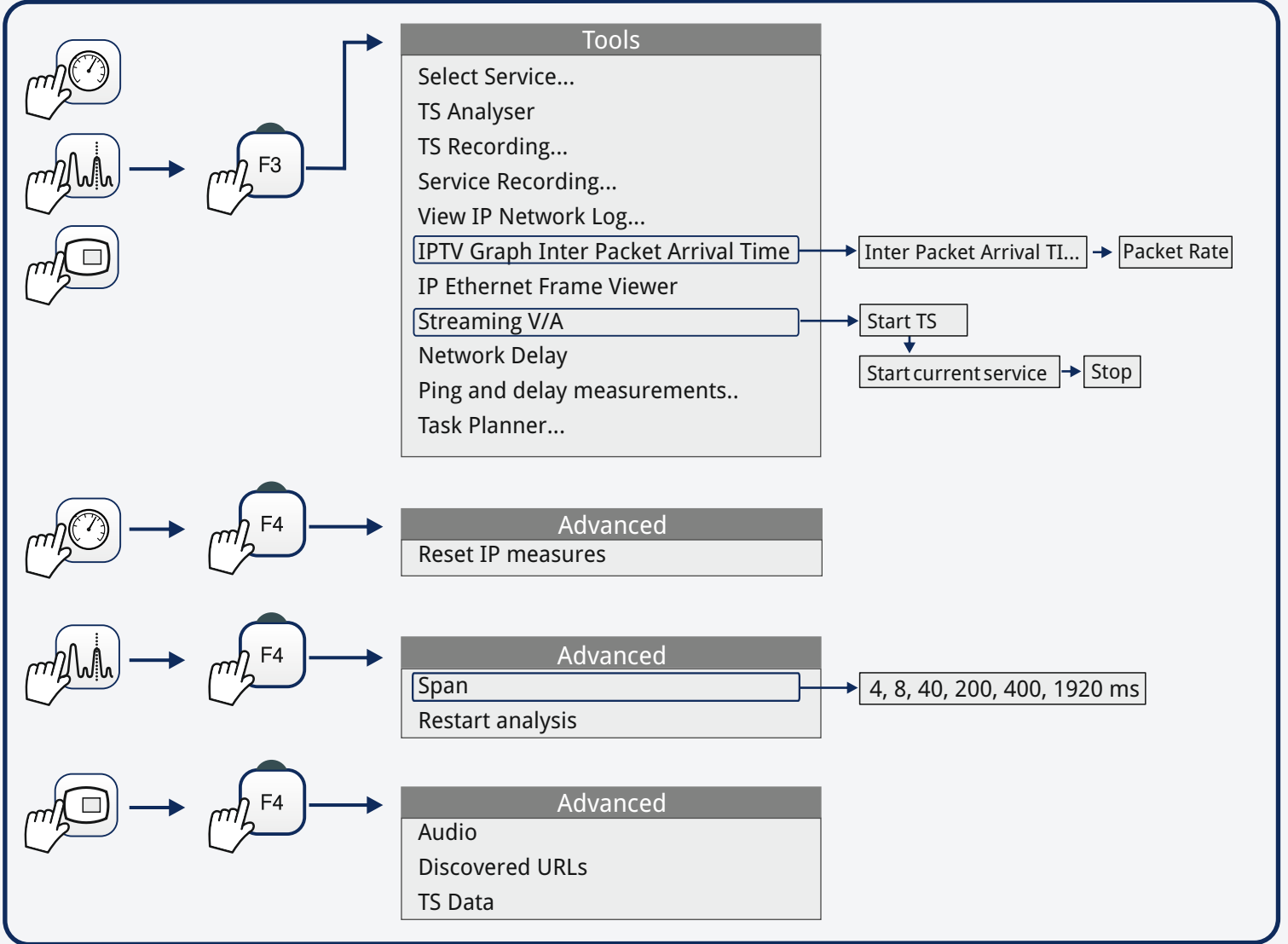


Multicast

- Multicast Address
- UDP Port:
- Select Multicast Address from M3U
- Load Mu3 file
- Recent Multicast Addresses
- Discovered Multicast Addresses
- IGMPv3 Server Sources



IP Parameters



OTT streaming (🎧) ▶ SETTINGS



OTT streaming (🎵) ▶ SCREENS



▶ OTT MODE

DEFAULT 15/12/2021 13:39 OTT 1/2 5h51

URL http://media.developer.dolby.com/DolbyVision_Atmos/profile8.1_DASH/p8.1.mpd

Representation

Tests messages

- Segment list is valid
- Segments list details
- URL content is MPD
- MPD type: static
- MPD profiles:
'live'

