MD1230 Family Upgrading Software Manual

(Ver. 1.0 - 4.2)

ANRITSU CORPORATION

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1. Before the software upgrade

1.1 Precaution

(1)This manual describes how to upgrade "MD1230 Family Software".

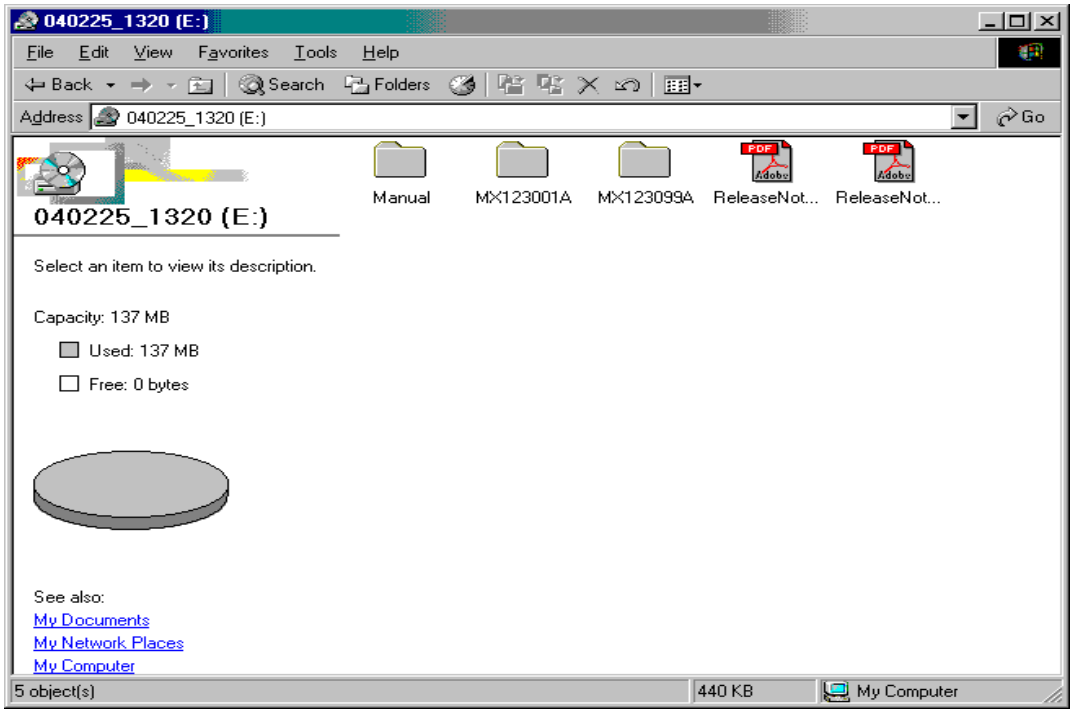
(2)This manual is in common with “MD1230A/MD1230B (MX123099A) and MD1231A (MX123199A) and MX123001A” and MT7407A.

(3)This manual shows the indication screen as MD1230A.

(4)This upgrade is performed with the installer in CD-ROM.

There is folders for each product.

These folders includes the installer



1.2 The necessary items

1.2.1 The necessary items for all products

(1)Setup CD-ROM

(2)Product Key for the MD1230/31A.

* Product key and serial number are described on "Product key sheet" in CD-ROM.

(3)Mouse

(4)Key board

(5)Personal Computer that has CD-ROM drive

1.2.2 The necessary item for MD1230A/MD1230B/MD1231A

(1)Ethernet cross cable (In case of using LAN) or USB memory (In case of external memory)

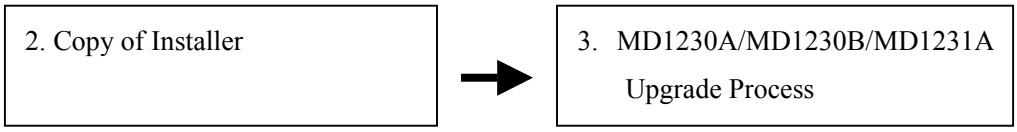
1.2.3 The necessary item for MT7407A

(1)Ethernet cross cable and RS-232C cross cable

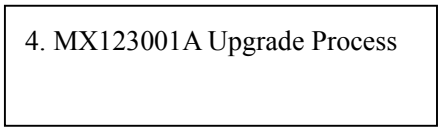
(2)Personal Computer that has RS-232C interface

