

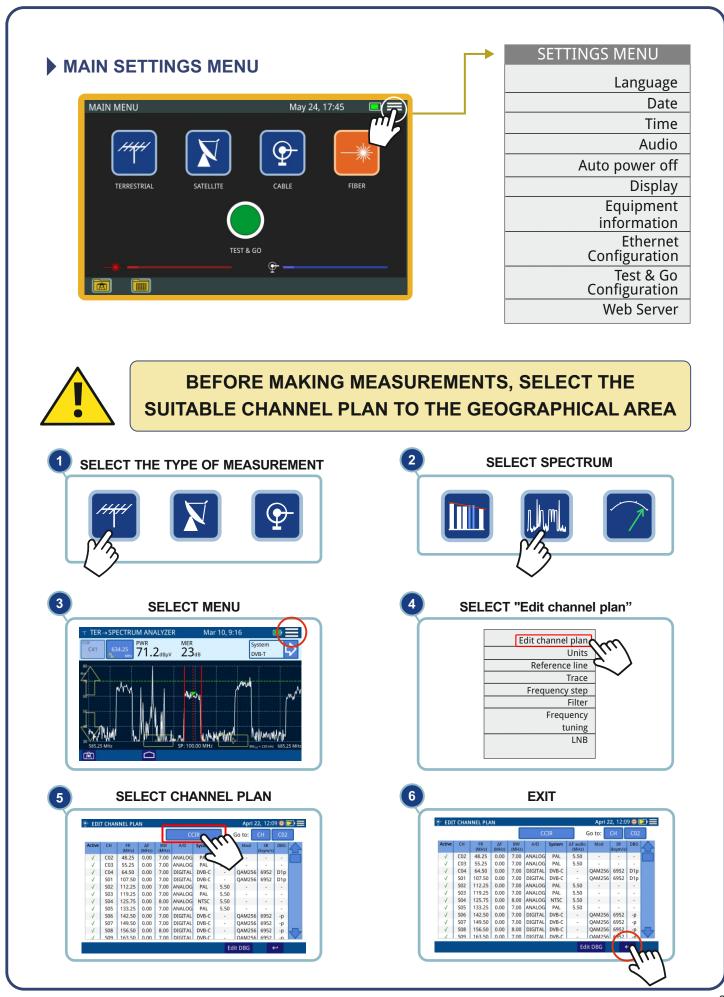
Find the user's manual on the download area at: www.promaxelectronics.com







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HHH TERRESTRIAL	SETTINGS MENU Language Date
デ MENU TERRESTRIAL 24 May, 17:45 ■ 戻 👘	Time
	Audio
	Auto Power off
	Display
SCAN SPECTRUM INPUT ANALYZER VOLTAGE	Equipment
ANALYZER VOLTAGE	information
	Ethernet configuration
TEST & GO	Test & Go
♀	configuration
	Web Server
1 2 3 4 5 6	SETTINGS MENU
T TER→CH/NNEL SCAN Apr 4, 14:16	Edit channel plan Units
ССС С30 569.00 DBG - РWR MER System Г. Мнг D- dB II. 7 dBmv dB II. U J83.B	Reference Line
40 ;	Trace
dBmý 30	Frequency step
	Frequency tunning
	LNB
8 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	Measurement range

1 Selected channel. When pressing on it deploys a list of available channels

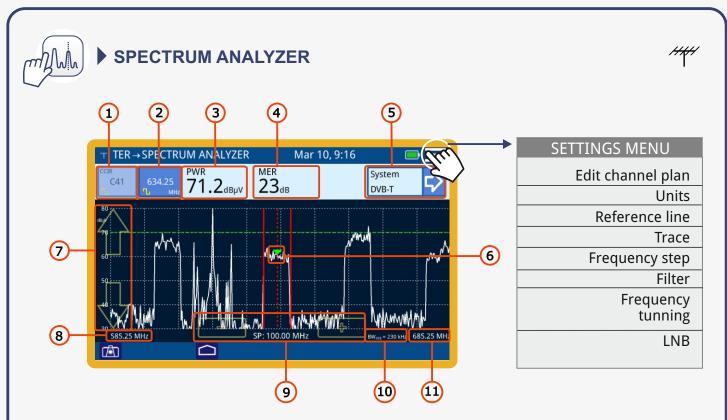
- **2** Frequency selected. When pressing on it pops up a virtual numeric keypad to edit frequency.
- **3** DOCSIS Bonding Group selected and carrier.
- 4 According to signal type:

Digital signal: Power for channel bandwidth or frequency. Analogue signal: Level for channel or frequency selected.