MPEG-DASH

URL View Page Up Page Down



▶ OTT Segment Bitrate

DEFAULT 15/12/2021 13:40 OTT Segments bitrate 5h49

URL <https://dash.akamaized.net/dash264/TestCasesUHD/2b/11/MultiRate.mpd>

Representation

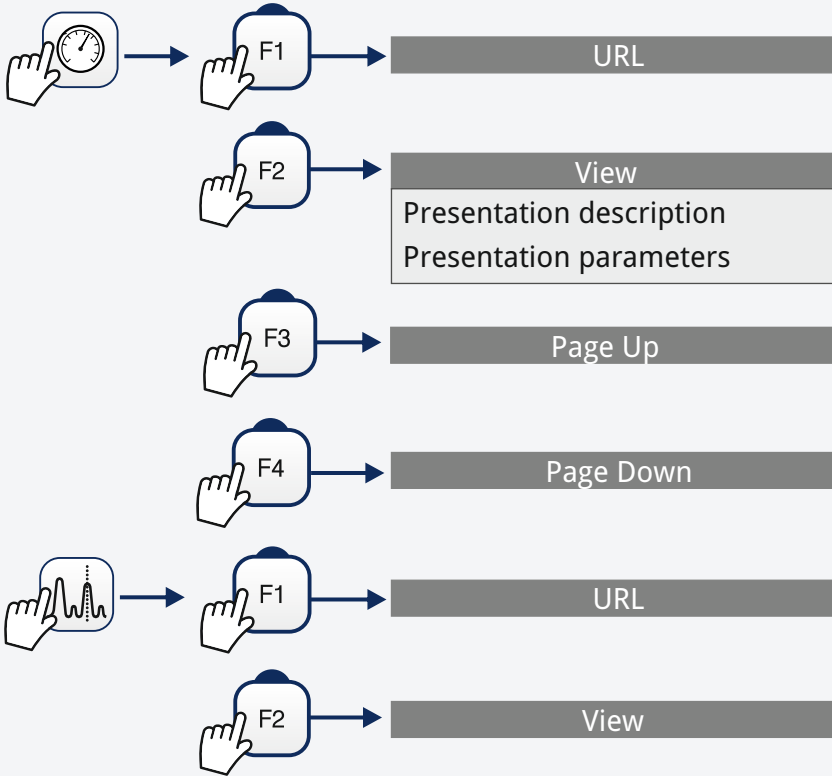
169
127
84
42
kBytes

10 s

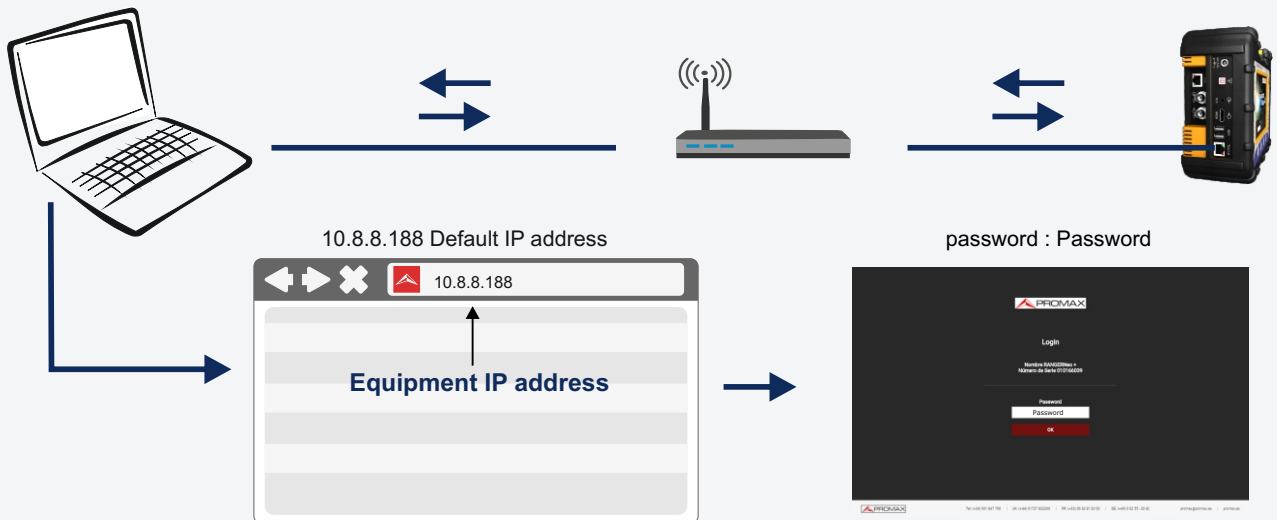