1.3 The necessary procedure

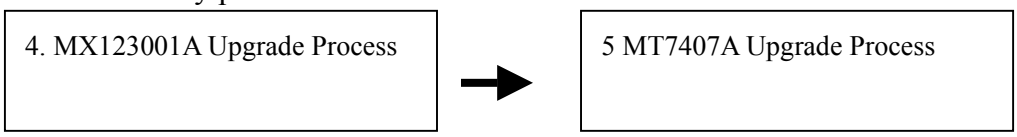
1.3.1 The necessary procedure for MD1230A/MD1230B/MD1231A



1.3.2 The necessary procedure for MX123001A



1.3.1 The necessary procedure for MT7407A



2. Copy of Installer

2.1 Using USB memory

In case of this, prepare the driver software for USB memory.

(1) Connect USB memory into USB port of PC.

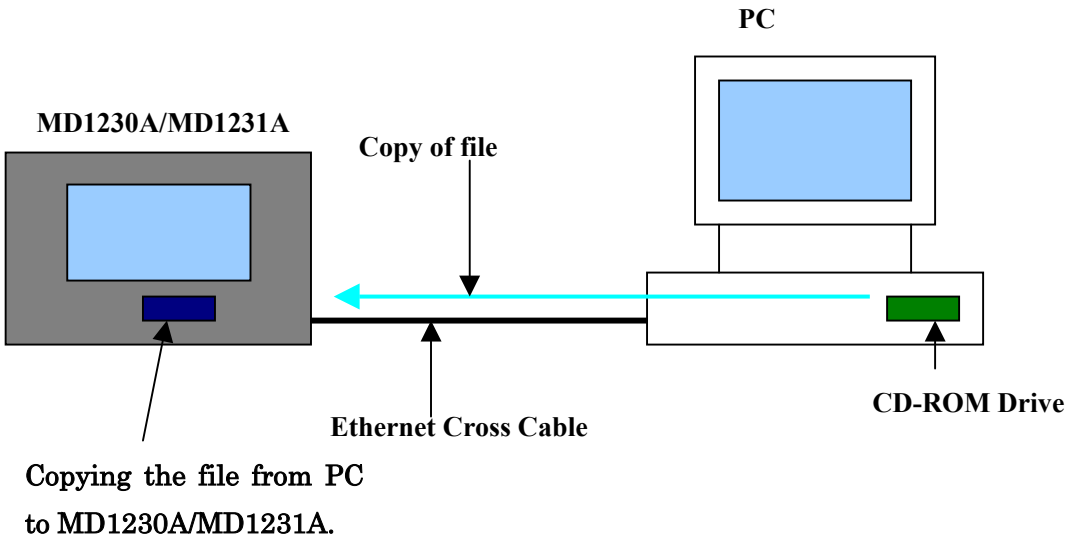
(2) Copy MX123099A/MX123199A folder to USB memory from CD-ROM.

(3) Remove USB memory from PC, and connect it into USB port of MD1230A/MD1230B/MD1231A.

(4) Copy MX123099A/MX123199A folder on HDD of MD1230A/MD1230B/MD1231A.

2.2 Using LAN

2.2.1 The image is as follows.



[Image of file's copy]

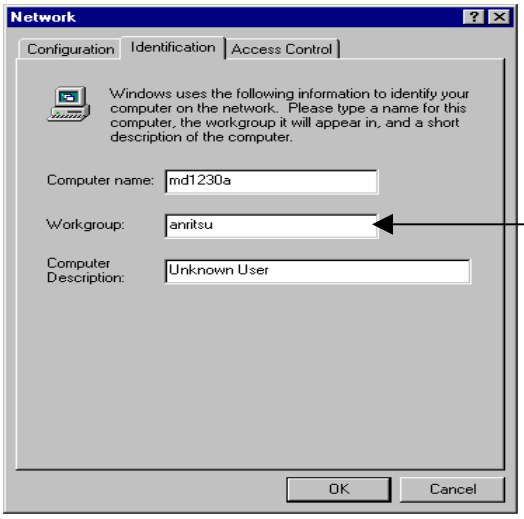
2.2.2 The procedure for operation

[Operation with MD1230A/MD1230B/MD1231A]

(1) Make a proper folder in HDD of MD1230A/MD1230B/MD1231A, and change the folder to the shared folder.

