STARTING UP THE FIELD STRENGTH METER FOR THE FIRST TIME

Switch on / off
Press for 1 second.

Touch screen
Touch the function

Information Bar
Current state of the equipment.

Swipe down the Information Bar
to view the config menu and notifications

(<1s)

Default   18:45:00 PM 🔋 40%

Smart Battery
Remaining battery time.

Information bar

12 V input
AL-103 External DC charger

Shut down or restart
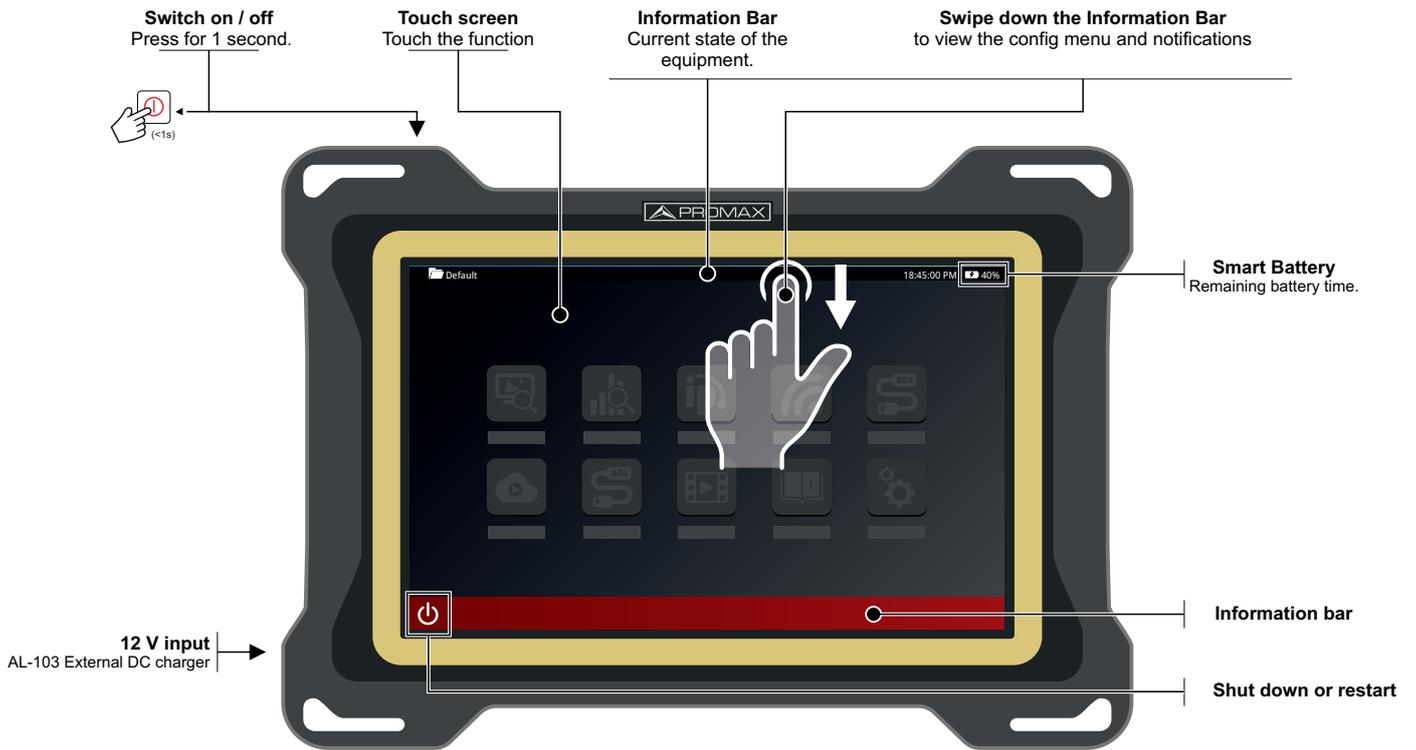
HOW TO WORK WITH THE CUSTOMIZABLE ADJUSTABLE PANELS

① ② ③ ④

Default   🟢 📺 15:53:35 🔋 75% (2:54h)