MPEG-DASH

URL View

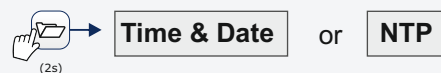
OTT streaming (▶) ► MENU



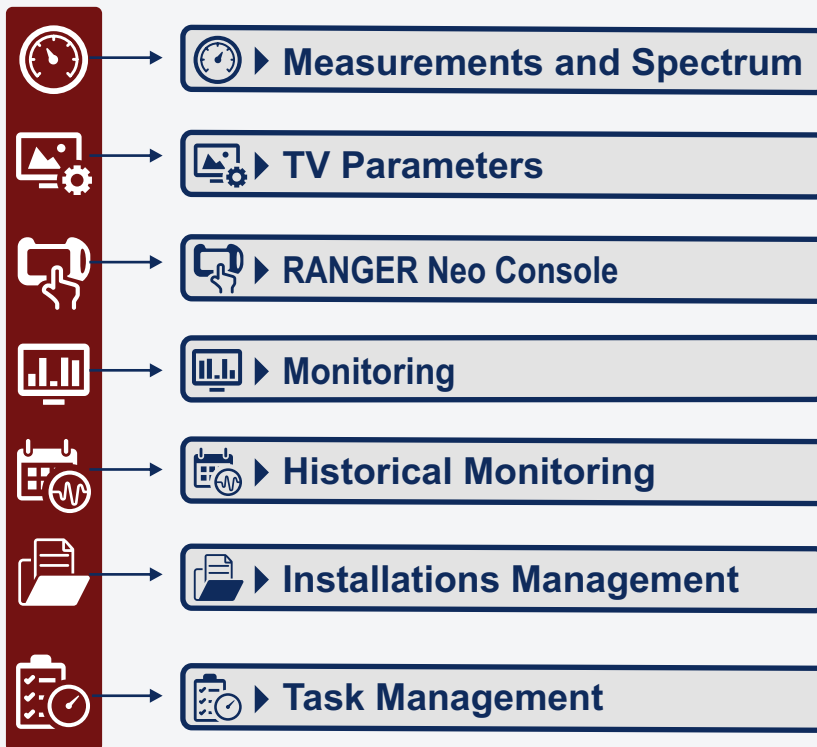
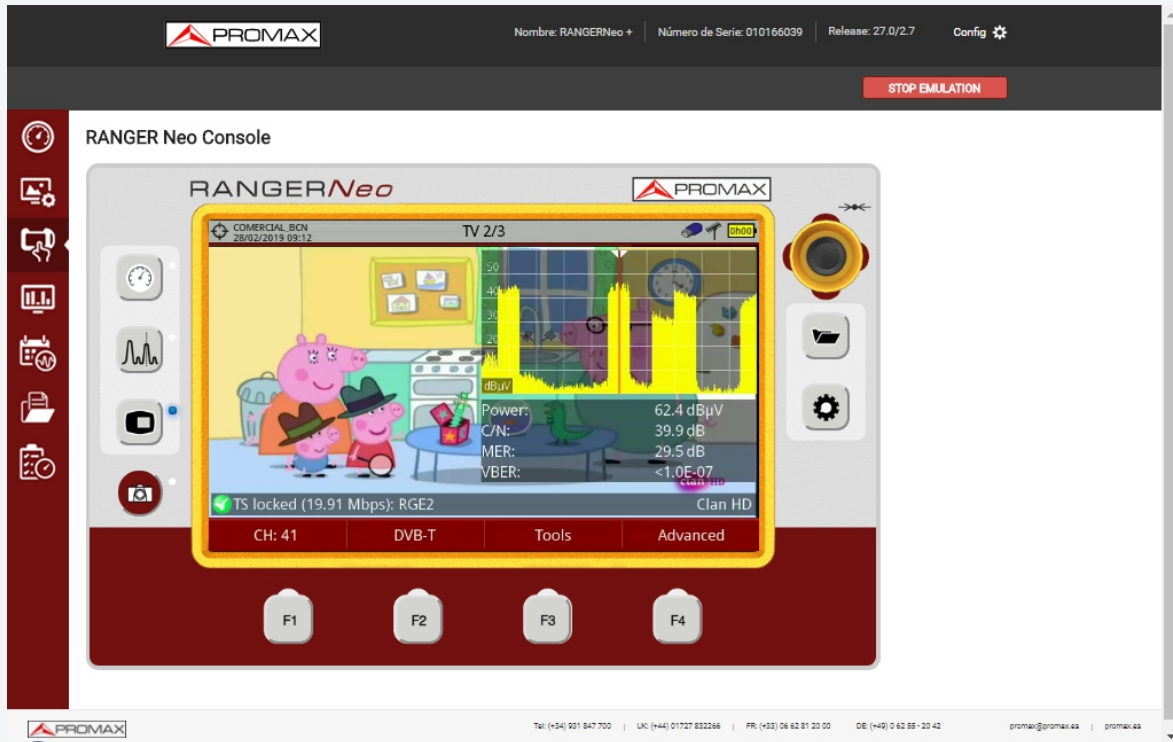
webControl (globe icon) ► Network Setting



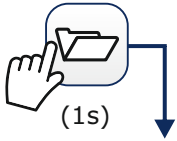
⚠ * Set the time before monitoring.



