

Installation Instructions

Division
Radiomonitoring and Radiolocation

IF PANORAMA

R&S® EB200SU

4052.3206.02



ROHDE & SCHWARZ

R&S® ist eingetragenes Warenzeichen der Fa. Rohde & Schwarz GmbH & Co. KG.
Eigennamen sind Warenzeichen der jeweiligen Eigentümer.

R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG.
Proper names are trademarks of the respective owners.

Printed in the Federal
Republic of Germany

Rohde & Schwarz GmbH & Co. KG
Mühdorfstraße 15
D-81671 München
www.rohde-schwarz.com

IF spectrum (option)

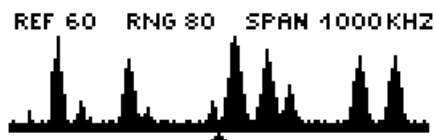
Prerequisite: Software update with version 2.10

The width of the IF panorama display can be adjusted and is displayed.

The setting range is 150 Hz to 1000 kHz in 17 steps.

The current reference level, the possible level range and the current width are displayed above the panorama display.

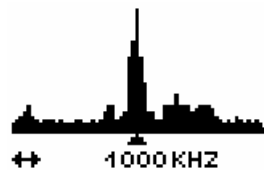
Appearance of IF- PAN display



Resolution: Vertically using 30 pixels and horizontally using 128 pixels (selectable frequency range).

Appearance of the DEFAULT display

TUNING AID: IF PAN



Resolution: Vertically using 30 pixels and horizontally using 64 pixels (selectable frequency range).

DISPLAY (display variants)

This menu is obtained by pressing the DISPLAY softkey in the MAIN menu.

| | | | | | |
|---------|---------------|---------|--------|----------|---------|
| 120 KHZ | FM | MGC OFF | SQU 48 | TONE OFF | LOCK |
| OFF | 1 234.567 000 | | | | * |
| AFC | 0 20 40 60 80 | | | | * |
| AVG | 999 □ | | | | DISPLAY |
| DEFAULT | IF-PAN | LEVEL | TONE | CONFIG | MORE |

With this menu, an number of display variants can be selected quickly.

DEFAULT - CONFIG

This menu is obtained by pressing the CONFIG softkey in the DISPLAY menu

| | | | | | |
|---------|---------------|---------|----------|----------|---------|
| 120 KHZ | FM | MGC OFF | SQU 48 | TONE OFF | MODE |
| OFF | DISPLAY MODE: | | INVERSE | | |
| AFC | ILLUMINATION: | | STEP 6 | | |
| AVG | SWITCH OFF: | | NEVER | | DISPLAY |
| 999 | TUNING AID: | | SYMBOLIC | | DEFAULT |
| | PAN RANGE: | | 500 KHZ | | CONFIG |

TUNING AID: Display variations of frequency offset NUMERIC, SYMBOLIC,



IF PAN (option) ↔ 1000KHZ

PAN RANGE: Display range of the IF spectrum settable in 17 steps from 150 Hz to 1000 kHz.

IF-PAN (IF panorama)

This menu is obtained by pressing the IF PAN softkey in the DISPLAY menu, provided the optional hardware EB 200 SU (IF panorama) is installed.

Software update with version 2.10.

| | | | | | |
|---------|--------|---------|--------------|----------|---------------|
| 120 KHZ | FM | MGC OFF | SQU 48 | TONE OFF | LOCK |
| OFF | REF 20 | RNG 30 | SPAN 1000KHZ | | 1 234.567 000 |
| AFC | | | | | 60.0 dBµV |
| AVG | | | | | |
| 999 | | | | | |
| DEFAULT | IF-PAN | LEVEL | TONE | CONFIG | MORE |

IF-PAN (IF panorama) - CONFIG

This menu is obtained by pressing the CONFIG softkey in the IF-PAN menu.

| | | | | | |
|----------|--------|---------|--------------|----------|------------|
| 0.15 KHZ | FM | MGC OFF | SQU OFF | TONE OFF | REF |
| OFF | REF 20 | RNG 30 | SPAN 1000KHZ | | 98.500 000 |
| AFC | | | | | DISPLAY |
| AVG | | | | | |
| 0 | | | | | |
| MIN | MAX | AVG 100 | | | |

REF: The reference level sets the maximum level value that can be displayed. It can be set within a range of -20 to 120 dBµV in steps of 10 dB.

RNG: The range value sets the range that can be displayed on the y axis. It can be set within a range of 10 to 160 dBµV in steps of 10 dB.