5 Measurement of the MER value for each one of the carriers.

- 6 Signal type. Access to measurements and constellation.
- 7 Marker for selected channel/frequency.
- 8 Span lower frequency.
- **9** Arrows to increase / decrease span. Current span.
- 10 Bandwidth resolution.
- 11 Span upper frequency.

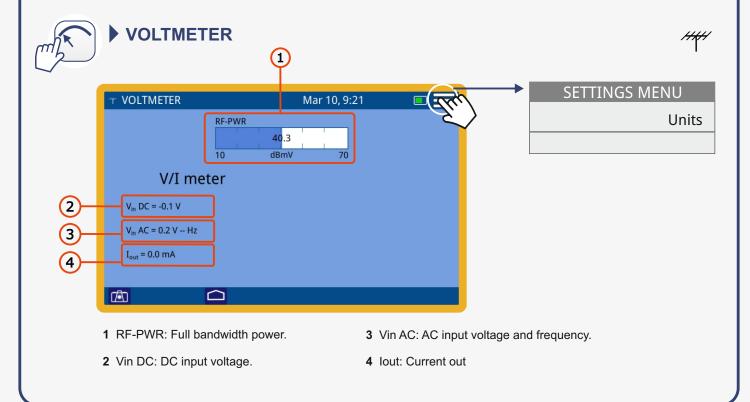




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- **2** Frequency selected. When pressing on, it pops up a virtual numeric keypad to edit frequency.
- 3 Channel bandwidth power or frequency.
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- **5** Signal type. Access to measurements and constellation.
- 6 Marker for the selected Channel / Frequency signal.

- 7 Arrows to change the reference level.
- 8 Lower frequency range of span.
- 9 markers to increase / decrease span Current span.
- 10 Bandwidth resolution.
- **11** Upper frequency range of span.



