

R&S®M3SR GB4000C REMOTE CONTROL UNIT

The R&S®GB4000C remote control unit is used for controlling, configuring and monitoring R&S®M3SR radios via Ethernet. With its large and clearly arranged color display and software defined keys, this unit allows flexible and easy operation. The functionality is exclusively defined by the software loaded.



The R&S®GB4000C remote control unit is available as a standalone remote control unit and as an embedded local control panel for the R&S®M3SR Series4100 HF radio and the R&S®M3SR Series4400 VHF/UHF radio.

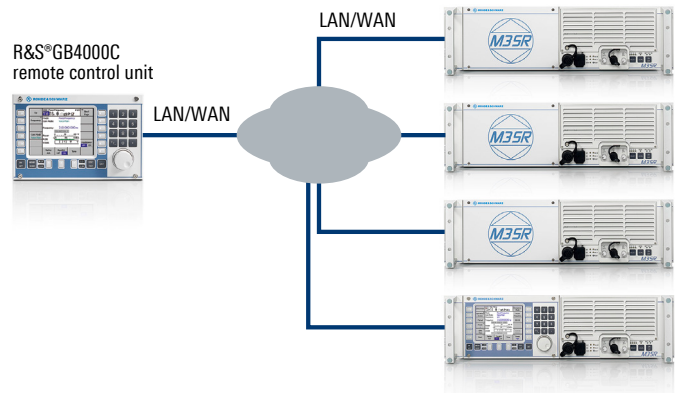
The control panel comes as a ruggedized version for demanding environmental conditions.

Key facts

- ▶ Control and monitoring of all operating modes and parameters manually and by presets via Ethernet link
- ▶ Monitoring of equipment status
- ▶ Acquisition/display of equipment configuration (inventory report)
- ▶ Manual setup of equipment configuration
- ▶ Control of different user levels with password protection
- ▶ Internal self-test functions (BITE)
- ▶ Long life and very low lifecycle costs

Remote or embedded operation of the R&S®GB4000C

The R&S®GB4000C can be operated as a standalone unit or integrated into an R&S®M3SR radio. It allows the remote control of many radio systems within a LAN/WAN network.



Data Sheet | Version 08.00

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SPECIFICATIONS

Specifications

General data

HMI

Display	5" color LC graphical display, ¼ VGA resolution, dimmable
Numeric keypad	telephone-compatible, illuminated, dimmable
Softkeys	15, illuminated, dimmable
Rotary knob	to adjust values
LEDs	BITE results, dimmable

Standard interface

LAN	D-Sub (9-contact), 10/100BASE-T, in line with Ethernet IEEE802.3, for controlling, configuring and monitoring R&S®M3SR radios and for remote software download to control unit
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Power supply

DC operation	18 V to 31 V, 28 V (nom.), in line with Directives 2004/108/EC and 72/23/EEC
Power consumption, DC supply	max. 17 W

Environmental data

Operating temperature range	-20°C (in line with MIL-STD-810H method 502.7 procedure II) to +55°C (in line with MIL-STD-810H method 501.7 procedure II)
Storage temperature range	-40°C (in line with MIL-STD-810H method 502.7 procedure I) to +70°C (in line with MIL-STD-810H method 501.7 procedure I)
Humidity	95% tailored to +55°C (in line with MIL-STD-810H method 507.6 procedure II) and +25°C/+55°C (in line with EN60068-2-30)
Dust and water protection	IP54, in line with EN60529
Permissible altitude	
Operation, permanent	5000 m above sea level (in line with MIL-STD-810H method 500.6 procedure II)
Transport	10000 m above sea level (in line with MIL-STD-810H method 500.6 procedure I)

Vibration

Sinusoidal	4 Hz to 50 Hz (in line with MIL-STD-810H method 528.1), in each of the three axes
Random	4 Hz to 100 Hz (in line with MIL-STD-810H method 514.8), in each of the three axes
Shock	40 g SRS shock (in line with MIL-STD-810H method 516.8 procedure I), in each of the three axes

EMI/EMC	in line with ETSI EN301489-1/22, in line with MIL-STD-461G: CE101 figure CE101-1, CE102 figure CE102-1, CS101 figure CS101-1 curve 2, CS114 figure CS114-1 curve 4, CS115 figure CS115-1, CS116 figure CS116-2, CS118, RE101 figure RE101-2, RE102 figure RE102-1, RS101 figure RS101-2, RS103 ships (metallic, below deck)
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Electrical safety	in line with EN62368-1
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Mechanical data

Dimensions (W × H × D)	202 mm × 131.8 mm × 83.5 mm (7.95 in × 5.19 in × 3.29 in), (½ 19")
Weight	max. 1.45 kg (3.2 lb)

ORDERING INFORMATION

Designation	Type	Order No.
Remote control unit, without audio, including software and LAN, DC, ruggedized	R&S®GB4000C	6186.6001.46
Mating connector set for R&S®GB4000C	R&S®ZF4410	6105.9011.04

Certified Quality Management
ISO 9001

Certified Environmental Management
ISO 14001

Certified Quality Management
AQAP-2110

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R&S®M3SR GB4000C Remote Control Unit
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