TAA-1ET100100-00

MD1230/MP1590 RemoteTester.exe Readme

January 12, 2011, ANRITSU CORPORATION

Introduction

RemoteTester.exe (hereafter, this program) is the program that sends/receives remote commands, using the MD1230/MP1590 family Ethernet remote control options. All of the remote commands on the text file can be sent in the block.

Restrictions

Confirm that the following items are ready:

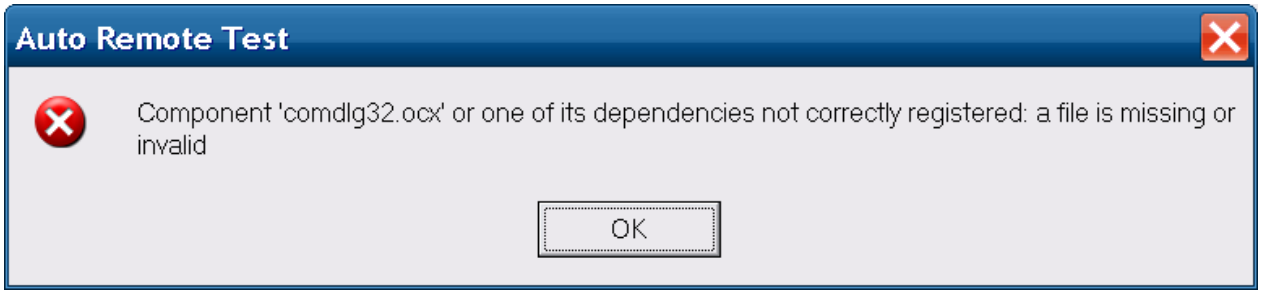
- MD1230/MP1590 family mainframe (MD1230B or MP1590B)
- Ethernet control option
- Ethernet module (MU1201XXA)

Program Installation

Copy this folder that includes the RemoteTester.exe file to the PC, or the hard disk of MD1230/MP1590.

Starting Program

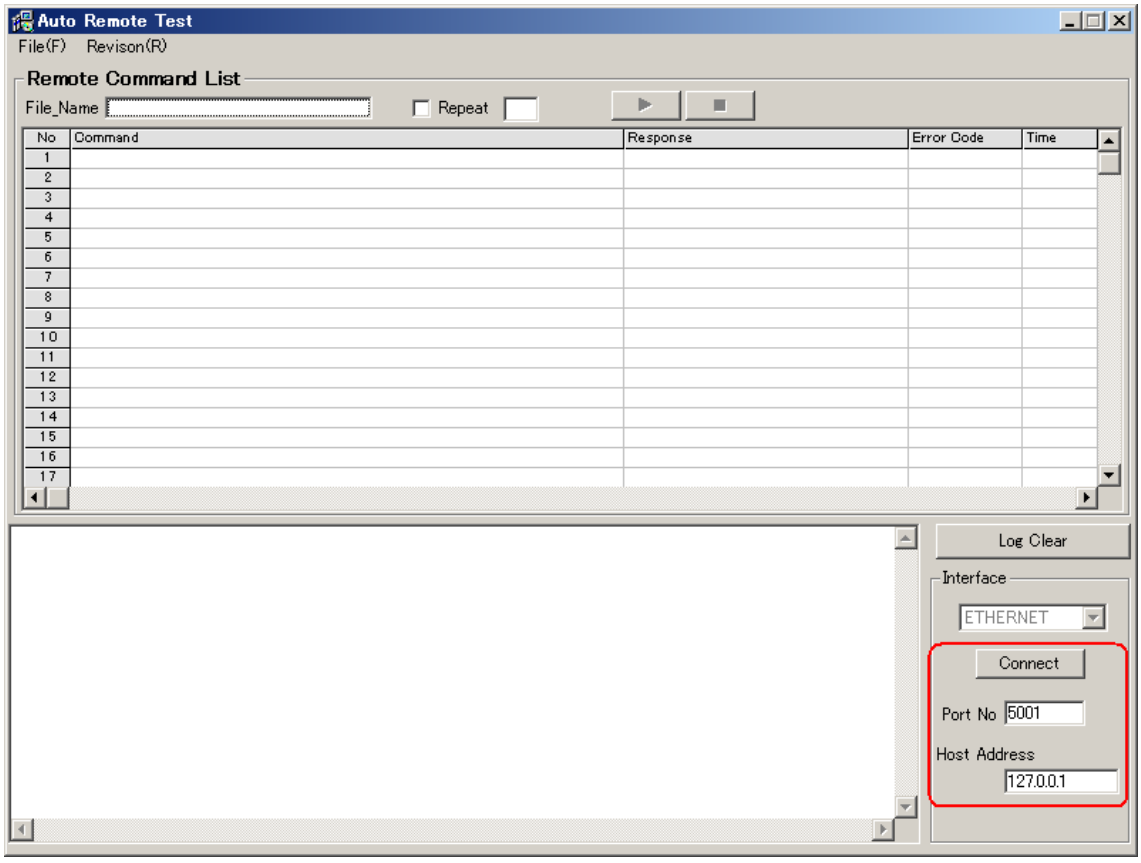
Double-click RemoteTester.exe to start this program. If this program could not be started and the following error message came out, find the instocx.bat file in the ocx folder and double-click it.