### QUICK REFERENCE GUIDE

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Edit channel plan

Reference line

Frequency step

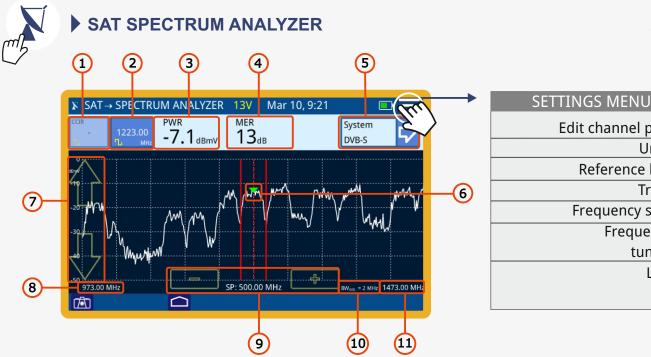
Frequency tuning

X

Units

Trace

LNB



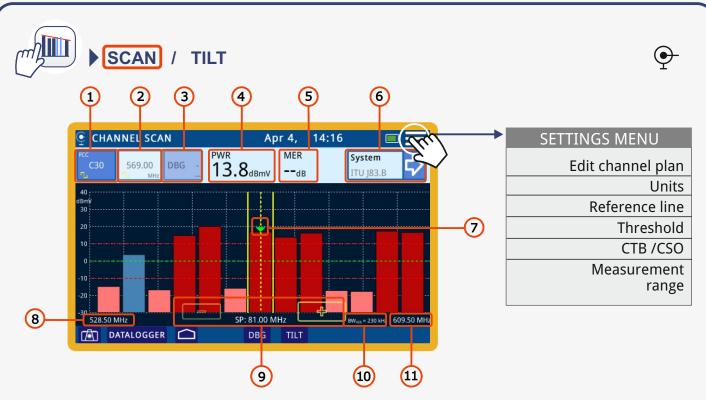
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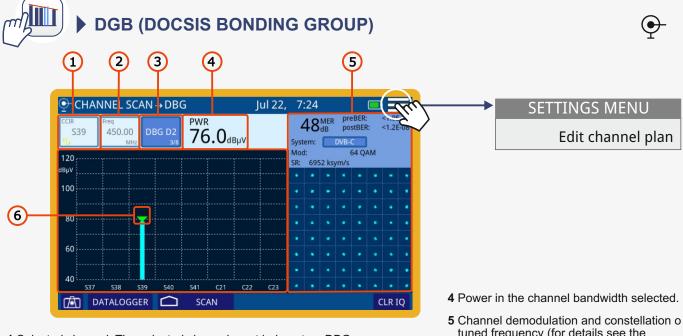
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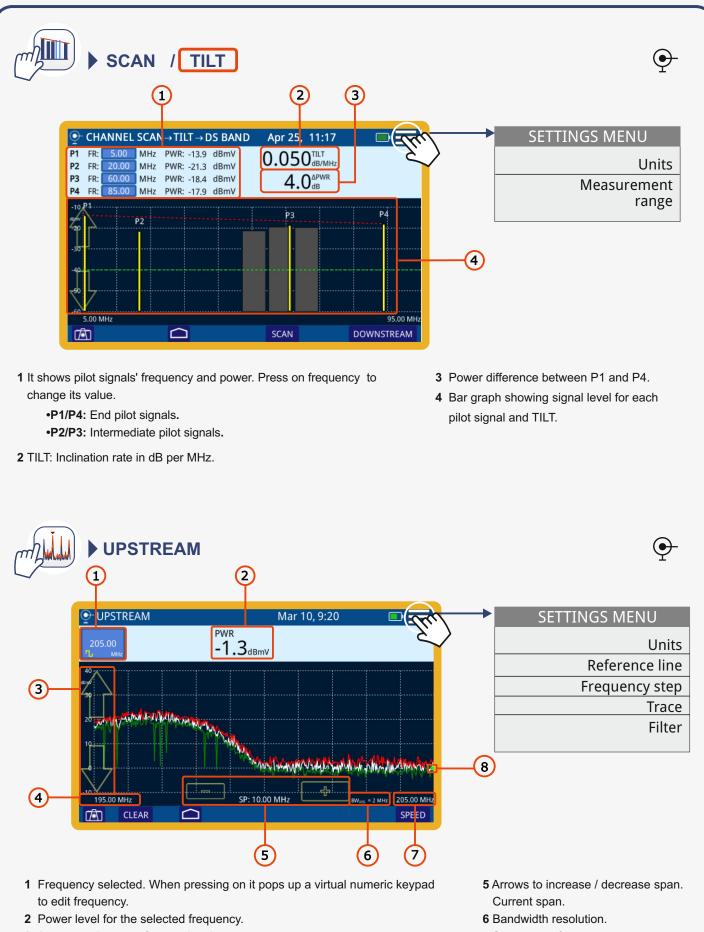
- 7 Marker for selected channel/frequency.
- 8 Span lower frequency.
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- 1 Selected channel. The selected channel must belong to a DBG.
- 2 Selected frequency. Pressing on it allows you to change the frequency using the virtual keyboard.
- 3 DOCSIS Bonding Group selected. When clicking on it, the list of available DBG groups appears.
- tuned frequency (for details see the "Demodulator" section in the user manual).
- 6 The graph shows the group of channels of the DBG. The marker is placed on the selected carrier.

