

2 Welcome to the R&S SMB

The R&S SMB is a high-performance signal generator developed to meet demanding customer requirements. Offering excellent signal characteristic and straightforward and intuitive operation, the signal generator makes signal generation fast and easy.

2.1 Key Features

Outstanding key features of the R&S SMB are:

- Frequency range from 100 kHz to up to 40 GHz
- SSB phase noise of –108 dBc (typ.) at 10 GHz and 20 kHz offset
- Wideband noise of –138 dBc at 10 GHz and 30 MHz offset
- High output power of up to +27 dBm (meas.)
- Analog modulations with AM, FM/φM and pulse modulation

For more information, see data sheet.

2.2 Documentation overview

This section provides an overview of the R&S SMB user documentation. Unless specified otherwise, you find the documents on the R&S SMB product page at:

www.rohde-schwarz.com/manual/smb100a

2.2.1 User manual and help

Contains the description of all instrument modes and functions. It also provides an introduction to remote control, a complete description of the remote control commands with programming examples, and information on maintenance, instrument interfaces and error messages. Includes the contents of the quick start guide manual.

The contents of the user manuals are available as help in the R&S SMB. The help offers quick, context-sensitive access to the complete information.

All user manuals are also available for download or for immediate display on the Internet.

2.2.2 Data sheets and brochures

The data sheet contains the technical specifications of the R&S SMB. It also lists the options and their order numbers and optional accessories.

The brochure provides an overview of the instrument and deals with the specific characteristics.