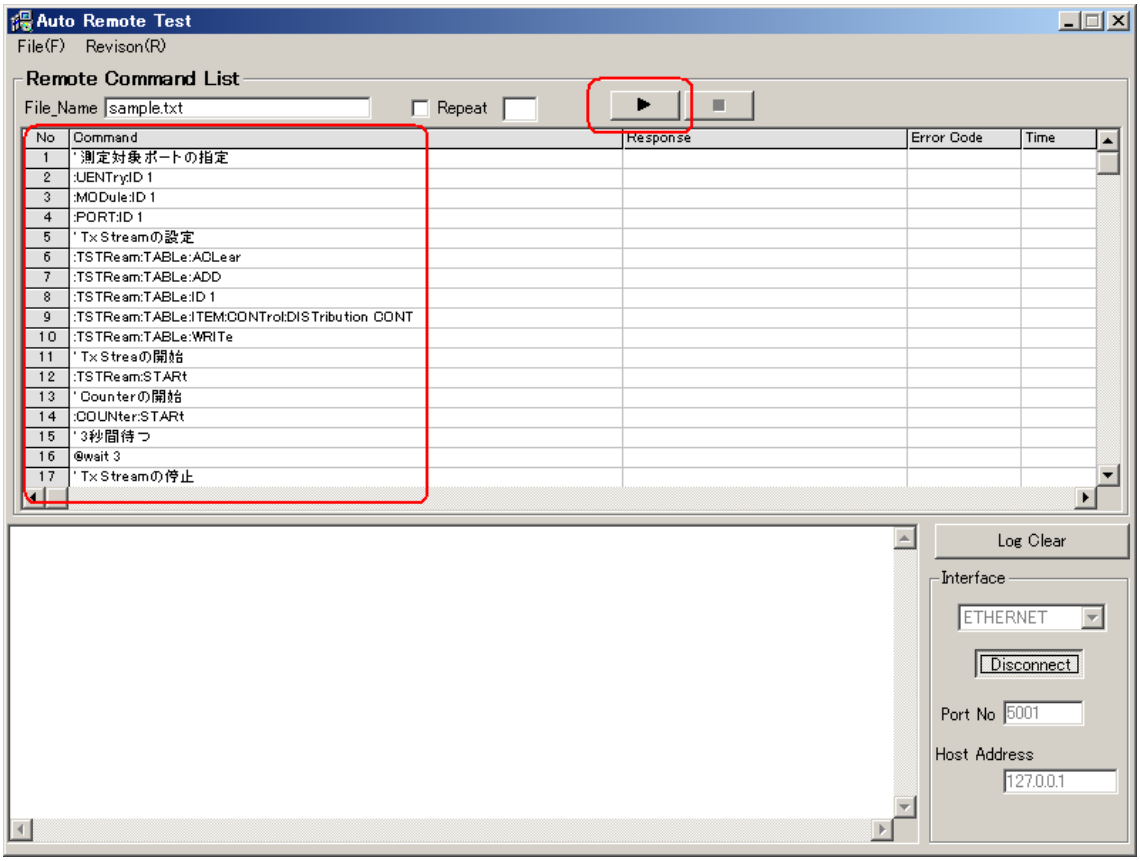
Using This Program

An execution example of this program is shown below by using the sample file (sample.txt) from the installed folder. For the list of available file formats, refer to the Appendix "Transmission File Format" below.

1. Insert the Ethernet module into the MD1230/MP1590 family mainframe to set up the Ethernet control option.
   → The sample file is prepared to be executed in Slot 1. If the module is inserted into other than Slot 1, the part of the sample file "`MODule:ID 1`" should be modified.
   → For details of setup, refer to "Section 4 Ethernet Interface " in *MD1230B Remote Control Operation Manual*.
2. Double-click the RemoteTester.exe file to open the following dialog box.
3. Enter the IP address and TCP port number of the connected MD1230/MP1590 family mainframe into the **Host Address** and **Port No** text boxes in the lower right of the dialog box, and then click **Connect**.
   → If an error message came out as the result of clicking **Connect,** refer to the "Troubleshooting".

