

Installation Note

**Agilent Technologies 8712ET/ES and 8714ET/ES
Firmware Upgrade Kit Rev. E.06.00 and Above
Kit Number 08714-60045 (Option 099)**



Agilent Technologies

Part Number 08714-90033 Supersedes: October 1999

Printed in USA September 2000

Notice.

The information contained in this document is subject to change without notice.

Agilent Technologies makes no warranty of any kind with regard to this material, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Agilent Technologies shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Products Affected:	8712ET/ES and 8714ET/ES RF Network Analyzers
Serial Numbers:	All
To Be Performed By:	(X) Agilent Technologies Service Center (X) Customer or Personnel Qualified by Agilent Technologies (X) Agilent Technologies Personnel On-site
Estimated Installation Time:	20 minutes

Description

This kit contains the firmware disk set required to upgrade your analyzer to the latest firmware revision. (See the firmware disk set for the current revision.)

Installation Kit Parts List

Upgrade Kit 08714-60045

Quantity	Description	Part Number
1	Firmware Disk Set	08714-10005

Tools Required

None.

Equipment Required

None.

Installation Procedure

CAUTION Installation of new firmware will erase any internally saved instrument states and user calibrations; save these to a floppy disk first if they will be needed later.

1. Make sure the analyzer's built-in disk drive is empty, and turn on the analyzer.
2. Confirm your current firmware revision by pressing **SYSTEM OPTIONS** **Service Instrument Info** .

If your current firmware revision is E.06.xx, go to step 6. Otherwise, continue with the following steps.

3. Label a blank 3.5" disk with "CC DATA," and the model number and serial number of the analyzer.

4. Ensure that the disk is *not* write-protected and insert it into the analyzer's built-in disk drive. If the disk is already formatted, proceed with step 5; otherwise format the disk by pressing:

SAVE RECALL

File Utilities

Format Disk Menu

Format 3.5" Disk

YES

Formatting the disk takes about 2.5 minutes.

5. Press:

SYSTEM OPTIONS

Service

Update Corr Const

Store CC to Disk

When done, remove the "CC DATA" disk and set it aside. This is a copy of the current correction constants of the analyzer.

6. Insert firmware disk #1 into the analyzer's built-in 3.5" disk drive and cycle the power to the analyzer.
7. When the analyzer powers up, you will see a message on the screen indicating that a firmware disk has been found. Press **BEGIN** to initiate the loading of the new firmware. When prompted, insert firmware disk #2. The firmware loading takes about twenty minutes. When done, remove the firmware disk and cycle the power again.

If you are upgrading from firmware revision E.05.xx to E.06.xx, continue with the following steps.

8. When the analyzer powers up again, you will briefly see a warning message indicating that correction constants are not installed, after which you will see the "Update-Corr-Const" help message.
9. Insert the "CC DATA" disk you created earlier in this procedure, and press **Install CC From Disk**. This loads the correction constants from the disk into the analyzer's RAM and into the EPROM for permanent storage.
10. After the correction constants have been installed, cycle the power to the analyzer again. The firmware upgrade is now complete.
11. Store the "CC DATA" disk and the firmware disk in a safe place.

For Additional Information

For more information refer to your analyzer's *Service Guide*, or contact your nearest Agilent Technologies sales and service office. See the following table.

Agilent Technologies Sales and Service Offices

UNITED STATES		
Instrument Support Center Agilent Technologies, Inc. (800) 403-0801		
EUROPEAN FIELD OPERATIONS		
Headquarters Agilent Technologies S.A. 150, Route du Nant-d'Avril 1217 Meyrin 2/ Geneva Switzerland (41 22) 780.8111	France Agilent Technologies France 1 Avenue Du Canada Zone D'Activite De Courtaboeuf F-91947 Les Ulis Cedex France (33 1) 69 82 60 60	Germany Agilent Technologies GmbH Agilent Technologies Strasse 61352 Bad Homburg v.d.H Germany (49 6172) 16-0
Great Britain Agilent Technologies Ltd. Eskdale Road, Winnersh Triangle Wokingham, Berkshire RG41 5DZ England (44 118) 9696622		
INTERCON FIELD OPERATIONS		
Headquarters Agilent Technologies, Inc. 3495 Deer Creek Rd. Palo Alto, CA 94304-1316 USA (415) 857-5027	Australia Agilent Technologies Australia Ltd. 31-41 Joseph Street Blackburn, Victoria 3130 (61 3) 895-2895	Canada Agilent Technologies (Canada) Ltd. 17500 South Service Road Trans-Canada Highway Kirkland, Quebec H9J 2X8 Canada (514) 697-4232
Japan Agilent Technologies Japan, Ltd. Measurement Assistance Center 9-1, Takakura-Cho, Hachioji-Shi, Tokyo 192-8510, Japan TEL (81) -426-56-7832 FAX (81) -426-56-7840	Singapore Agilent Technologies Singapore (Pte.) Ltd. 150 Beach Road #29-00 Gateway West Singapore 0718 (65) 291-9088	Taiwan Agilent Technologies Taiwan 8th Floor, H-P Building 337 Fu Hsing North Road Taipei, Taiwan (886 2) 712-0404
China China Agilent Technologies 38 Bei San Huan X1 Road Shuang Yu Shu Hai Dian District Beijing, China (86 1) 256-6888		