webControl ► TOOLS



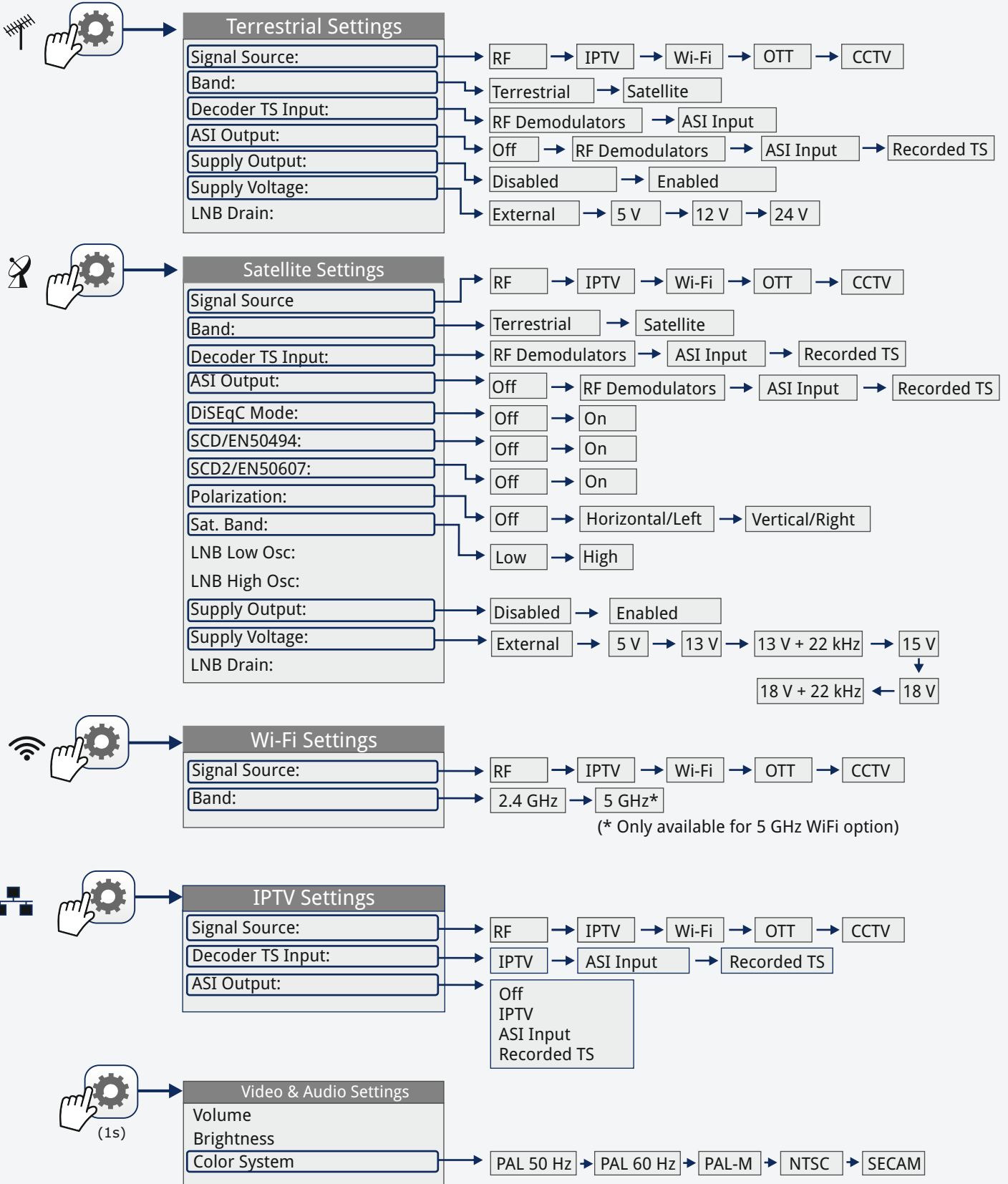
▶ PREFERENCES MENU



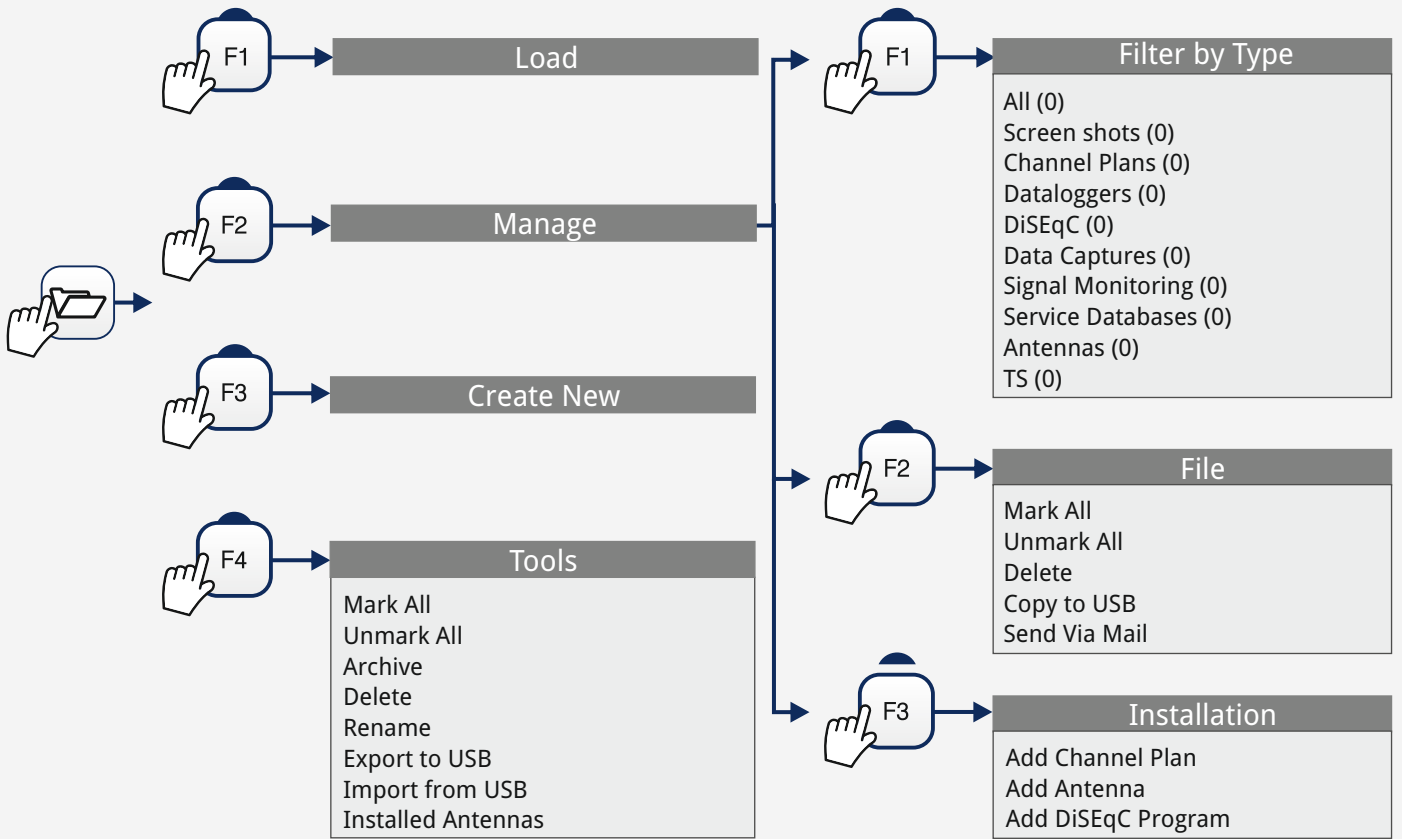
Preferences																
Equipment	<table border="1"> <tr> <td>Provider Name</td> <td>SN Release</td> <td>Date Free System Memory</td> <td>Free Data Memory Company</td> <td>Usuario</td> </tr> </table>	Provider Name	SN Release	Date Free System Memory	Free Data Memory Company	Usuario										
Provider 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> <td>Moni. ddbb loc. Watchdog</td> </tr> <tr> <td>Data base services:</td> <td>LTE Filter F. Min:</td> <td>Center Freq:</td> <td></td> </tr> </table>	Datalogger PSI:	Export button:	LTE Filter F. Max:	Moni. ddbb loc. Watchdog	Data base services:	LTE Filter F. Min:	Center Freq:								
Datalogger PSI:	Export button:	LTE Filter F. Max:	Moni. ddbb loc. Watchdog													
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>	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															
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MAC:	DHCP:	IP Address:	Mask	Gateway:	IGMP Version:											
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:															
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SNMP Configuration	SNMPv1	SNMPv2														
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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														



