TAA-1ETMP1800A0677

Logging Software Operation Manual

1 Outline

The Logging software for Anritsu 32G BERT MP1800, as an utility, can run on an external PC (via LAN), or on the MP1800A unit without a PC, it supports the BERT applications using MP1800A or MT1810A. The logging software can be used to test one, dual, or four channels of 32G EDs (Error Detectors), report Error Rate (ER) and Error Count (EC) with time stamp periodically (users can set the period or cycle time in the software), record the ED setting such as test pattern and singled-end or differential interface info at the beginning of the test, display and update the ER and EC results for all ED channels on the screen (PC or MP1800A) at the same time.

There are some limitations on the logging software, it will need users to setup BERT running conditions, such as run Auto Search first, with error free or least error rate, and then start the logging software, the period or cycle time of reporting ER or EC in the software that needs 6 seconds or longer.

Note:

The MP1800A-002 Ethernet option is required to use this software.

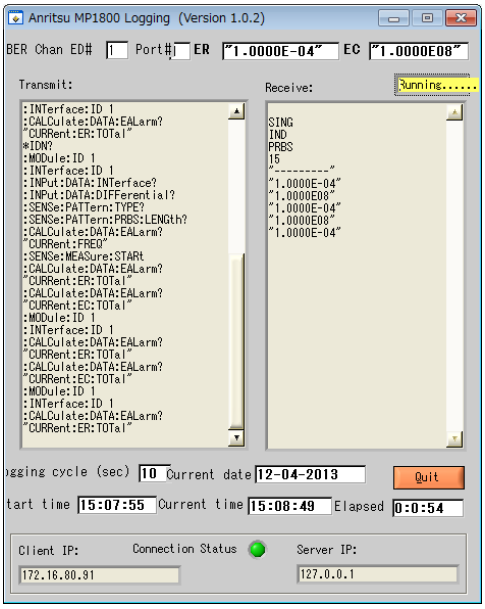


Figure 1-1 Logging Software display

2 Installing/Uninstalling

2.1 Installing

Copy the “MP1800Logging” folder to the MP1800A (or the PC) and then double-click “setup.exe”.

Note:

If you use on the PC (OS: Windows7), we recommend to change the install directory, or else UAC (User Account Control) can cause some problems. E.g. C:¥Anritsu¥MP1800Logging

After the installation, please create “log” directory under the installation folder.

2.2 Uninstalling

Please go to the Windows Control Panel/Add and remove program, and run the software uninstaller.

2.3 Version Upgrade

Install version upgrades after first uninstalling the old software version as described above.

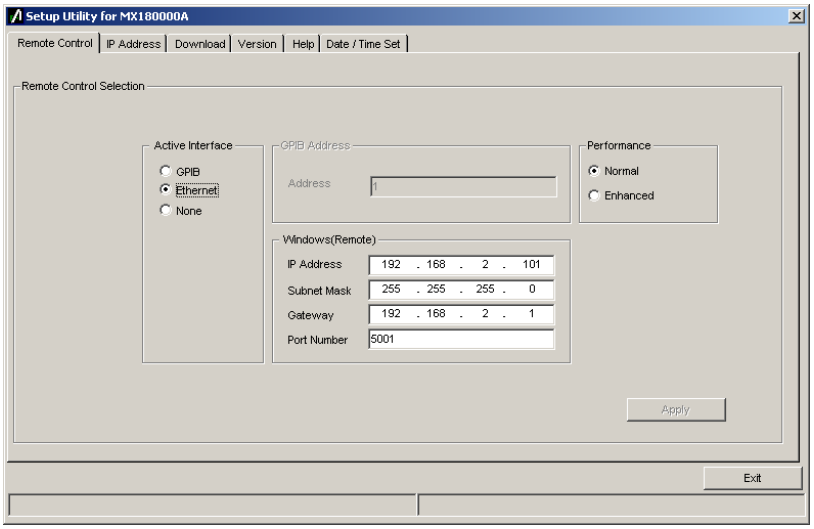
3 Usage

This section explains the Logging software usage. The used instruments are listed below.

