

# **Agilent J2126A / J2127A**

## **Remote Test Software**

### **Installation Guide**



**Agilent Technologies**

## Notices

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## In This Guide

This document contains installation, verification and troubleshooting instructions for the **Remote Test Software** application as used to remotely access and control Agilent J2126A and J2127A Transmission Test Sets.

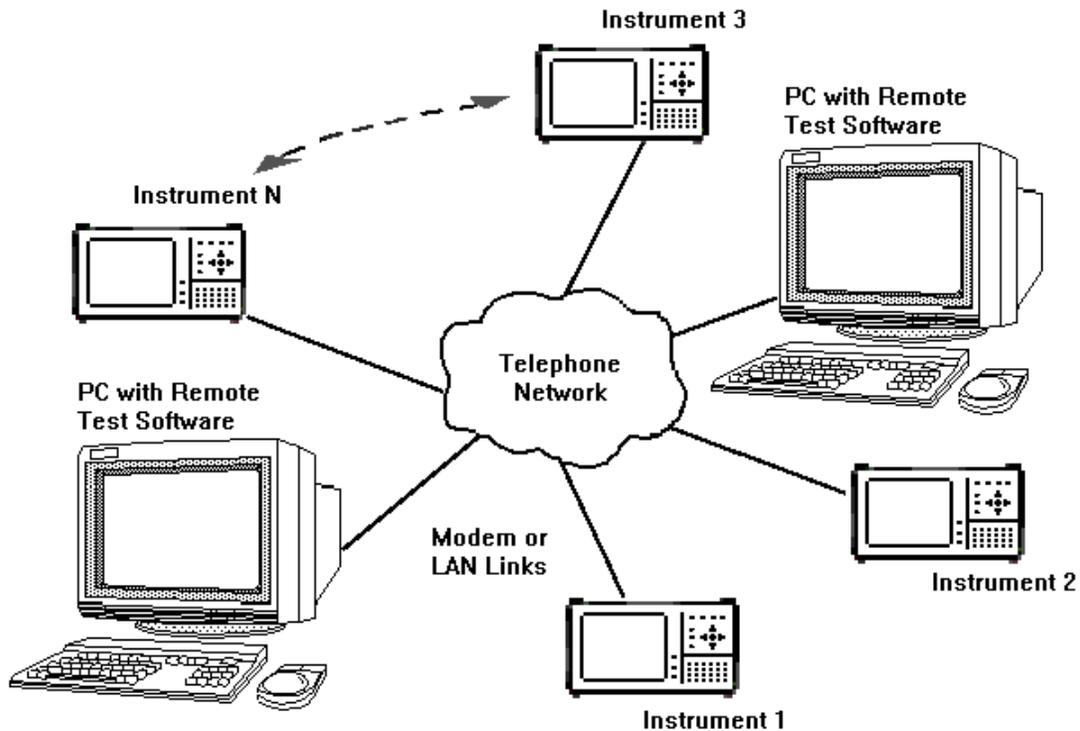
Upto date information and downloads for this product can be obtained from:

<http://www.agilent.com/find/J2126A-J2127A>

## Contents

- 1 Introduction 5**
- 2 Installation 6**
  - PC Specification 6
  - Modem Specification 6
  - Installing the Remote Test Software 7
  - Installing the Sun Personal Java Emulation Environment 7
  - Verifying Installation 7
  - Compatibility with the Instrument Firmware 8
  - Adding to the Remote Test Software “RemoteGUI” Repository 8
- 3 Troubleshooting 10**
- 4 Contacting Agilent Customer Support 11**

## 1 Introduction



The Remote Test Software application enables you to control instruments from central sites. The diagram shows two PCs controlling instruments in a network. Communication between the PCs and instruments is by modem or LAN links.

You use the Remote Test Software to establish connections, assign identifying labels (makes instrument identification easy), change settings, view results, upload or download configurations or upgrade the software of instruments at various locations in the network.

## 2 Installation

The Remote Test Software application runs on a PC with Windows 98, XP, NT or 2000, and the Sun Personal Java Emulation Environment application. See PC Specification for minimum requirements.

You can install the Remote Test software application from CD-ROM or the web.