❤ Video   ➕   ▼ Spectrum   ⚙ ➕

-22 dBm

CNN4K

▼ Measures	➕
POWER	-23.8 dBm
C/N	32.7 dB
MER	29.1 dB
✅ LM	12.7 dB
⚠ CBER	1.9e-04
✅ VBER	<1.0e-08

FR: 658.09 MHz   CF: 656.29 MHz   Span: 18.21 MHz   Att: 25

🏠 ➖ 658.09 MHz ➕ ✅ ATSC3   PLP: 0   CNN   19.96 Mbps

① **Change the mode / tool function** displayed on this

② **Maximize** this panel.

③ **Configure** the options on this panel tool.

④ Show this panel in **full-screen** mode or **restore** its original position.

INFORMATION BAR

🖐 Touch to view **tuning settings**

The **background color** indicates the demodulator status

Unlocked	Locked

🏠 Return to the main screen.

Note: Some of the connections or functions described in this quick guide may not be available in all versions of the test instrument.

SIGNAL INPUTS AND OUTPUTS
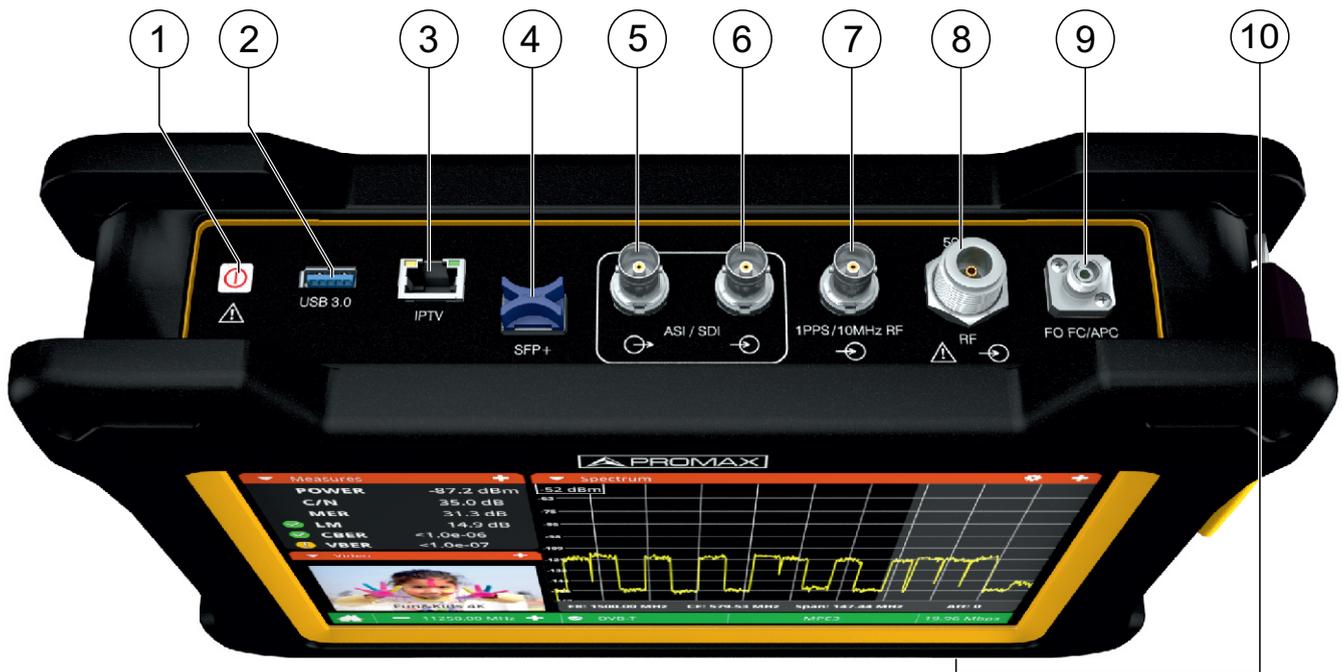
1 **ON/OFF.** Hold down for a second to connect or disconnect the equipment.

2 **USB 3.0 port** for WiFi dongles, GPS receivers or to increase the memory of the device with USB sticks.