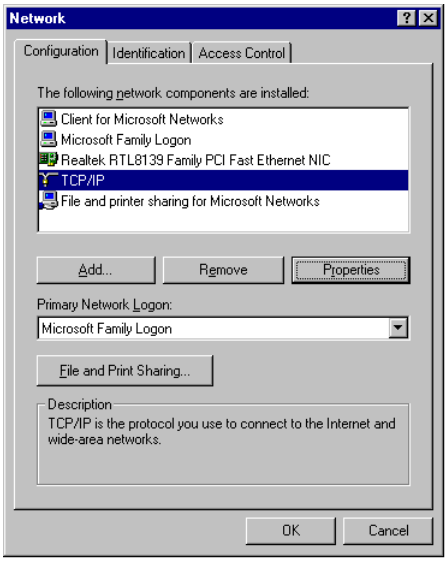
(2) Right-click "Network Neighborhood" icon, and open "Property".

(3) Click “Identification” tag, and change " Workgroup” to the same as PC.



This set should be the same as PC.

(4) Click "Configuration" tag, and click "Property" button after selecting "TCP/IP" in "Network Configuration".



(5) Click "IP address" tag, and set "IP address" and "Net mask".

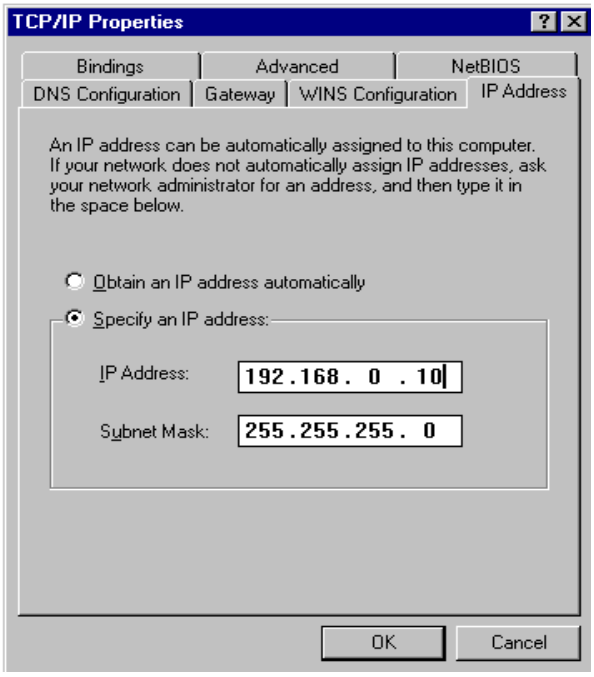
Then change "Network address" to the same address as PC.

Caution! : Confirm that IP address of PC is specified.

(Example) If "IP address" of PC is "192.168.0.1", MD1230A/MD1230B/MD1231A should be as follows.

IP address 192.168.0.10

Net mask 255.255.255.0 : This area should be the same as PC.



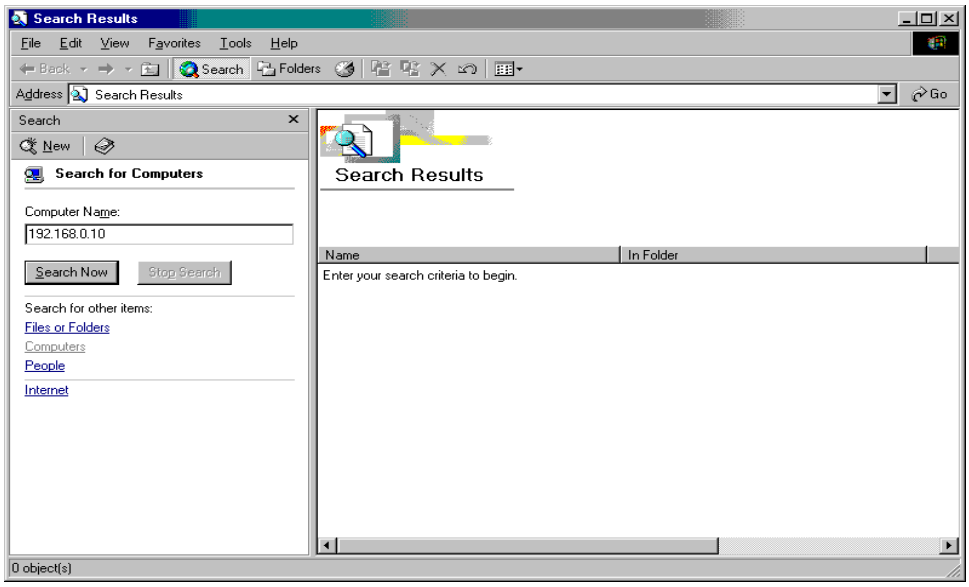
(6) Connect "Ethernet cross cable" between MD1230A/MD1230B/MD1231A and PC.

