

Agilent E5070B/E5071B ENA Series RF Network Analyzers

Enables Auto-complete of ENA Commands when Writing Code on an External PC

Second Edition



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Sample Program

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Enables auto-complete of ENA commands when writing code on an external PC

Overview of the E5070.tlb file

By referring to the "E5070.tlb" library, the auto complete function becomes available on the external PC. If you use the Microsoft Office applications (Microsoft PowerPoint® etc.), since they are equipped with VBA, you can complete most part of the application development within the Microsoft Office applications.

NOTE: The "E5070.tlb" library enables edit only. COM objects for the ENA can not be executed.

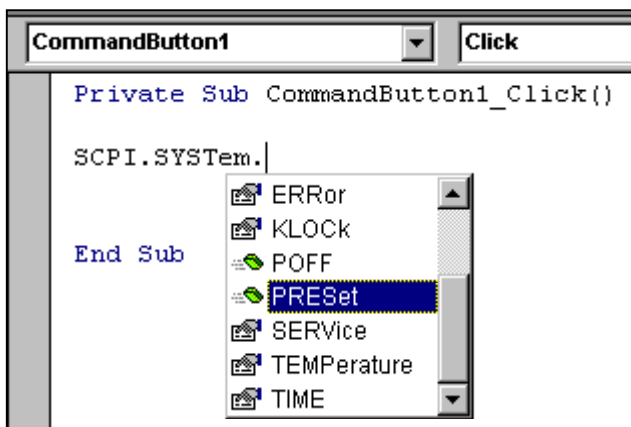


Figure 1. Auto-complete function

How to install the "E5070.tlb" library

- Step1.** Save the "E5070.tlb" to the hard disk drive of your PC (Anywhere is ok).
- Step2.** Display Visual Basic® editor or VBA editor on your PC.
- Step3.** From the **Tools** menu, choose **References**.
The **References** dialog box is displayed, as shown in Figure 2.
- Step4.** Choose the **Browse** button, and then select the "E5070.tlb"
- Step5.** Choose OK to add the selected references to your project.

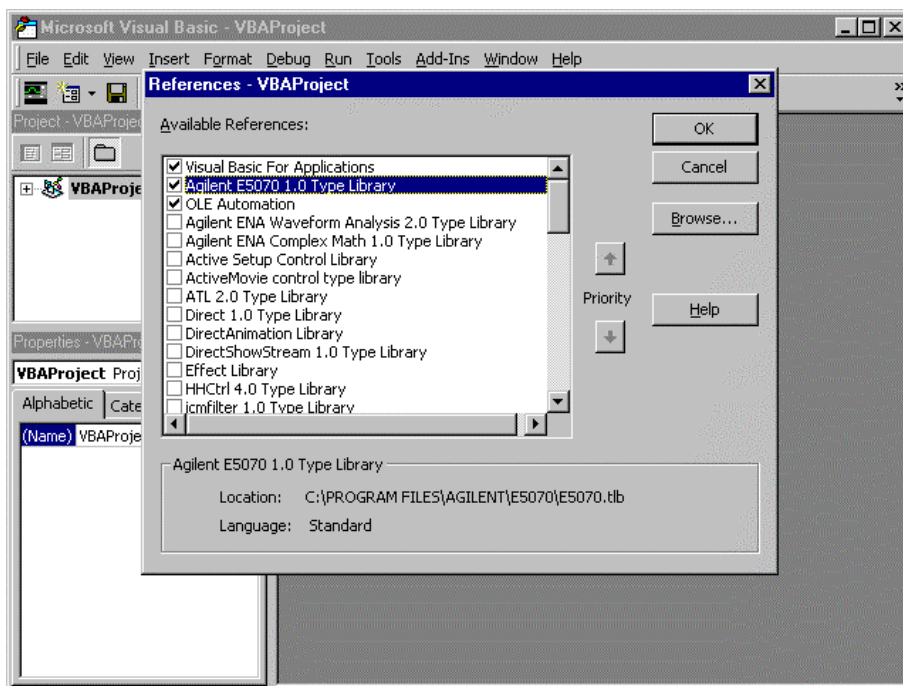


Figure 2. The References dialog box

NOTE: You have to use the appropriate revision of the "E5070.tlb" according to the ENA firmware revision.

How to import and export modules

After writing a program in Microsoft Visual Basic or Microsoft Office applications, export each module separately. You will be able to use them in the built-in VBA of the ENA after importing each module.

Step1. Write a VBA program on an external PC.

Step2. In Project Explorer, click the file name.

Step3. Click the right mouse button, and click **Export File....**

Step4. Save the module to floppy disk or the D drive of your ENA via LAN.

Step5. Display the VBA editor of the ENA.

Step6. In Project Explorer, right-click the "VBAProject" icon, and click **Import File....**

Step7. Load the module that you saved on the external PC.

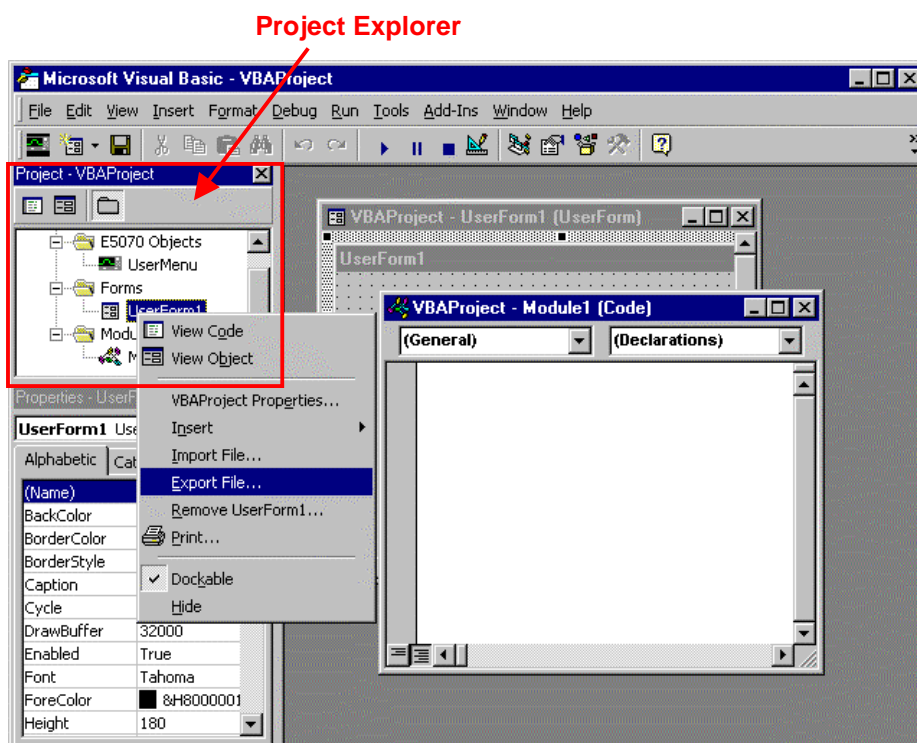


Figure 3. Import / export function

NOTE: In case an error message is displayed while you are trying to execute the VBA program, please check that all modules were imported and make sure the required library files are set on the ENA.