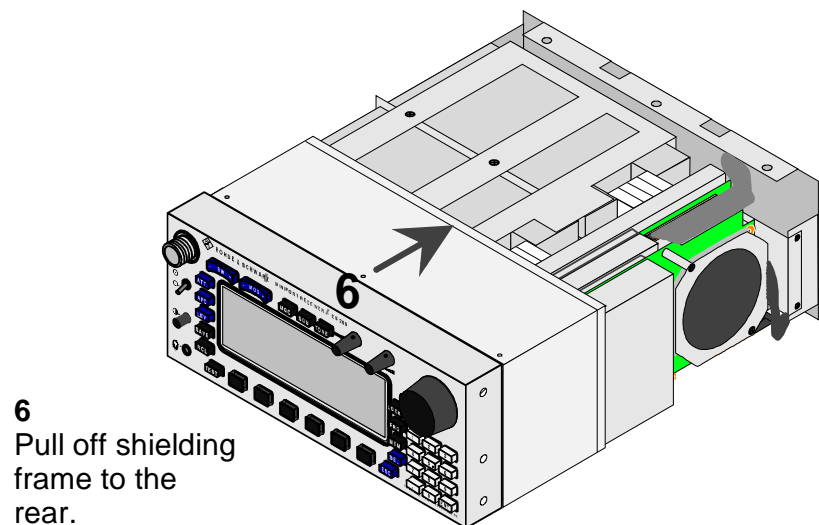
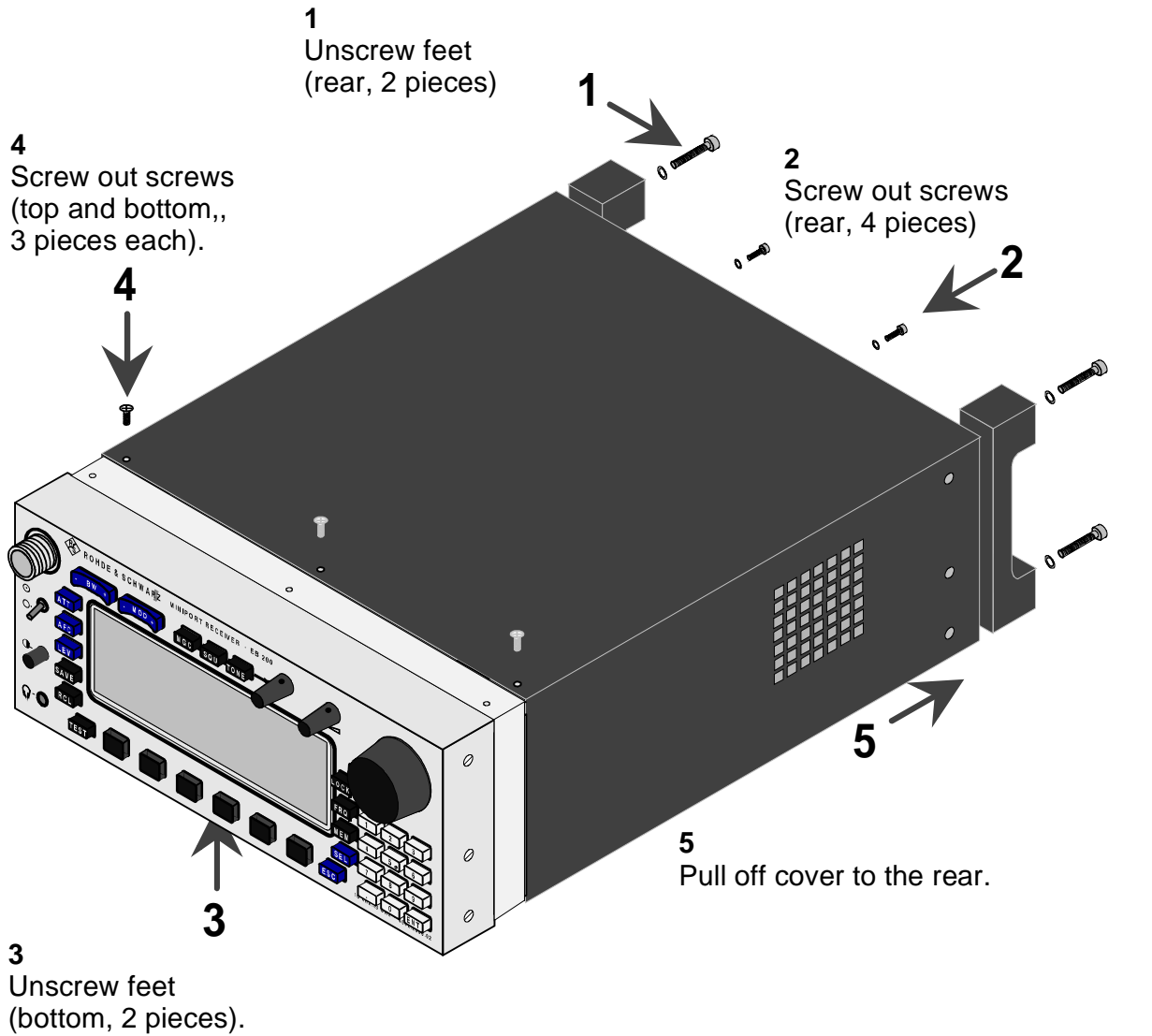
SPAN: The Span sets the width that can be displayed in the IF panorama in 17 steps within the range of 150 Hz to 1000 kHz. In the COUPLED mode the displayed width equals the width of the cut-in IF filter.