[Operation for PC]

(7) Search MD1230A/MD1230B/MD1231A by PC.

Enter "IP address", and search MD1230A/MD1230B/MD1231A.

(This screen is for Windows 2000.)

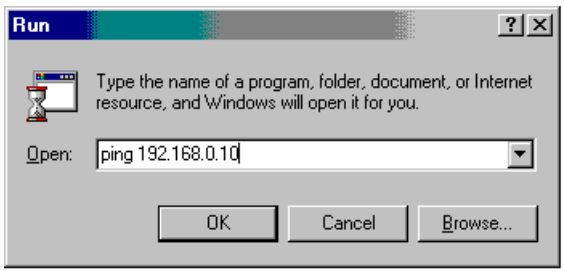


If you can't search it, please perform "ping" command to "IP address" of PC and confirm if the communication is performed normally.

(Example)

Click "start" button, and select "Run". Next click "OK" button after entering the following command.

ping 192.168..0.10



(8) Copy "MX123099A" folder in CD-ROM to shared folder in MD1230A/MD1230B/MD1231A through Ethernet after searching MD1230A/MD1230B/MD1231A.

The configuration of "MX123099A" folder is as follows.

disk1folder :

AdbPort.dll data1.cab data1.hdr data2.cab GetSerial.exe ikernel.ex_
layout.bin Msvbvm60.dll Setup.exe Setup.ini setup.inx

After this, perform installation by starting "Setup exe" as the procedure described from 3 page.

3. MD1230A/MD1230B/MD1231A upgrade process

This procedure is on the assumption that there is MX123099A/MX123199A folder in MD1230A/MD1230B/MD1231A by the copy operation.

Caution!:

Please read the following when the Decode Module Option (MD1230A/30B/31A-04 MD1230A/30B/31A-04) and the Expert Analysis Module Option (MX123002A) are installed.

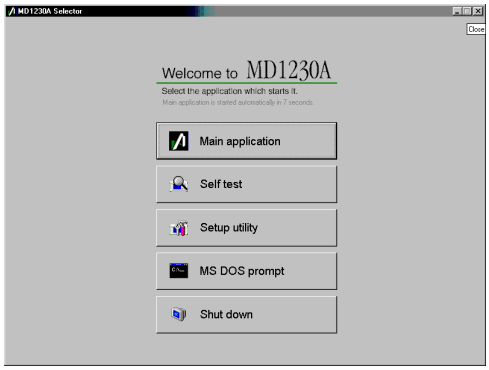
1. If you uninstall MX123099A/MX123199A, then Decode Module Option and Expert Analysis Module Option is also uninstalled. You need to move the result files of measurement(Ex capture files) to the directory except the MX123099A/MX123199A's install directory before the uninstallation of MX123099A/MX123199A. And you need to reinstall the Decode Module Option and Expert Analysis Module Option after the installation of MX123099A/MX123199A.
2. When the software Ver.4.2 or later is installed, it is necessary to do the following work after the Decode Module Option is reinstalled.

Please paste "SniffIt2.dll" file of etc¥DecodeModule folder in CD-ROM into the C:¥md1230a¥Main folder.

   If this work is not done, the capture function cannot be used (when the capture result is displayed, the error message is displayed).

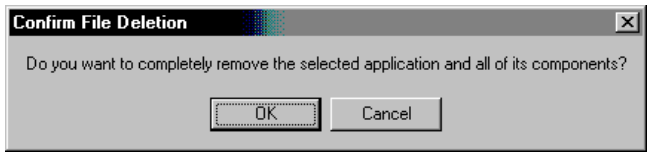
3.1 Uninstallation

(1) If the application of MD1230A is opened, push the “x” button in the upper right of the selector screen to indicate the screen of Windows.