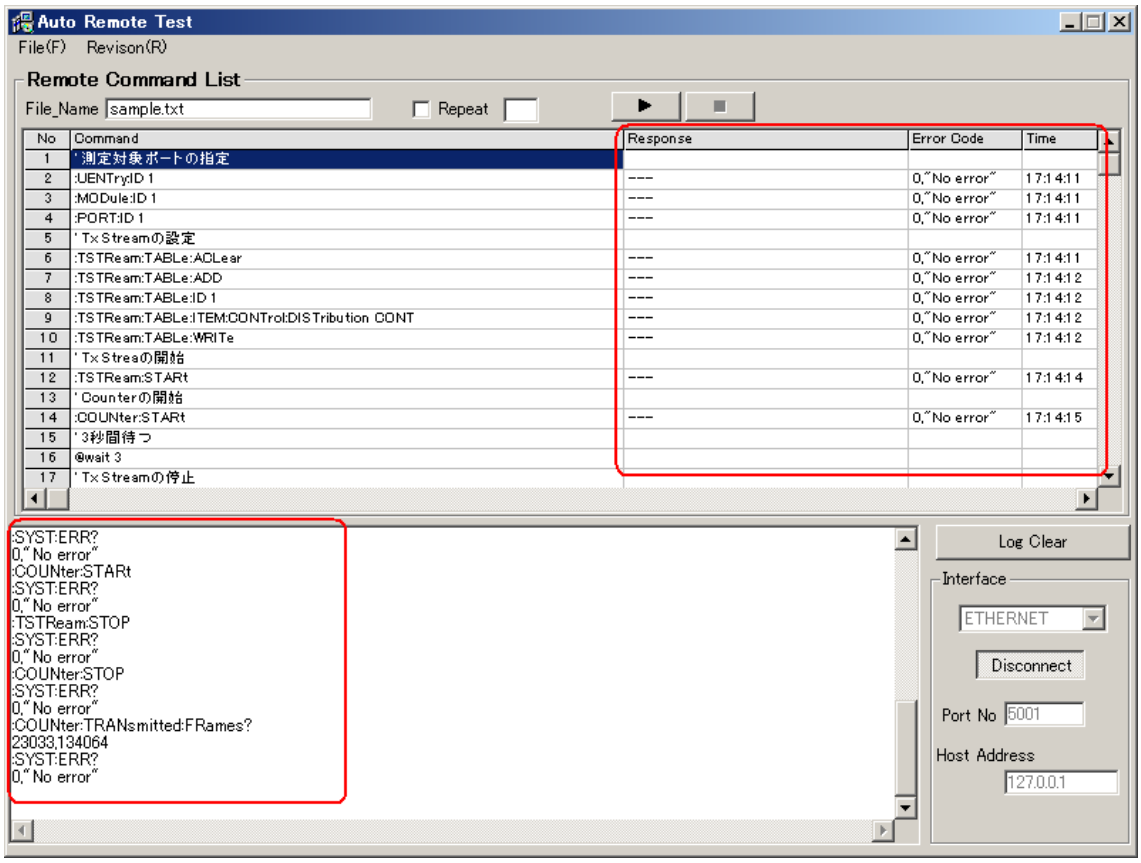


4. On the **File** menu, click **Open**, and select the sample file (sample.txt). The contents of the file are now visible in the list box below and the ▶ button becomes active.



5. As the result of clicking Execution Start button ▶, remote commands on the sample file will be transmitted and the result of transmission will be indicated.

- The result of transmission will also be stored in a file.
  Only the file extension changes to ".res", as in "sample.txt → sample.res".
- This program sends :SYST:ERR? every time after each of remote commands on the file has been sent in order to check remote command errors and also to wait for the end of each command execution. The response of SYST:ERR? is displayed in the Error Code column. Waiting time for the response of :SYST:ERR? is 5 minutes, and 5 seconds for the other command responses.
- When query command is sent, the response data will be indicated in the Response column as follows;



- To repeat the execution of sending the contents of the file, select the **Repeat** check box, and enter the number or repetition (up to 99) into the left side text box of **Repeat**, and then click ▶.
  - Individual result file will be created as the result of each transmission. (The repetition number will be added on each file name.)
- To abort the file execution, press the cancel (■) button.
- Click the **Log Clear** button on the lower right of the display to clear the log output indication.
- Click the **Disconnect** button on the lower right of the display to release the remote connection.

Appendix: Transmission File Format

Items	Descriptions
File name extension	The ".txt". is required.
Remote Command	Enter the specific command code text to be sent.
Comments	The text lines started with " ' " will be treated as comments.
