

HF Transceiver Family



R&S® XK 2000

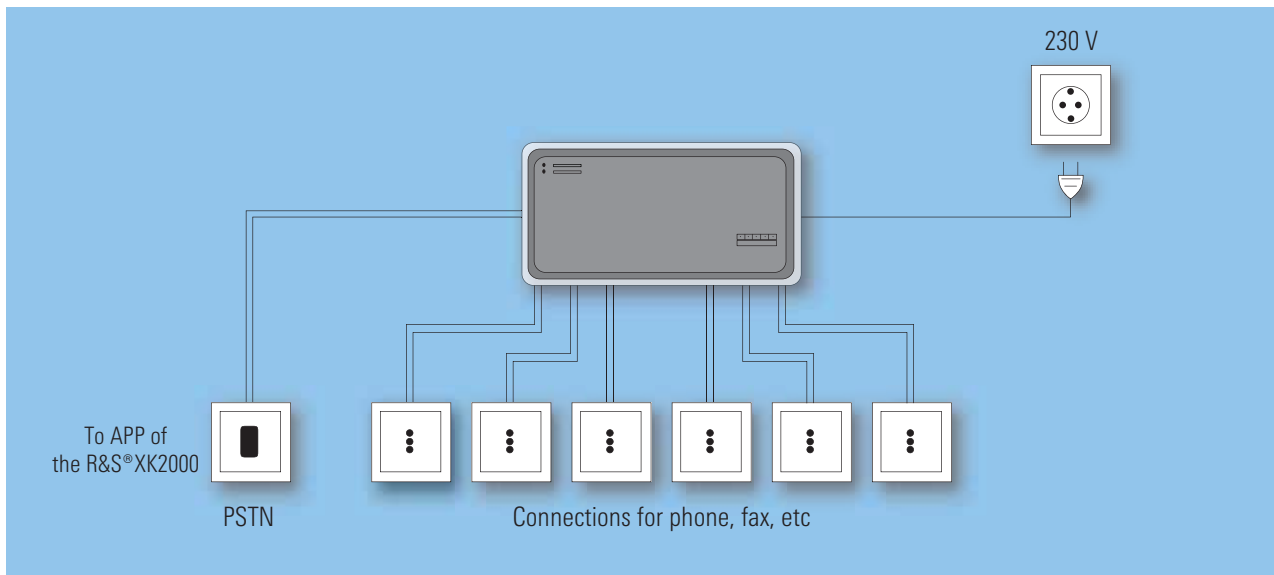


Telephone Exchange Set R&S® GA 2160

PABX and telephone set for advanced automatic telephone operation via R&S® XK 2000 radios



ROHDE & SCHWARZ



For the optional telephone-operated service within the R&S®XK 2000 family, the radio must be equipped with the internal ALE, APP and EMC filter ALE/APP options.

Moreover, the accessory Telephone Exchange Set R&S®GA 2160 – which consists of a PABX and a standard analog telephone set – must be connected to the telephone connection box of the APP. This assembly allows telephone-like operation of the entire radio system, with full radio operation (link setup), ringing, signaling and (semiduplex) operation from the telephone set.

To increase the number of subscribers or to provide access to the telephone network, other (larger-capacity) PABXs can be used, or a direct PSTN line can be connected to the APP's telephone connection box.

Note: Any access to a public telephone network must comply with local PTT regulations.

The technical interface specifications of the APP's telephone box are designed to comply with the German PTT regulations FTZ 1 TR 2 and FTZ 144 TV 41 regarding equipment connected to telephone lines, but the box is not officially certified.

The dialing tone is generated from the power line frequency. In order for the R&S®GA 2160 to function properly, all peripheral equipment (dial-up modem) must therefore be operated at the same power line frequency.

Specifications

Power supply		
Voltage		230 V AC $\pm 10\%$, 50 Hz
PSTN line		
Transfer technical		meets BAPT 223 ZV 5
Values		
Voltage at exchange		20 V to 75 V DC
Call impedance		approx. 17 k Ω at 25 Hz
Extension		
DC voltage		29 V to 38 V DC
Circuit current		approx. 23 mA
Operating range		2 \times 50 Ω , 790 m at 0.6 mm \varnothing
Call voltage		approx. 45 V (rms), 50 Hz
Reference tones		425 Hz $\pm 5\%$ interval $\pm 10\%$
Interface		
Serial interface		standard RS-232-C, V.24 for configuration with external PC
Environmental conditions		
Temperature range		
Operating		+0 °C to +40 °C (do not expose to direct sunlight!)
Storage and shipping		–20 °C to +70 °C
Humidity		10% to 75%, uncondensed
Other data		
Case size		217 mm \times 157 mm \times 63 mm
Weight		approx. 1050 g
Subscriber telephone set (1 \times)		Siemens Euroset 2015 (for example) or compatible

Ordering information

Telephone Exchange Set	R&S®GA 2160	6064.9507.02
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More information at
www.rohde-schwarz.com
(search term: GA2160)



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