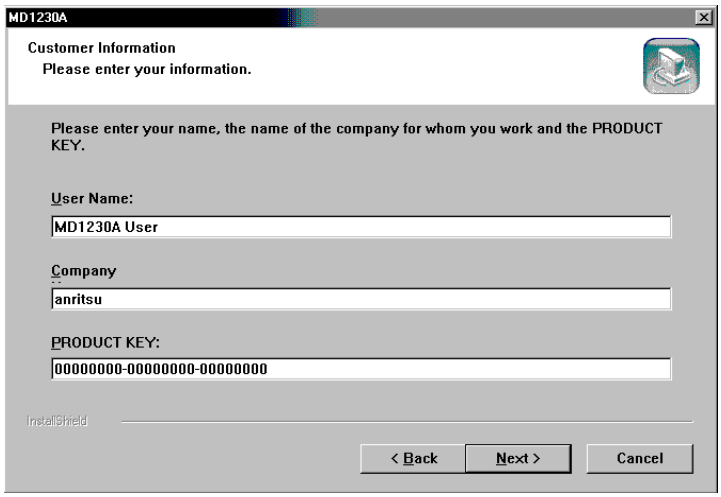
(2) Double-click " Setup.exe" in "MX123099A/***" folder copied from CD-ROM(*** is unit name. When unit name is MD1230A, *** is "MD1230A"). Then, uninstaller starts. “Setup.exe”.

(3) Push “OK” button to the inquiry of the uninstallation practice.



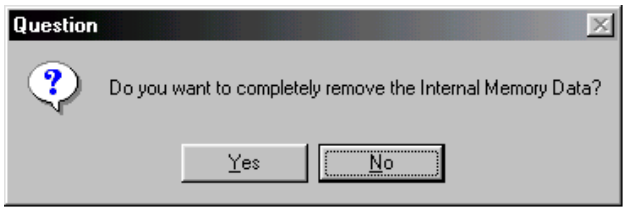
(4) Push "Next" button after Inputting "Company Name" and "PRODUCT KEY".

Caution!: This "Product Key" includes "-"(hyphen). Don't forget inputting it.

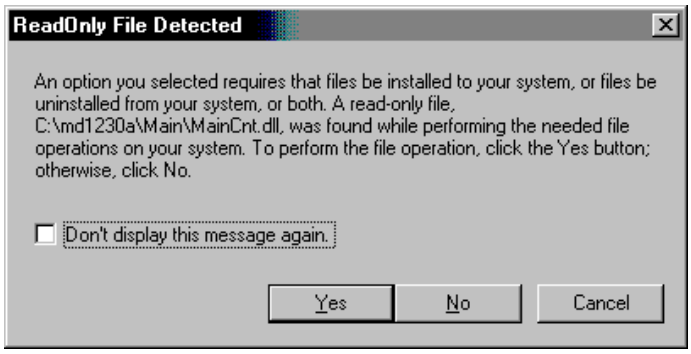


(The above screen is an image. It is different from the actual file for version-up.)

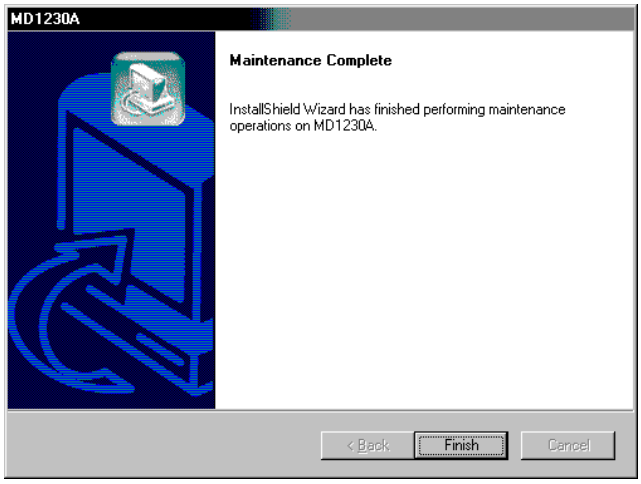
(5) Select if the measurement data saved on internal memory may be deleted.
In case of "Yes" : the setup data of MD1230A is removed on the internal memory.
In case of "No" : the setup data of MD1230A is remained on the internal memory.