#### QUICK REFERENCE GUIDE



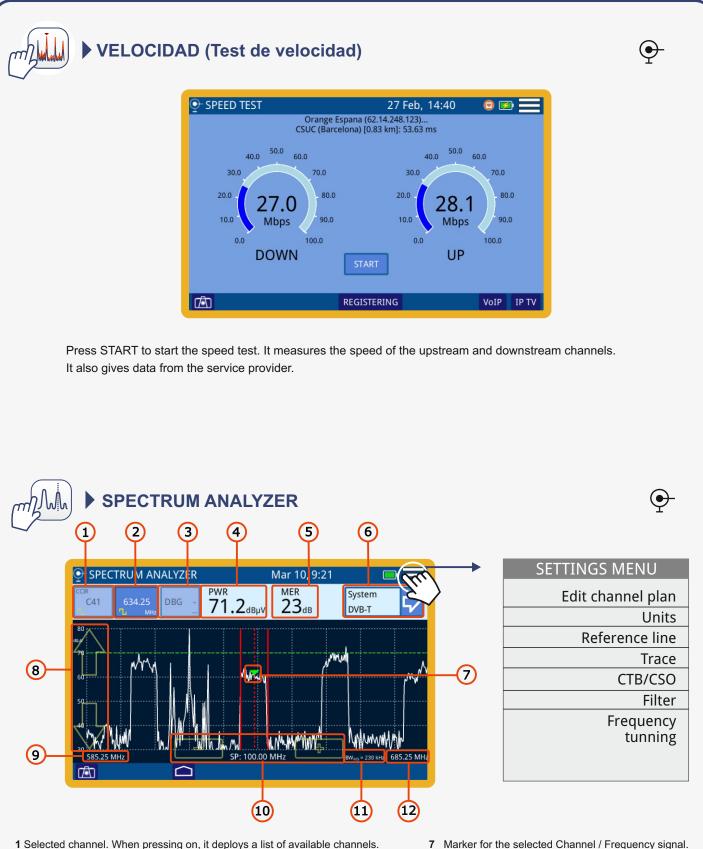


- 3 Arrows to change reference level.
- 4 Span lower frequency.

- 7 Span upper frequency.
- 8 Marker at the selected frequency.