There are five procedures provided in this section:

- Installing the Remote Test Software
- Installing the Sun Personal Java Emulation Environment
- Upgrading the Instrument Software (if required)
- Verifying Installation

### PC Specification

The minimum PC requirements are:

- Windows 98, XP, NT (SP5 or better) or 2000
- 500 MHz Pentium III
- 128 MB RAM
- 4 Gb HDD
- 1024 x 768 screen resolution
- 1600 x 1200 screen resolution (for viewing two remote instrument GUIs at the same time - "tiled")

### Modem Specification

The minimum modem requirements are:

- Rate: 56kb/s
- Protocol: V.90 and V.92
- Hayes compatible

## Installing the Remote Test Software

Use the following procedure to install the Remote Test Software.

- 1 Download and save the latest Remote Test Software file from the web link referenced at the beginning of this guide.
- 2 Open the file and extract the contents to a temporary location on your PC.
- 3 If a **README.txt** file is included then you should read that first in order to get late breaking news concerning the current release.
- 4 Run the **RemoteTestSoftware.exe** file.
- 5 Accept the default choices during the installation. Note, that a shortcut is automatically added to your PC desktop at the end of the installation.

## Installing the Sun Personal Java Emulation Environment

Use the following procedure to install the Sun Personal Java Emulation Environment from the web.

- 1 Go to the following web link:  
[http://java.sun.com/products/personaljava/pj-emulation.html - pjee3.1](http://java.sun.com/products/personaljava/pj-emulation.html-pjee3.1)
- 2 From the **Download PersonalJava Emulation Environment v 3.1** choice, select **Windows/X86, Win32**.
- 3 Press **continue**.
- 4 Press **ACCEPT**.
- 5 Press the **HTTP** or one of the **FTP** buttons.
- 6 Press **Save** on the download dialog.
- 7 Run the **pjee3\_1-win-nonrom.exe** file once the download is complete (accept all default directory settings).

## Verifying Installation

Use the following procedure to verify that the Remote Test Software has been correctly installed.

- 1 Ensure an instrument is connected on the network and can be “seen” by your PC. (See your system administrator for network connection advice and verification using “ping”).
- 2 From your PC, run the **Remote Test Software** application
- 3 From the menu select **Instrument->New Instrument**.
- 4 Enter the instrument's IP Address, Name and Location, press OK.
- 5 From the menu select **Instrument->Connect**.
- 6 The LED in the **Instrument Manager - Status** column is colored green for a successful connection.
- 7 From the menu select **Tools->New Remote GUI**.
- 8 The Remote GUI will appear if the instrument is compatible and PersonalJava is correctly installed.

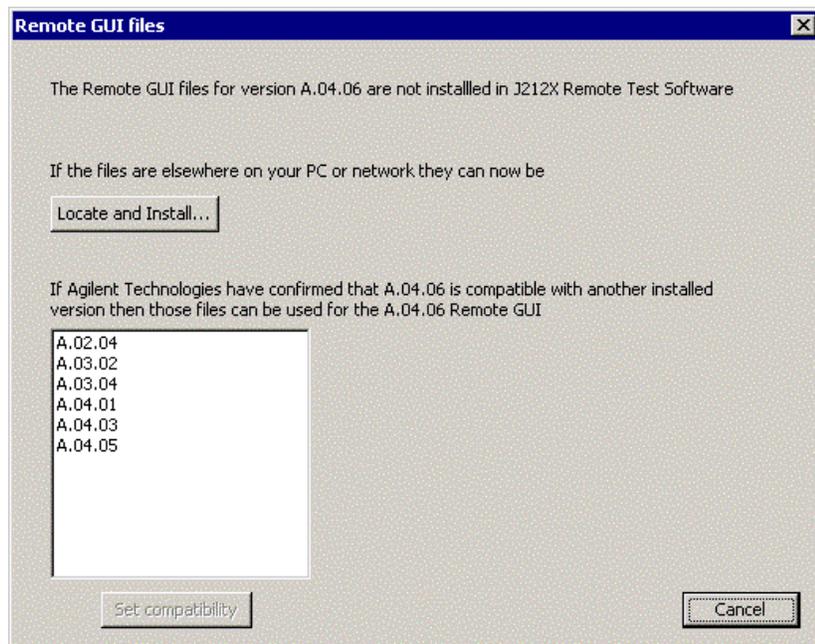
## Compatibility with the Instrument Firmware

You may have to upgrade an instrument's firmware before the Remote Test Software application will operate correctly. To check compatibility with the firmware revision of your instrument, attempt connection with the instrument as shown in the [Verifying Installation](#) section.

The instrument's firmware version will be shown in the **Instrument Manager - Version** column. To run the complete Remote Test Software feature set you must have J2126A / J2127A firmware revision A.04.04 or later. If an update is required, you can obtain firmware and installation instructions from the web link referenced at the beginning of this guide.