(6) Push “Yes” button if the dialog which asks deletion of the Read Only file is displayed.



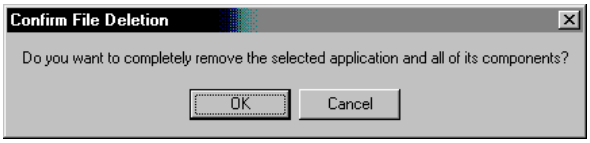
(7) Push “Finish” button on the following screen, and complete uninstallation.



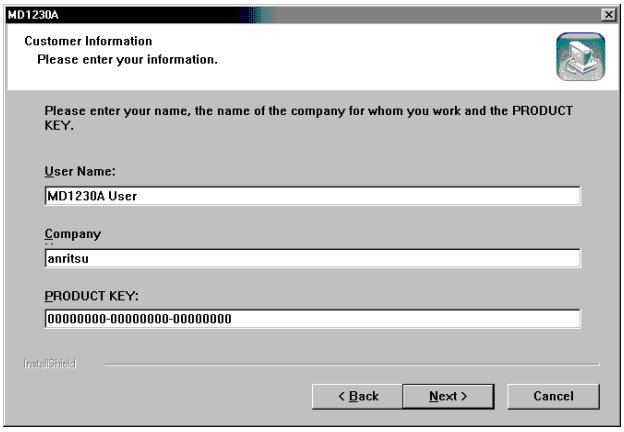
3.2 The installation

(1) Click “Setup.exe” of Disk1 after waiting about 10 seconds after uninstallation is completed. Then, start installation by pushing “Next” button.

(2) Push "OK" button to the inquiry of the installation practice.



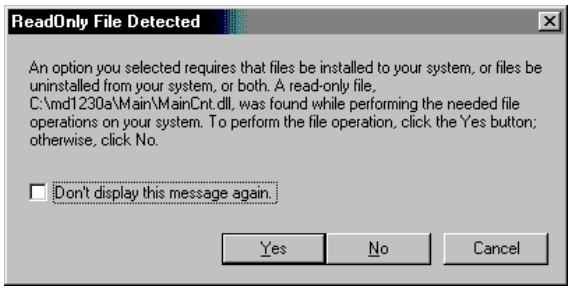
(3) Push "Next" button after Inputting "Company Name" and "PRODUCT KEY".
Caution! This "Product Key" includes "-"(hyphen). Don't forget inputting it.



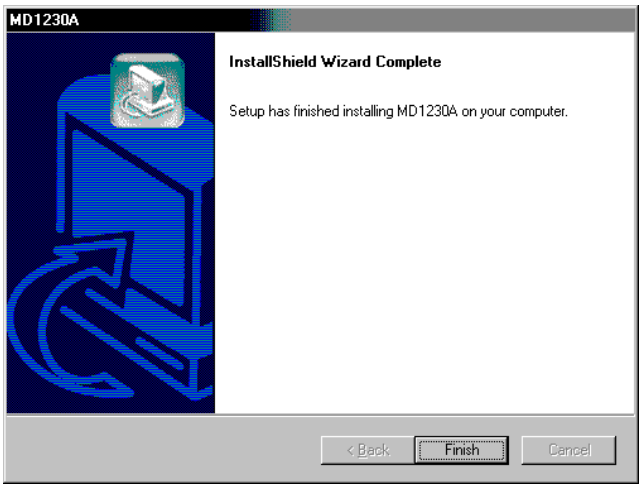
(The above screen is an image. It is different from the actual file for version-up.)

After this, all files are installed automatically.

(4) Push “Yes” button if the dialog which asks deletion of the Read Only file is displayed.



(5) Push “Finish” button on the following screen, and complete the installation.