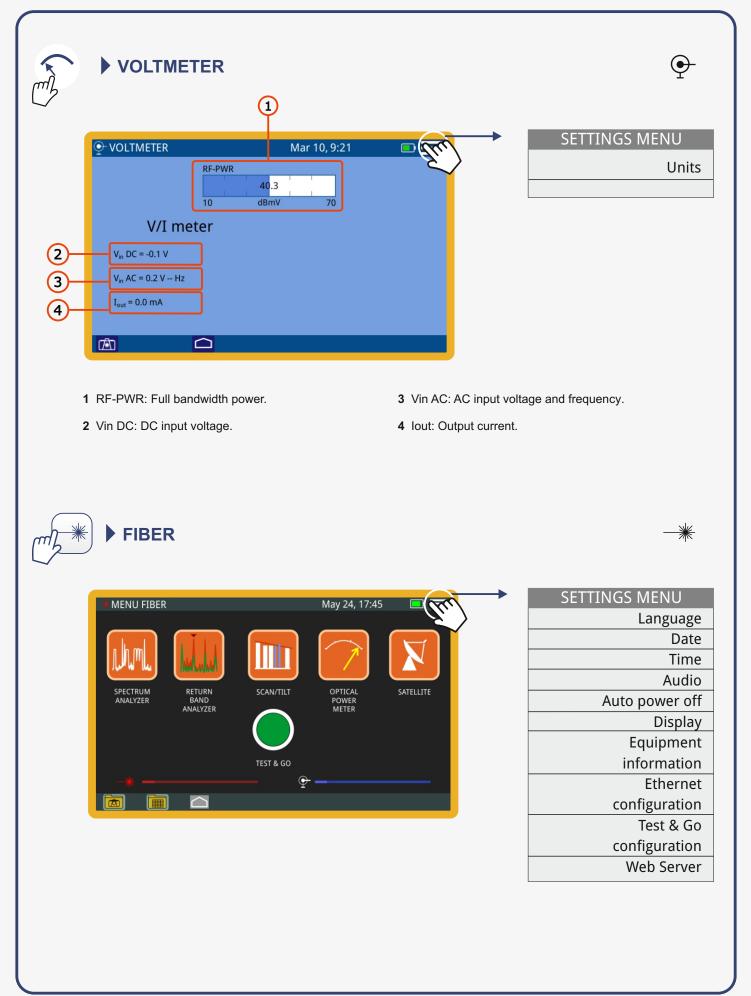


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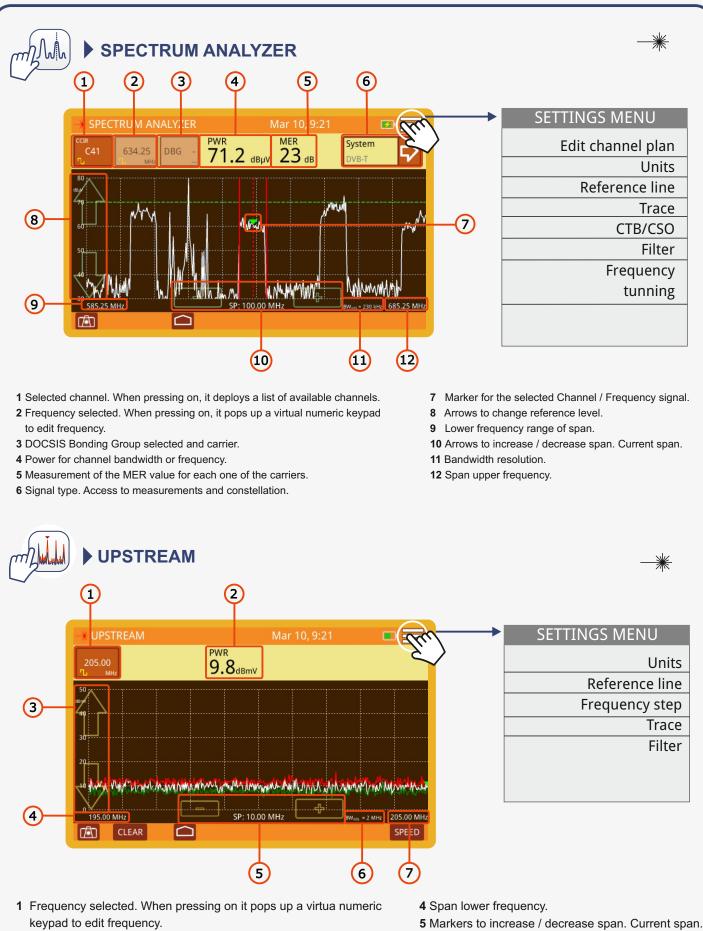


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#### QUICK REFERENCE GUIDE

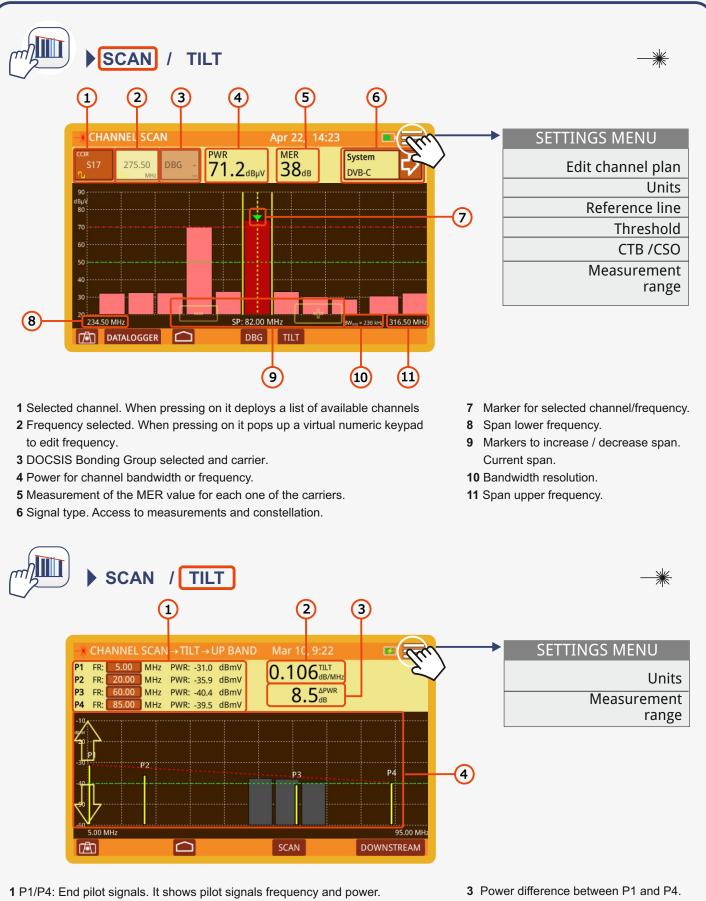




- 2 Level for the selected frequency.
- 3 Arrows to change reference level.