`@wait` *time*	The next execution will be postponed for the period of time defined as *time*.
Number of lines	The maximum number of executable text lines is 1000.

An example of the transmission file.

```
' Assignment of the port to be measured
:UENTry:ID 1
:MODule:ID 1
:PORT:ID 1

' Setting Tx Stream
:TSTReam:TABLe:ACLear
:TSTReam:TABLe:ADD
:TSTReam:TABLe:ID 1
:TSTReam:TABLe:ITEM:CONTrol:DISTribution CONT
:TSTReam:TABLe:WRITe

' Starting Counter
:COUNter:STARt

' Starting Tx Stream
:TSTReam:STARt

' Wait for 3 seconds
@wait 3

' Stopping Tx Stream
:TSTReam:STOP

' Stopping Counter
:COUNter:STOP

' Querying Counter
:COUNter:TRANsmitted:FRames?
```

Appendix: Troubleshooting

If no connection has been established as the result of clicking **Connect** and an error message came out, diagnose the system according to the following procedure.

Check Items	Descriptions
Is Remote Control options properly set up?	The remote control option can be confirmed and also to be setup in the **Remote** tab of Setup utility function. For details, refer to "Section 4 Ethernet Interface " in *MD1230B Remote Control Operation Manual*.
Is Main Application already activated?	No connection will be established without Main Application.
Does Ping request to the IP address connection returns?	IP address could be set in a wrong way in the case that Ping is not working. The values of IP address can be confirmed in IP Address tab of Setup Utility function.
Is the IP address to be connected not for the Unit but for the Windows side?	The connection should be made to the Windows side IP address.
TCP Port Number	The TCP port number for the connection should be equal to the one set in the **Remote** tab of Setup utility function.
Firewall setting	The Windows firewall could be set to block the access from port number.