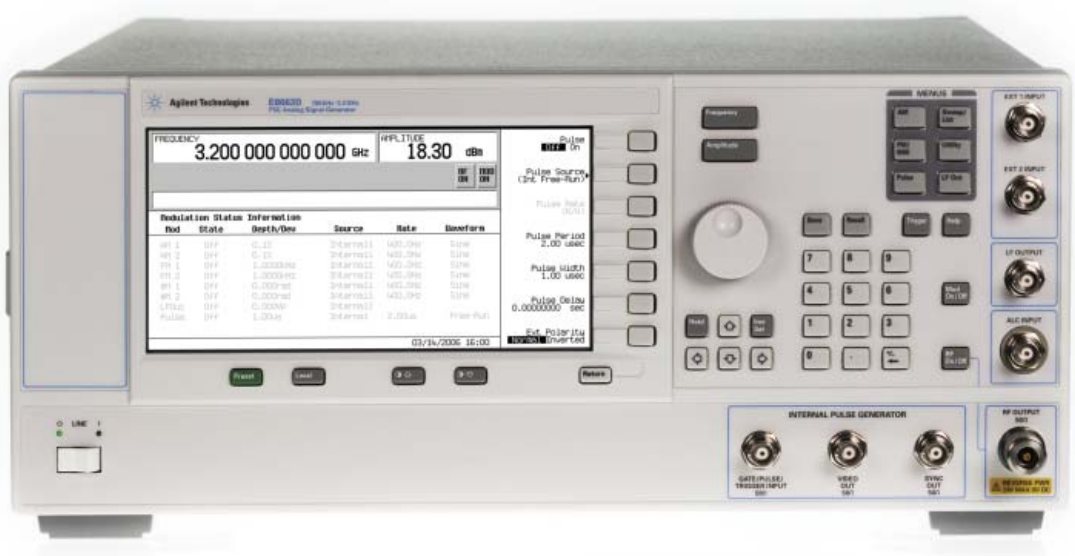
Agilent E8663D PSG RF Analog Signal Generator

Configuration Guide



This guide is to assist in the ordering process for the E8663D PSG RF analog signal generator.

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Standard product includes installation guide, electronic documentation set (CD-ROM), adapters, and country specific power cord.

Agilent PSG RF Analog Signal Generator Options

Step 1. Choose a frequency range (required)

Ordering number	Description	Purpose
E8663D-503	Frequency range from 100 kHz to 3.2 GHz	Selects the maximum frequency of the signal generator
E8663D-509	Frequency range from 100 kHz to 9.0 GHz	Selects the maximum frequency of the signal generator

Step 2. Choose order convenience bundle

Ordering number	Description	Purpose	Requires
E8663D-063	E8663B backwards compatibility option bundle - 1EU, 1E1, 1EH, UNX, UNT	Provides all the same options included in the E8663B	

Step 3. Choose modulation

Ordering number	Description	Purpose	Requires
Standard	CW and Pulse modulation	Generates continuous wave (CW) signals and pulse modulation (15 ns minimum pulse width)	
E8663D-UNT	AM, FM phase modulation, and LF output	Adds analog modulated signals	
E8663D-UNW	Narrow pulse modulation	Generates pulse modulated signals (20 ns minimum pulse width)	E8663D-1E1
E8663D-1SM	Scan modulation	Provides deep AM modulation	E8663D-UNT

Step 4. Choose attenuator

Ordering number	Description	Purpose
Standard	No step attenuator	Generates signals with output power levels ranging from -20 dBm to maximum power
E8663D-1E1	Step attenuator	Generates signals with output power levels ranging from -135 dBm to their maximum power

Step 5. Choose high output power

Ordering number	Description	Purpose
Standard	Standard output power	Generates maximum RF output power of +15 dBm
E8663D-1EU	High output power	Generates maximum RF output power of +21 dBM

