

# Installation Note

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**Agilent Technologies ESG-D and ESG-DP  
Series Signal Generators  
Software Option 150 and 151 Enable Retrofit Kit**

**Models: E4430B, E4431B, E4432B, E4433B, E4434B,  
E4435B, E4436B, and E4437B**



Part Number E4400-90306

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# ESG-D and ESG-DP Software Option 150 and 151 Enable Retrofit Kit

Product Affected: .....	ESG-D and ESG-DP Series Signal Generators
Serial Numbers: .....	All
Options: .....	UND (All Revisions)
To Be Performed By: .....	(X) Agilent Technologies Service Center (X) Personnel Qualified by Agilent Technologies (X) Customer
Estimated Installation Time: .....	0.5 hours
Estimated Verification Time: .....	0.1 hour

## Introduction

This installation note contains the instructions to retrofit software options after purchase of your signal generator. The firmware options covered by this installation note requires that the Dual Arbitrary Waveform Generator assembly (Option UND) is already installed.

Option	Description
150	Installs Option 100 multi-channel W-CDMA personality for UND
151	Installs Option 101 multi-channel cdma2000 personality for UND

Perform all the procedures provided here and stated in other appropriate installation notes.

## Kit Contents

Item	Quantity	Description	Part Number
1	1	Letter	5964-5139
2	1	License Key Certificate	5964-5136
3	1	Installation Note	E4400-90306
4	1	Firmware Upgrade Kit	E4400-60230
5	1	W-CDMA Option 100 User's/Programming Guide (only with Option 150)	E4400-90329
5	1	cdma2000 Option 101 User's/Programming Guide (only with Option 151)	E4400-90330

# Installation Procedure

## Firmware Installation

Install the new firmware following the instructions in the firmware upgrade installation note.

## Enabling the Software Option

A license key is required to enable each software option. This license key is provided on the license key certificate that you receive when you purchase the software option.

1. Access the Software Options menu by pressing **Utility > Instrument Adjustments > Software Options**. An example of the signal generator display follows:



Verify that the host ID shown on the display matches the host ID on the license key certificate. The host ID is a unique number for every instrument. If the host ID on the license key certificate does not match your instrument, the license key cannot enable the software option.

2. On the display is a list of software options that are already enabled (if any) and the software options that can be enabled. Software options are linked to specific hardware options. Before a software option can be enabled, the appropriate hardware option must be installed. In the example shown above, software Option UN5 requires that hardware Option UND already be installed. If the software option that you intend to install is listed in a grey font, the required hardware may not be installed. (Look for an X in the *Selected* column of the appropriate hardware option in the Hardware Options menu.)
3. To enable the software option, highlight the desired option using the up/down arrow keys or the front panel knob.
4. Press **Modify License Key**. Enter the 12-character license key (from your license key certificate) using the softkeys and numeric keypad. When you have finished, press the **Enter** terminator softkey.
5. Press **Proceed With Reconfiguration**. Press the **Confirm Change** softkey to verify that you do want to reconfigure the signal generator with the options for which you have provided a license key. The instrument will enable the options and reboot.