3 **RJ45 connection** for analysis of IP television signal (IPTV) or OTT television.

4 Reserved **SFP+ port** for specialized Small Form-Factor Pluggable interfaces.

5 **ASI / SDI** signal output.

6 **ASI / SDI** signal input.

7 1 PPS or 10 MHz **GPS** reference synchronization signal input.

8 **Radio frequency (RF) signal** input

9 **Fiber optic*** input . The equipment incorporates an optical to RF converter.

10 Slot for **CAM modules** that with an appropriate Smart Card allows decoding encrypted signals.

DATA INTERFACES

1 Output with **HDMI™** technology (supports HDMI 1.4 b with 2.9 Gb/s and up to 3840 x 2160 @ 30 Hz).

2 **USB Host / Device connection** (selectable).

3 **RJ45 connection** for remote control.

4 Analog **Video**/**Audio I**nput and Output

5 Connection for **external DC charger**.

6 LED **battery status indicator**.

- ● Low charge level (below 30%).
- ● Medium charge level (greater than 30%).
- ● High charge level (greater than 75%).
- ☀ Battery error (indicator blinks).
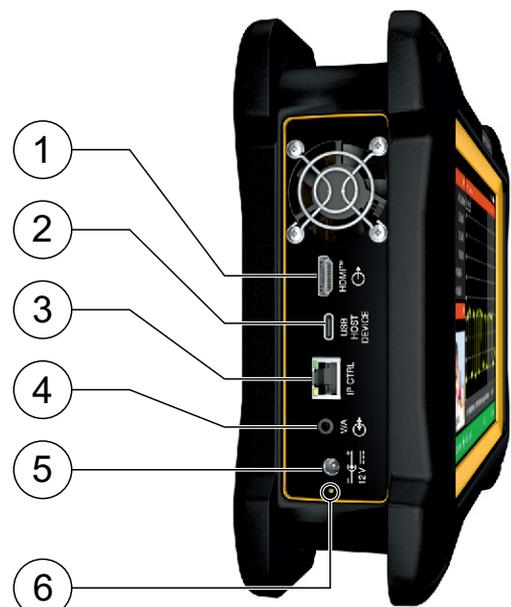
Note: Some of the connections or functions described in this quick guide may not be available in all versions of the test instrument.

TOUCH GESTURES FOR THE SPECTRUM ANALYZER

Place the cursor on the point clicked

Reduce or widen the SPAN

Reduce or expand the reference level

Scroll the spectrum graph horizontally or vertically

SCREEN ICONS REFERENCE

INTEGRATED ATTENUATORS

ATT The input signal has an **adequate level**.

ATT The input signal is **over-attenuated**.

ATT The input signal **is saturated**.

INPUT IMPEDANCE

50·75Ω Impedance indicator. RF input impedance 50 or 75 Ω

SMART BATTERY

Battery in use. The remaining estimated battery operating time is displayed.

Charging battery. The equipment is connected to the mains.

SIGNAL QUALITY ACCORDING TO THRESHOLDS

Correct quality according to a user-defined threshold.

Quality **at the limit** of the acceptable value.

Not acceptable quality according to the user-defined threshold.

OUTDOOR UNIT POWER SUPPLY

LNB Power off.

13V Power **activated** with consumed **energy meter**. **13 V** indicates the selected output voltage.

13V Power supply and 22 kHz signal **activated** with the **energy of meter consumed**. **13 V** indicates the selected output voltage.

Service mode activated.

Note: Some of the connections or functions described in this quick guide may not be available in all versions of the test instrument.

MAIN MENU : TOOLS

TV ANALYZER

SPECTRUM ANALYZER

IPTV ANALYZER

ASI ANALYZER

SDI ANALYZER

USER'S MANUAL

SETTINGS

SWIPE DOWN MENU: INPUTS AND OUTPUTS

WorkSpace

USB HOST
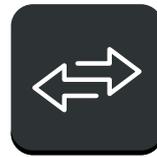
USB OTG

Ethernet

GPS

WIFI

HDMI

LNB Optical

ASI OUT

Antenna

Supply Output