- MP1800A-015+002
- Slot2:MU181000A
- Slot3:MU183020A
- Slot4:MU183040A

3.1 Setting the MP1800A

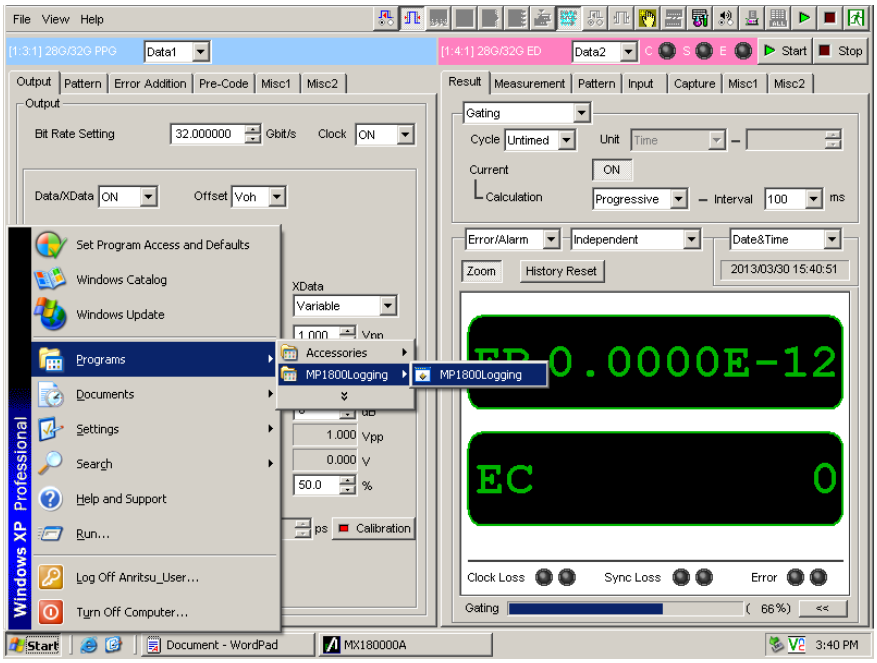
1. Please go to Setup utility on the screen of the MP1800A, set the windows IP address, for instance, set it to “192.168.2.101”.



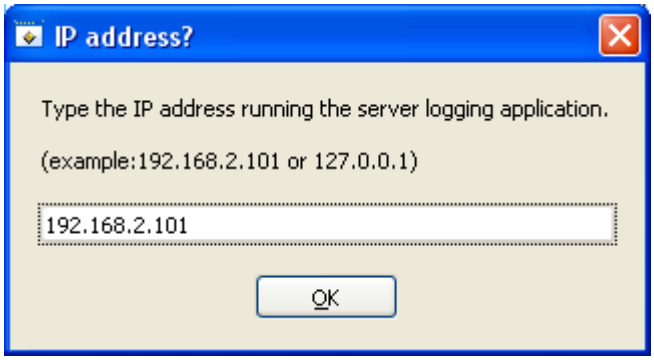
2. Run the MX180000A on the MP1800A, get error free or least error rate condition, for instance, after running Auto Search, on all tested channels of the ED(s).

3.2 Procedures to run the Logging Software

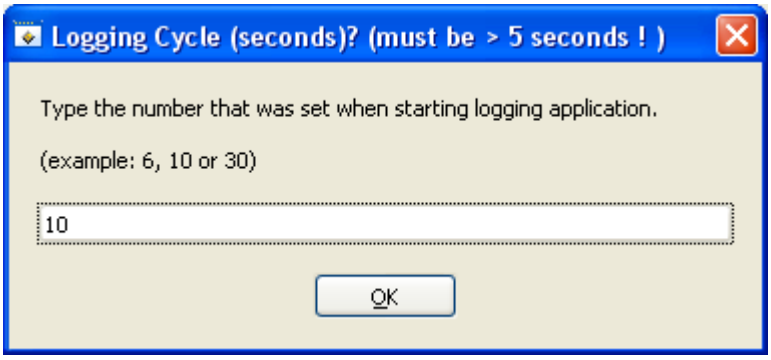
1. Launch the logging software from “Start/Program/MP1800Logging”, if running on the MP1800A without a PC, users need press Microsoft Logo “Microsoft Flag” key to get the “Start” at the left bottom on the screen.