Step 6. Choose spectral purity

Ordering number	Description	Purpose
Standard	Standard spectral purity	Provides low phase noise
E8663D-UNX	Ultra-low phase noise performance	Improves close-to-carrier phase noise performance
E8663D-1EH	Improved harmonics below 2 GHz	Improves harmonic performance for carrier frequencies < 2 GHz

Step 7. Choose ramp sweep

Ordering number	Description	Purpose
E8663D-007	Analog ramp sweep	Generates fully synthesized ramp (analog) sweep

Step 8. Choose instrument security

Ordering number	Description	Purpose
E8663D-008	Removable flash memory	Provides 2 GB of removable compact flash memory. All user-accessible files are located on this memory card.

Step 9. Choose instrument accessories and connector

Ordering number	Description	Purpose
E8663D-1CM	Rack mount flange kit	Provides flange kit to mount the signal generator into a standard EIA 19" rack
E8663D-1CN	Front handle kit	Provides front handles for carrying instrument (not for rack mount)
E8663D-1CP	Rackmount kit with front handles	Provides flange handles and a flange to mount the signal generator into a standard EIA 19" rack
E8663B-1EM	Moves all front panel connectors to the rear panel	Simplifies cable management in rack mount environments

Step 10. Choose documentation

Ordering number	Description
E8663D-CD1	CD-ROM containing the English documentation set
E8663D-ABA	Printed copy of the English documentation set
E8663D-0BW	Printed copy of the E8663D assembly-level service guide

Step 11. Choose warranty, calibration, and start up services

Ordering number	Description
R-51B-001-3C	1 year Return-to-Agilent warranty extended to 3 years
R-51B-001-5C	1 year Return-to-Agilent warranty extended to 5 years
R-50C-001-3	Return-to-Agilent Calibration Upfront Support Plan 3 year coverage
R-50C-016-3	Return-to-Agilent 17025 Calibration Upfront Support Plan 3 year coverage
R-50C-021-3	Return-to-Agilent Z540 Calibration Upfront Support Plan 3 year coverage
E8257D-UK6	Commercial calibration certificate and test data
PS-S10	Remote scheduled assistance 1-999 hours
PS-S20	Start up assistance
PS-T10-ASG	Signal generator and source basics; 0.5 day (H7215B-165), Max. 8 students on site
PS-X10	Custom services to be qualified by Agilent

Upgradeable Options

For complete upgrade details, including firmware, visit: **www.agilent.com/find/E8663D_upgrade_table**

Customer-installable and service center-installable upgrade kits are available for the E8663D PSG signal generator. If an option is not mentioned that you would like to have upgraded on your PSG, please contact your local Agilent representative about our customized upgradeable options.

Ordering number	Description	Upgrade Contents
E8663DU-UNW	Narrow pulse modulation	License key
E8663DU-1E1	Step attenuator	License key and hardware
E8663DU-1EU	High output power	License key
E8663DU-007	Analog ramp sweep	License key
E8663DU-008	Removable flash memory	License key and hardware
E8663DU-1EH	Improved harmonics below 2 GHz	License key
E8663DU-UNT	AM, FM, phase modulation, and LF output	License key
E8663DU-UNX	Ultra-low phase noise performance	License key and hardware

Web Resources

For additional product information, visit: **www.agilent.com/find/psg**

For information about renting, leasing or financing Agilent's latest technology, visit: **www.agilent.com/find/buyalternatives**

For accessory information, visit: **www.agilent.com/find/accessories**

Related Agilent Literature

E8663D PSG RF Analog Signal Generator
Data Sheet, Literature number 5990-4136EN

E8257D PSG Microwave Analog Signal Generator
Data Sheet, Literature number 5989-0698EN
Configuration Guide, Literature number 5989-1325EN

E8267D PSG Microwave Vector Signal Generator
Data Sheet, Literature number 5989-0697EN
Configuration Guide, Literature number 5989-1326EN

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