Softkeys

| | |
|-----|--|
| MIN | Starts the MIN-Hold process. Every time this key is pressed the MIN-Hold process is restarted. |
| MAX | Starts the MAX-Hold process. Every time this key is pressed the MAX-Hold process is restarted. |
| AVG | Activates averaging, 3 possibilities: OFF; AVG 100; AVG 500 (msec) |

Module Exchange

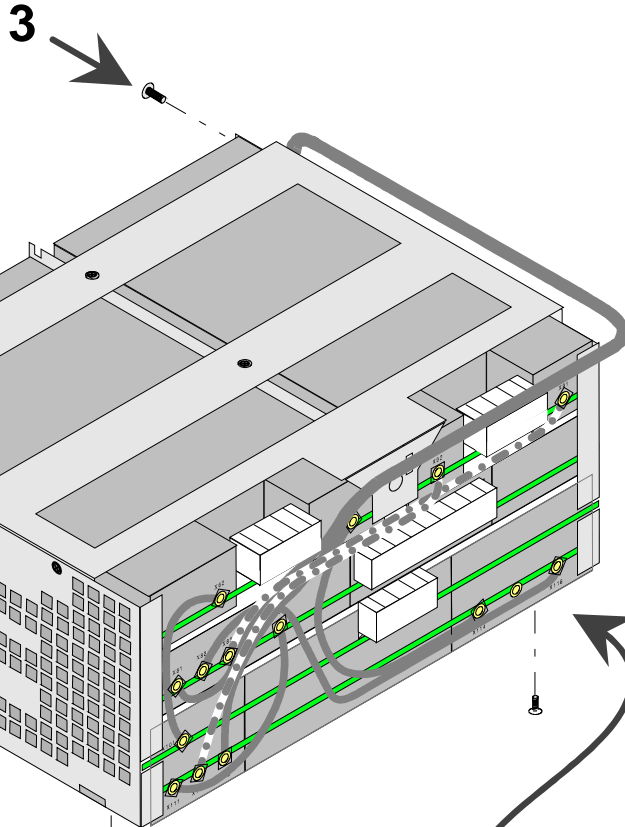
Opening the Unit



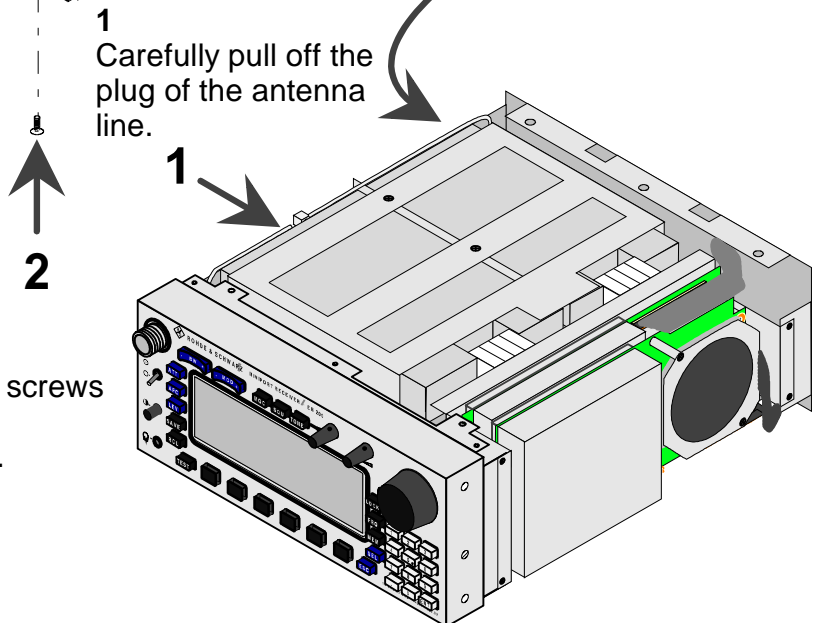
Preselection, Frontend, IF Section, IF Panorama (Option)

In the illustration below the IF panorama option is already fitted.