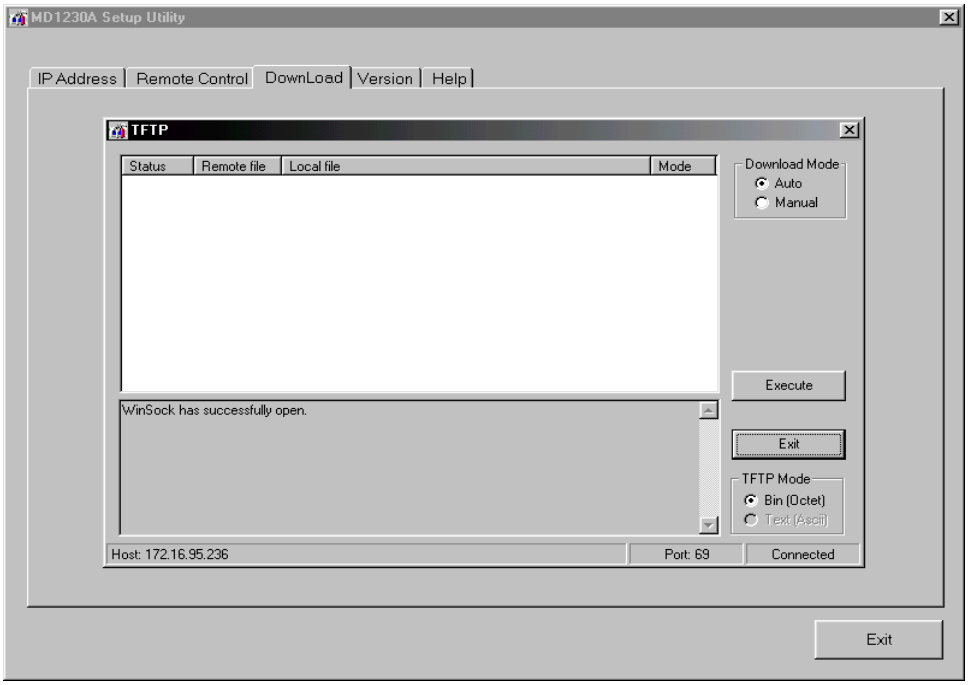


3.3 Downloading of internal software and the FPGA data

(1) Start the Setup Utility, and click the Download tab.

Caution!: In case of upgrading the software from Ver 1.x, please start setup utility with the following execution file. In case of starting it with icon, error message appears.

C:¥md1230a¥main¥SetupUtility.exe



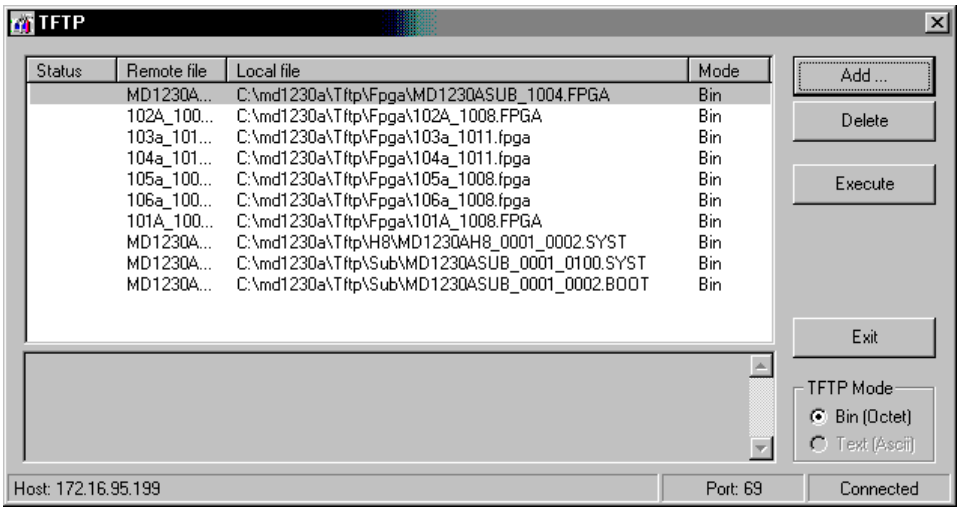
Caution!: When you carry out a version down from Ver.4.0 or later to Ver.3.3 or earlier, please perform the procedure of 3.3.1 before subsequent procedures.

(2) Select “Auto” mode about “Download Mode”, and Push “Execute” button.