- 6 Bandwidth resolution.
- 7 Span upper frequency.

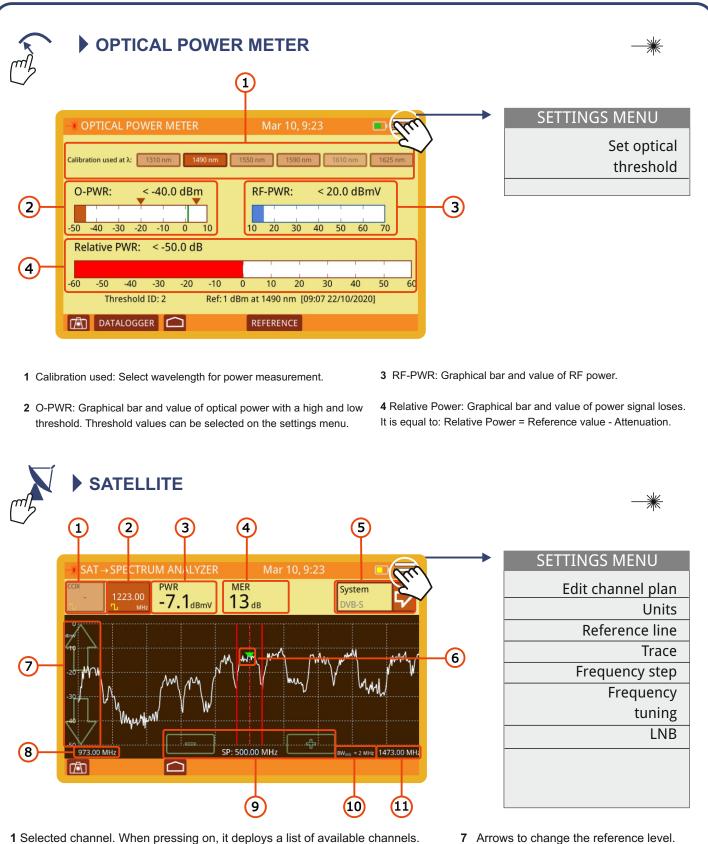




- P2/P3:Intermediate pilot signals. It shows pilot signals frequency and power. Press on frequency to change its value.
- 2 TILT: Inclination rate in dB per MHz.

**4** Bar graph showing signal level for each pilot signal and TILT.

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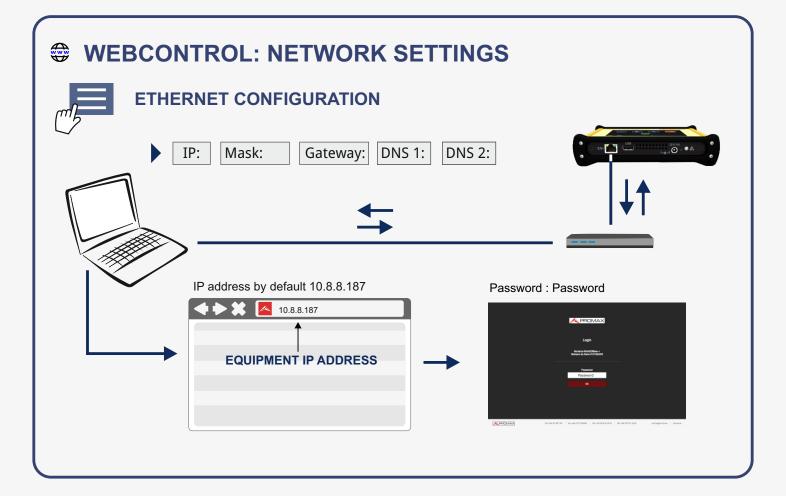


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QUICK REFERENCE GUIDE





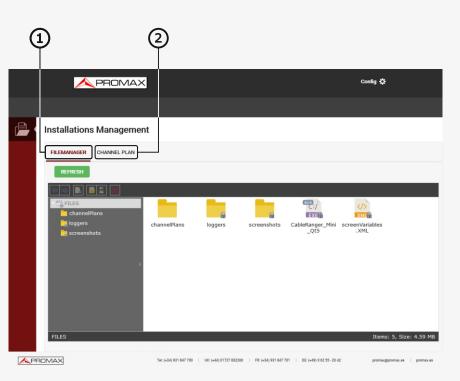
# WEBCONTROL: UTILITIES

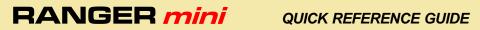
#### **1 FILEMANAGER**

- Upload and download files between the RANGER mini and the PC.
- View screenshots.
- Launch the CHANNEL PLAN editor to modify the CHANNEL PLAN in the device memory.