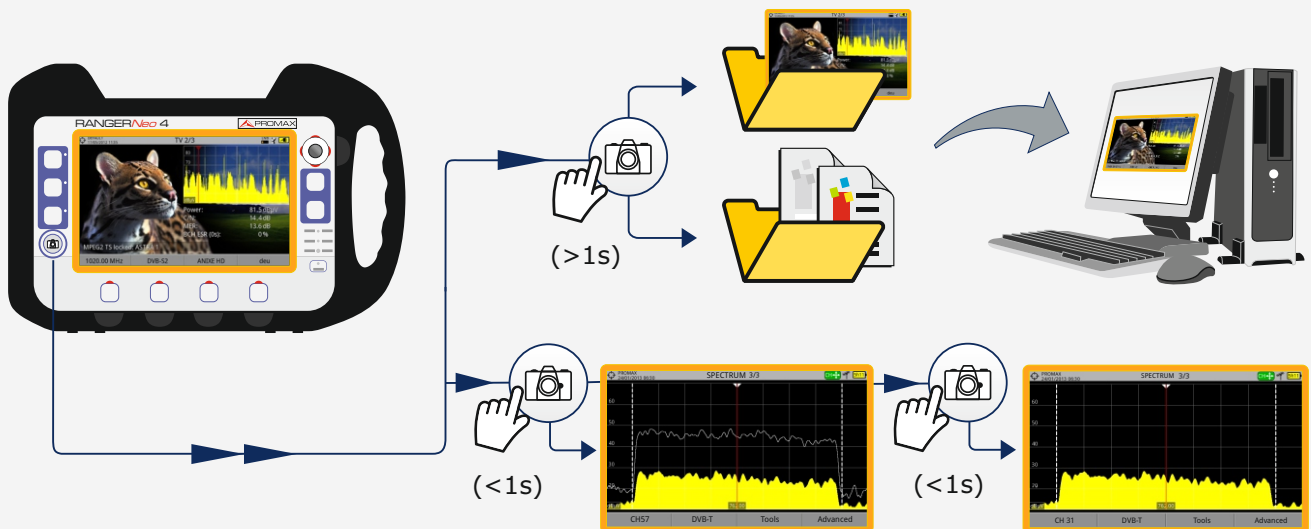
SETTINGS MENU



INSTALLATION MANAGEMENT



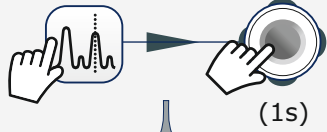
EXPORT* IMAGE / DATA / SPECTRUM REFERENCE



* Export settings in Preferences

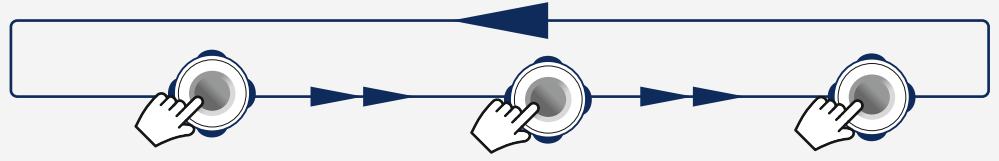


▶ JOYSTICK



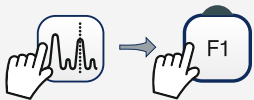
Joystick configuration

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)

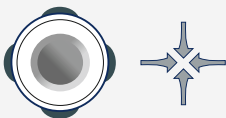
PARAMETER EDITION



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 ●



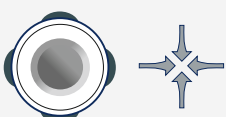
Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.00 MHz ●



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

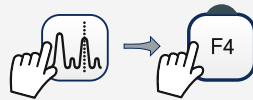


Tuning	
Channel:	44
Channel Plan	CCIR ▶
Tune By:	Channel ▶
Center Freq:	658.10 MHz ●



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

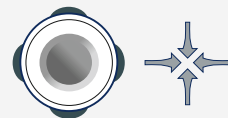
PARAMETER SELECTION



Advanced	
Average	0 ●
Spectrum Line	Outline ▾



Advanced	
Average	0 ●
Spectrum Line	Outline ▾



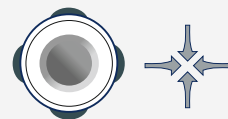
Advanced	
Average	0 ●
Spectrum Line	Outline ▾

- Outline
- Solid
- Trans.



Advanced	
Average	0 ●
Spectrum Line	Outline ▾

- Outline
- Solid
- Trans.

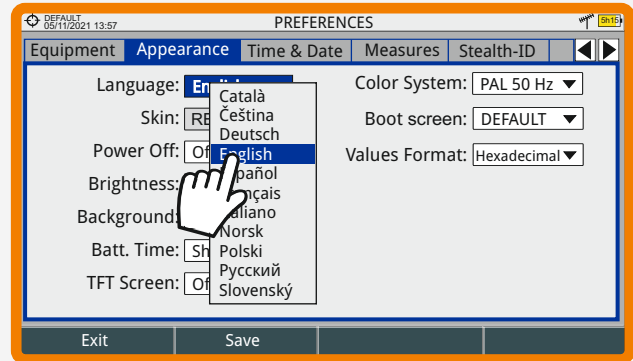
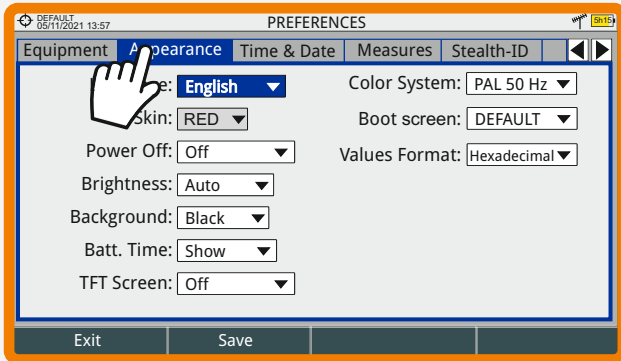