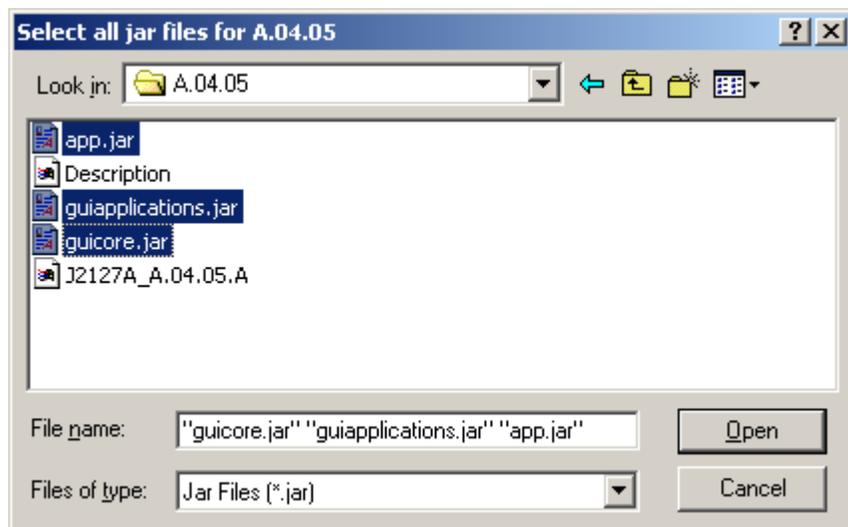
## Adding to the Remote Test Software "RemoteGUI" Repository

If your installation of Remote Test Software supports your instrument's firmware revision but not the **Remote GUI**, then you need to install the GUI "jar" files for that firmware revision. You will know this because you will have been presented with the following dialog when you attempted to run the **Remote GUI** as shown in the [Verifying Installation](#) section.



To install the Remote GUI “jar” files:

- 1 Download and save the self-extracting **GUI pack** file corresponding to the version of firmware loaded in your instrument. This can be found from the web link referenced at the beginning of this guide.
- 2 Run the file, saving the extracted contents to the location as suggested by the extraction.
- 3 From your PC, run the **Remote Test Software** application
- 4 Highlight and right-click your instrument in the **Instrument Manager** window. Select **Remote GUI**
- 5 You will again be presented with the **Remote GUI files** dialog box. Select **Locate and Install...**
- 6 Navigate to the extracted GUI pack file set and highlight the three “jar” files as shown (use <Ctrl> key for multiple selection). Select **Open**.
- 7 You should then be presented with your instrument’s Remote GUI.



### 3 Troubleshooting

**Table 1** Troubleshooting Guide

| <b>Fault / Condition</b>   | <b>Troubleshooting</b>   |
|--|--|
| <p>“Bad command or filename” when starting the application.</p> <p>Remote GUI fails to appear after choosing an instrument on <i>the Remote Test Software – Instrument Manager</i> window.</p> | <p>Ensure that the <i>Sun Personal Java Emulation Environment</i> is installed in its default directory.</p> <p>If the Remote GUI window fails to appear but can be seen in the Windows Taskbar, you may need to position the mouse on it and <b>right-click-&gt;Minimize</b> followed by <b>right-click-&gt;Restore</b>. This issue should be rectified in a future release of the Sun Personal Java Emulation Environment.</p> |
| <p>Remote interface fails to respond.</p>  | <p>If the remote interface no longer responds to keyboard commands, it is possible that communication with the instrument has terminated. Use the Windows PING command to establish if the instrument is still visible on the network. If so, then restart the Remote Test Software application.</p>   |
| <p>“Connection refused” while attempting to connect to an instrument.</p>  | <p>Two remote users may already be connected to the instrument. Access will be allowed when one of them disconnects.</p>   |
| <p>“Out of environment space” error message</p>  | <p>The “create shortcut” step was not followed in the installation procedure.</p>  |
| <p>Cannot generate SSPI context</p>  | <p>Windows 2000 security issues. Contact Technical Support for the latest workaround.</p>  |
| <p>SQL login prompt</p>  | <p>The existing MS SQL installation has compatibility problems with Remote Test Software. Contact Technical Support for the latest workaround.</p>   |

## 4 Contacting Agilent Customer Support

For customer support details, the latest software and firmware or frequently asked questions, go to the web link highlighted at the beginning of this guide.