#### 2 CHANNEL PLAN EDITOR

- Create a channel plan with total control of all parameters of the channels.
- Edition of the launched channel plan from the file manager.







NOTES	







	Procedimiento de actualización del firmware del RANGER <u>mini</u>	RANGER <i>mini</i> firmware update procedure	RANGER <u>mini</u> Firmware-Update- Verfahren	Procédure de mise à jour du firmware de RANGER <i>mini</i>	Процедура обновления прошивки RANGER <u>mini</u>
0	Utilizar una memoria USB con formato FAT32.	Use a USB flash drive in FAT32 format.	Nur einen USB-Stick im FAT32 Format verwenden.	Utilisez une clé USB formatée en FAT32.	Используйте флэш- накопитель USB в формате FAT32.
2	Copiar en la raíz de la memoria USB el ar- chivo de la actualiza- ción (update_usb.tar). No descomprimir el archivo.	Copy the update file (update_usb.tar) to the flash drive root. Do not unzip the file.	Update-Datei (update_usb.tar) direkt ins Root-Verzeichnis des USB-Sticks kopieren (die Datei nicht entpacken).	Copiez le fichier de mise à jour (update_usb.tar) dans la racine de la clé USB. Ne décompressez pas ce fichier.	Скопируйте файл обновления (up- date_usb.tar) в корневой каталог ф леш-накопителя (не распакуйте файл).
3	Apagar el RANGER mini e insertar la memoria en el puerto USB.	Turn OFF the RANGER miniand insert the flash drive into the USB port slot.	RANGER mini ausschalten und dann der USB-Stick in die USB- Schnittstelle einstecken.	Éteignez le RANGER mini et branchez la clé dans le port USB du mesureur.	Отключите RANGER mini и вставьте флэш-накопитель в слот USB-порта.
4	Encender el RANGER mini. Se iniciará el pro- ceso de actualización. Esperar hasta que aparezcan las indica- ciones "SWITCH OFF" y "SWITCH ON".	Turn ON the RANGER mini. The update process will start. Wait until the screen displays the messages "SWITCH OFF" and "SWITCH ON".	Den RANGER mini. Der Update-Vorgang startet, warten Sie dann bis das Display "SWITCH OFF" und "SWITCH ON" anzeigt.	Allumez le RANGER mini. Le processus de mise à jour démarrer. Attendre jusqu'à ce que l'écran affiche les messages «SWITCH OFF» et «SWITCH ON».	Включите RANGER <i>mini</i> . Начнется процесс обнов- ления. Подождите, пока на экране не появятся со- общения выключить «SWITCH OFF» и Вклю- чить «SWITCH ON».
6	Extraer la memoria USB.	Remove the flash drive.	USB-Stick entfernen.	Débranchez la clé USB.	Удалите флешку.
6	Pulsar la tecla de apagado durante más de 5 segundos hasta que el equipo se apague.	Press the ON/OFF but- ton for more than 5 se- conds until the equipment turns OFF.	EIN/AUS Schalter länger als 5 Sekunden gedrückt halten, bis sich das Gerät vollständig abschaltet.	Gardez le bouton de marche/arrêt enfoncé pendant 5 secondes jusqu'à ce que le mesureur s'éteigne.	Нажмите кнопку ON/OFF в течение более 5 секунд, пока оборудование не выключится.
O	Encender el equipo de nuevo.	Turn ON the equipment as usual.	Das Gerät wie gewohnt einschalten.	Allumez le mesureur normalement.	Включите оборудование, как обычно.

v10.2.7





Puede encontrar el manual de usuario en la sección de descargas de: www.promax.es

25-04-2022 (0 DG0332)



DESCARGA DE MANUAL