Advanced	
Average	0 ●
Spectrum Line	Solid ▾

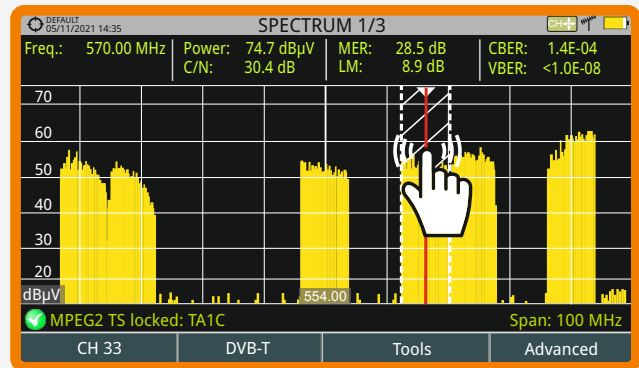
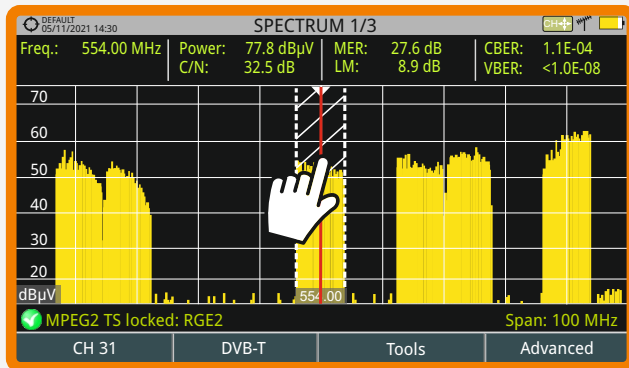


TOUCH SCREEN

MENU SELECTION



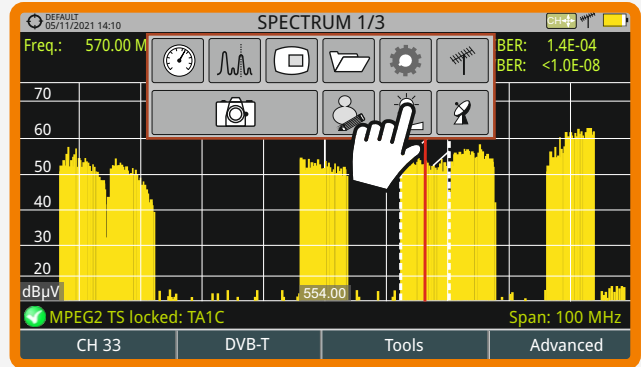
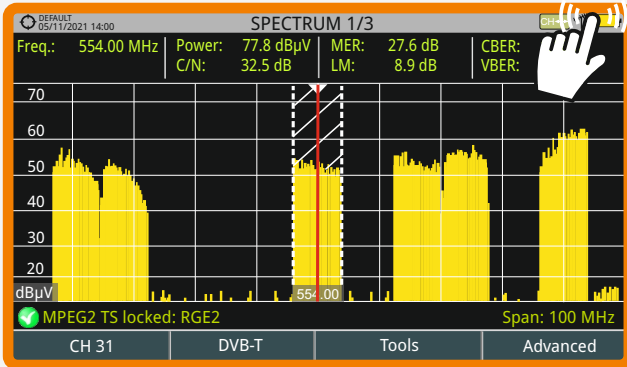
FREQUENCY SELECTION



VIRTUAL KEYBOARD WRITING



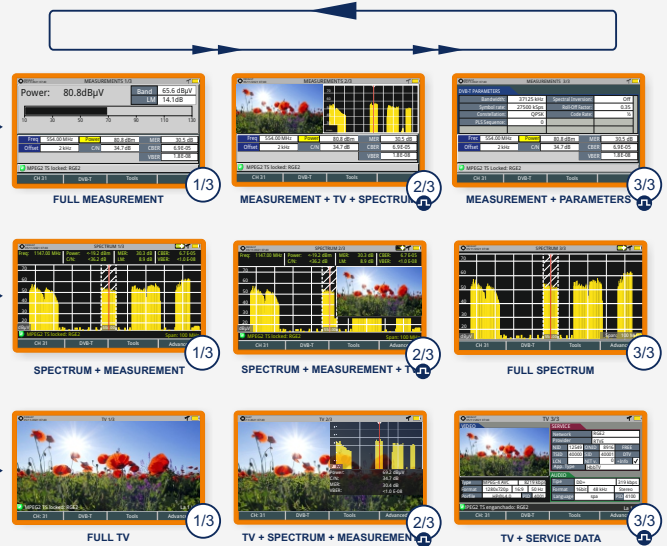
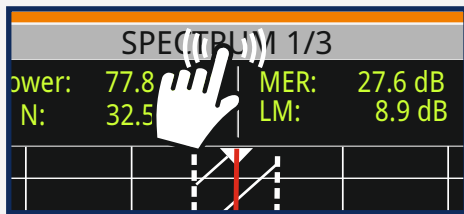
TOOLBAR



