



## Single Remote Control Unit R&S®GB 3031R

- ◆ Remote control of all functions accessible from the radio's front panel
- ◆ Monitoring of audio signals from and to the radio, via the built-in loudspeaker or external handset/headset
- ◆ Volume control and muting of the built-in loudspeaker
- ◆ Remote voice communication by handset or headset
- ◆ Remote data communication via serial data interface for data terminals or PC
- ◆ Audio interface (600 Ω) for external audio equipment

The Single Remote Control Unit R&S®GB 3031R is intended for remote control and remote operation of one R&S®MR 3000 radio (manpack or installed in the Single Docking Station R&S®KG 3031A). Besides a built-in loudspeaker, the unit features a serial interface for connecting a data terminal or a PC, as well as an audio connector for R&S®M3TR handsets or headsets. Moreover, the unit is equipped with a line interface (600 Ω, 0 dBm) for connecting vehicle intercom systems, for example. The unit can be detached up to 12 m. Power is supplied by the connected radio so that no additional

power supply is required. Connection to the radio is provided by two cables, one exchanging remote control signals, the other carrying user data, audio signals and power supply.

The remote control unit uses the radio's removable front panel. The panel must therefore be removed from the radio and installed in the remote control unit. The control cable fits directly into the front-panel port of the radio.

The maximum distance between radio and remote control unit is 12 m.



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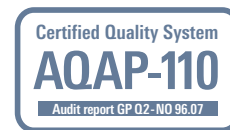
## Specifications

Electrical specifications	
Audio output power	2 W rms
Power supply	
Voltage	12 V to 33 V DC 24 V DC (nominal), supplied from the radio data connector
Current	<250 mA at 24 V DC
Volume control range	31 dB
Handset (600 Ω line)	typ. 11 dBm (radio direct connection)
Environmental specifications	
Temperature range	according to MIL-STD-810E methods 501.3 and 502.3
Operating temperature range	-40 °C to +70 °C
Fully specified temperature range	-25 °C to +55 °C
Storage temperature range	-40 °C to +85 °C
Temperature shock	acc. to MIL-STD-810E method 503.3
Shock	acc. to MIL-STD-810E method 516.4
Vibration	acc. to MIL-STD-810E method 514.4, category 8 (ground mobile) 20 Hz to 350 Hz, 0.02 g <sup>2</sup> /Hz
Watertightness	IP 44
Salt fog	acc. to MIL-STD-810E method 509.3
Humidity	acc. to MIL-STD-810E, method 507.3, proc III, 95 %, non-condensing
Sand and dust	acc. to MIL-STD-810E method 510.3
Fungus without protection caps	acc. to MIL-STD-810E method 508.4
Low pressure (altitude)	acc. to MIL-STD-810E method 500.3
Solar radiation	acc. to MIL-STD-810E method 505.3
Icing/freezing rain	acc. to MIL-STD-810E method 521.1
EMI	acc. to MIL-STD-461 class A3; harmonics, spurious, and transmission frequency excluded; RE 102, CS 114, RS 103, army platform (50 V/m)

Mechanical specifications	
Color	green RAL 6014
Dimensions (W × H × D)	215 mm × 120 mm × 104 mm
Weight (without front panel and cables)	1.85 kg

## Ordering information

Designation	Type	Order No.
The Single Remote Control Unit R&S®GB 3031R is available with cable sets in different lengths. The cable sets (control, audio, data) are included in the equipment supplied.		
Single Remote Control Unit for remote control of one R&S®MR 3000 transceiver (up to 12 m), includes loudspeaker, audio and RS-232-C interface	R&S®GB 3031R	
3.5 m cable		6131.7106.03
8 m cable		6131.7106.10
12 m cable		6131.7106.15



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