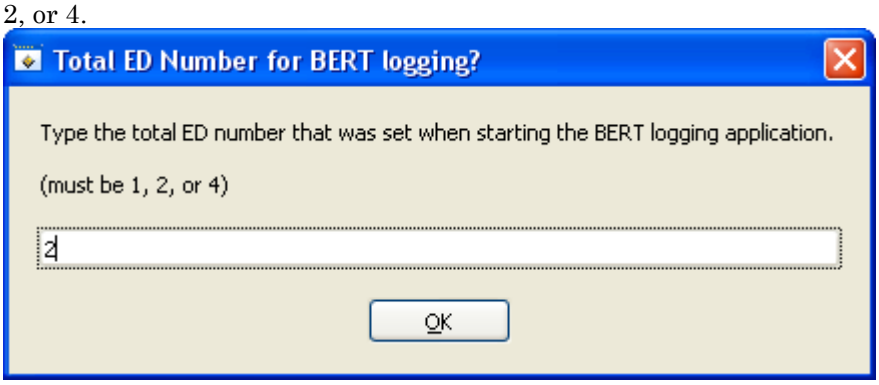
2. Enter the server IP address when asked. That is the Windows IP address set before by users, or “127.0.0.1” is also ok if running MP1800A without a PC



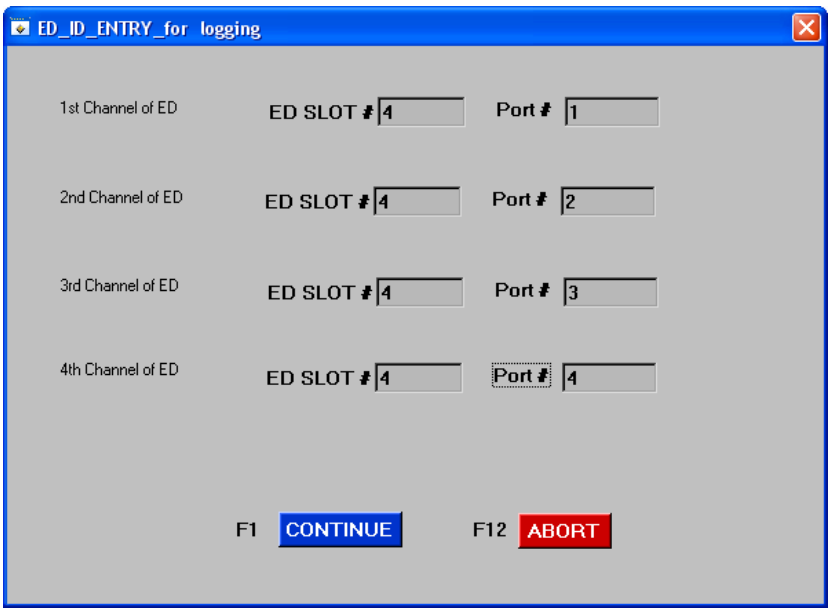
3. Enter the period or cycle time of reporting ER or EC in the logging software, that needs 6 seconds or longer.



4. Enter the total channel number of the ED (s) to be tested, must be 1, 2, or 4.



5. Enter the positions of all channels of ED(s), and also Port# (or Interface# on each ED) to be tested, see examples below.



6. Please click “Quit” button to exit in the logging software.
   Here is an example of a logging file automatically generated for testing two channels of ED(s). The logging file name contains test starting date and starting time, saved under “log” subdirectory.