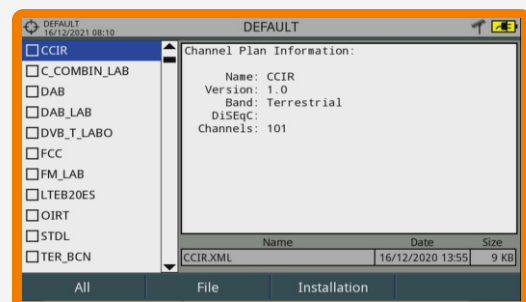
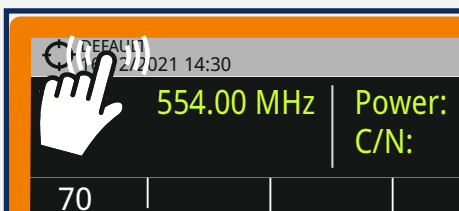
TOOLBAR ICONS

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

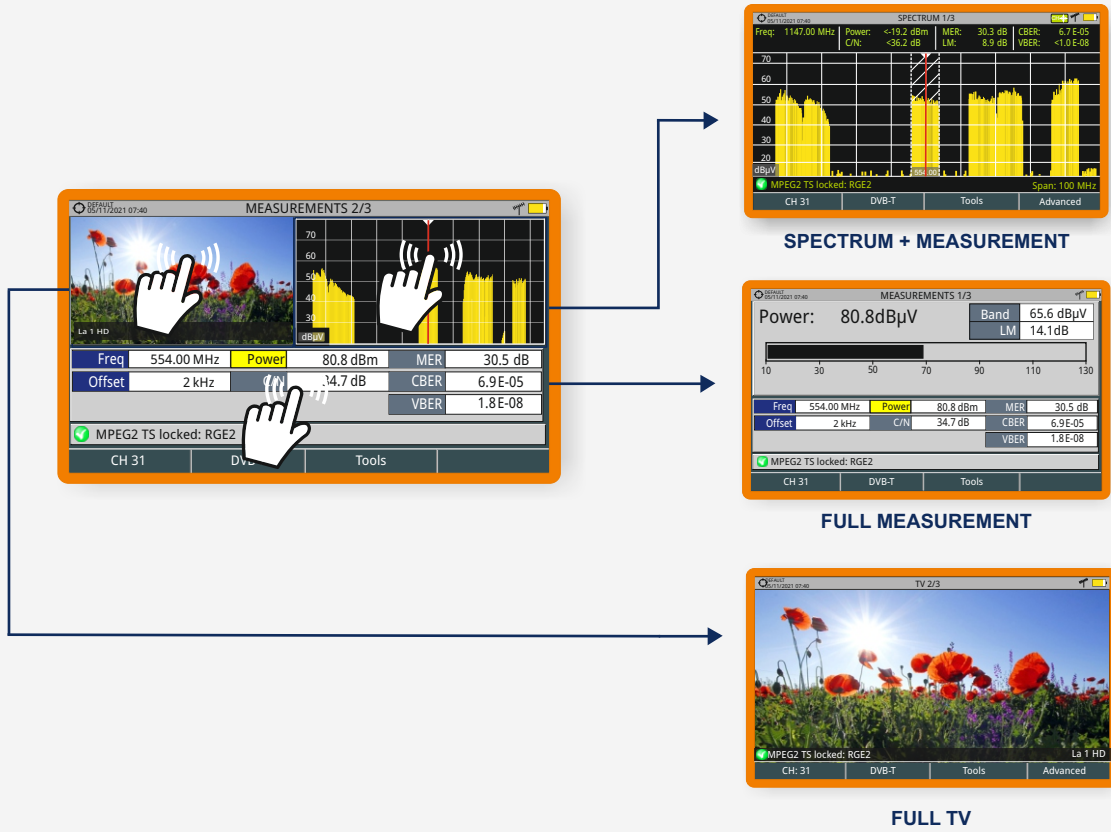
MODE SCREENS



INSTALLATIONS MANAGEMENT



▶ ONE-TOUCH ZOOM IN



TOP VIEW



15 FC-APC connector (optical signal input) *

16 1PPS (pulse per second) input connector

17 SMA connector (RF aux. Input signal) *

18 RF input connector

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

SIDE VIEW



- 18 Power input connector
- 19 ETHERNET connector
- 20 ON/OFF button
- 21 Video/Audio input
- 22 ASI-TS input
- 23 ASI-TS output
- 24 HDMI output
- 25 USB connectors
- 26 ETHERNET connector for PC (Webserver**, NetUpdate)
- 27 Input connector for CAM module*

* not included ** password: Password



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).

