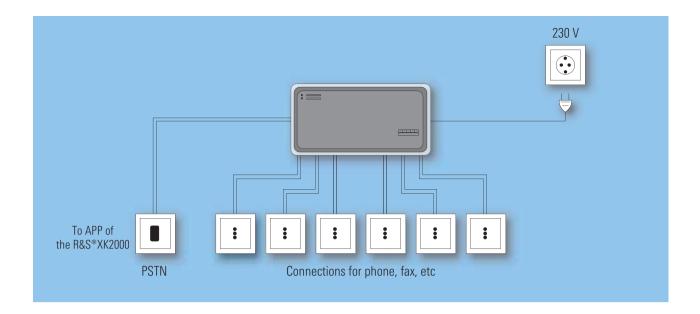


Telephone Exchange Set R&S®GA 2160

PABX and telephone set for advanced automatic telephone operation via $R\&S\,^{\circ}XK\,2000$ radios





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 telephonelike 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 ±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	$2\times50~\Omega\text{,}~790~\text{m}$ at 0.6 mm \varnothing
Call voltage	approx. 45 V (rms), 50 Hz
Reference tones	425 Hz \pm 5 % interval $\pm10\%$
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	$217 \text{ mm} \times 157 \text{ mm} \times 63 \text{ mm}$
Weight	approx. 1050 g
Subscriber telephone set (1 ×)	Siemens Euroset 2015 (for example) or compatible

Ordering information

Telephone Exchange Set

R&S®GA 2160

6064.9507.02

More information at www.rohde-schwarz.com (search term: GA2160)





www.rohde-schwarz.com

Europe: Tel. +49 1805 12 4242, e-mail: customersupport@rohde-schwarz.com North America: Tel. +1 410-910-7988, e-mail: customer.support@rsa.rohde-schwarz.com Asia: Tel. +65 68463710, e-mail: customer-service@rssg.rohde-schwarz.com