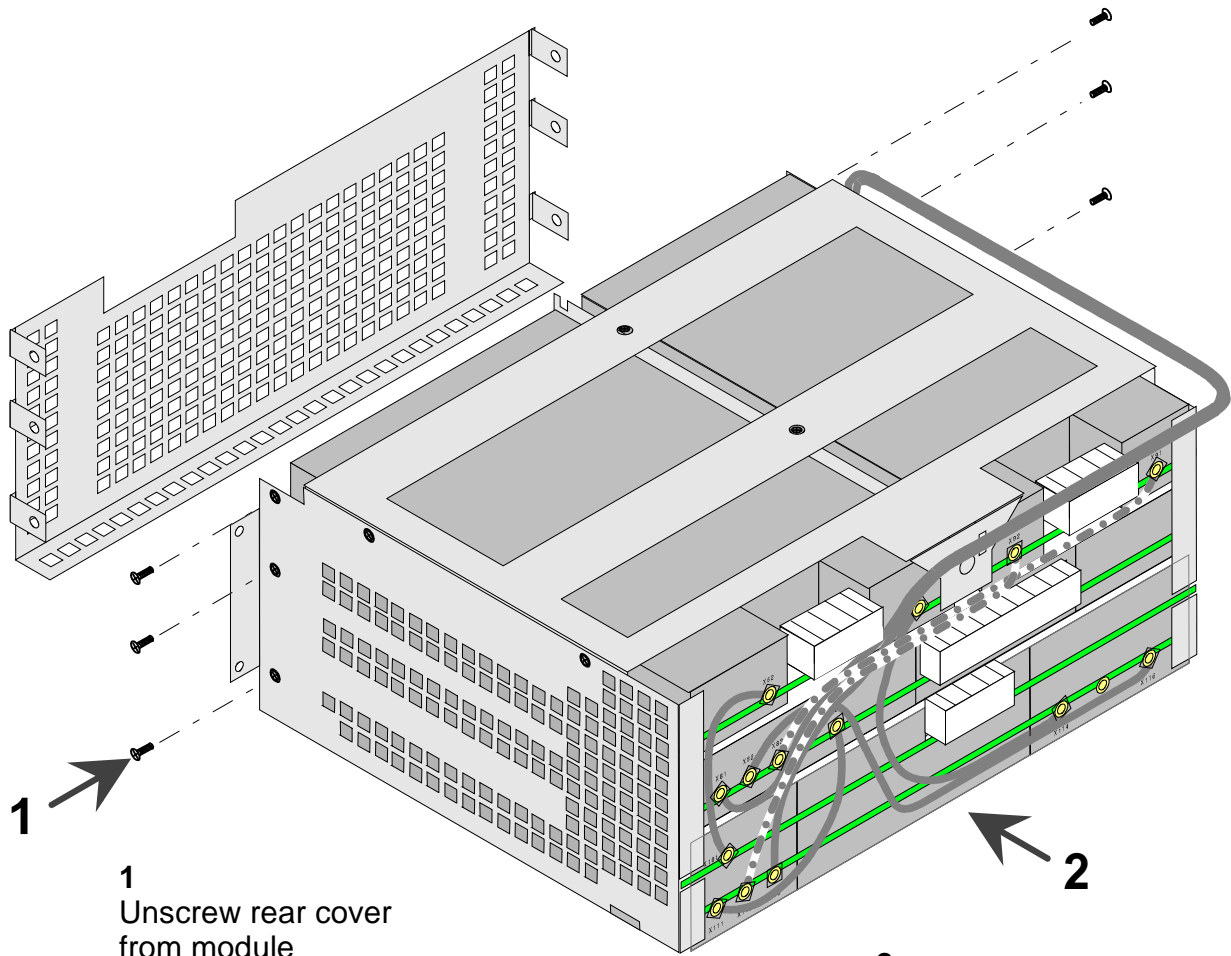
3
Screw out the screws
(4 pieces) and pull out
the modules with their
housing.



1
Carefully pull off the
plug of the antenna
line.



2
Screw out screws
at bottom
(2 pieces).



1
Unscrew rear cover from module housing. (3 screws at each side).

2
Pull off plug of module to be exchanged and push out module (see cable plan).

Cable Plan