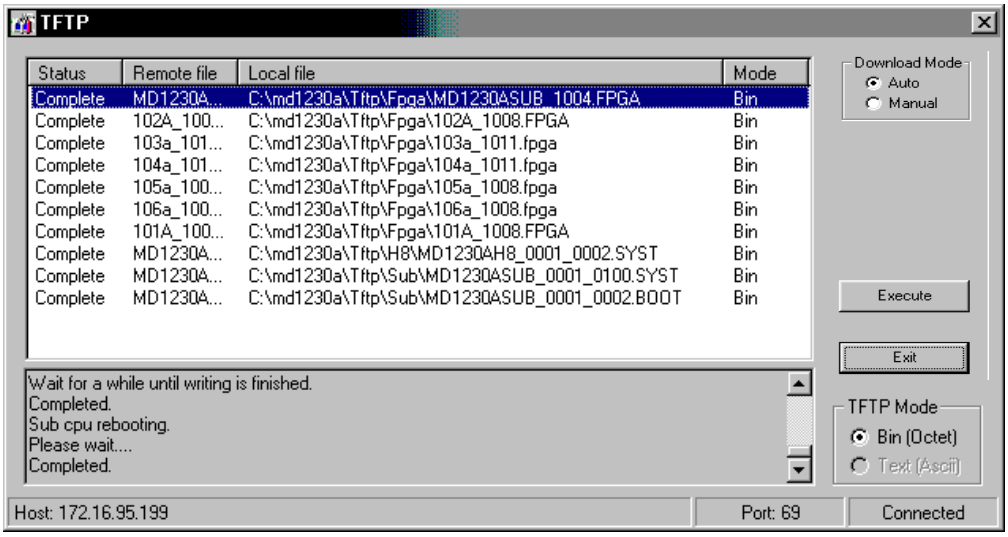
(3) Push “OK” button to the executive inquiry of automatic downloading.

A file for version-up is chosen automatically as follows, and it is downloaded. The maximum time for the download



A screen after the file choice (The above screen is an image. It is different from the actual file for version-up.)

(4) After the download is finished, “Exit” button becomes effective as follows.

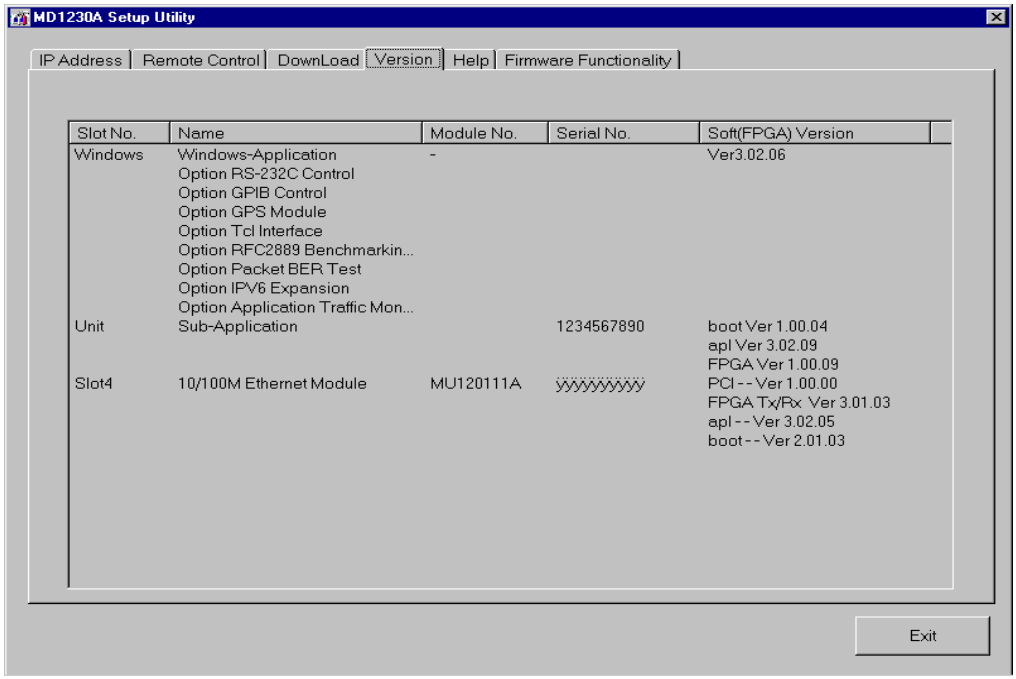


A screen after the file choice (The above screen is an image. It is different from the actual file for version-up.)

(5) Confirm that all Status were "Complete" and push “Exit” button, then TFTP (downloading screen) is

completed.

(6) Click "Version" tag, and confirm that the version is suitable as compared with "Release Note".

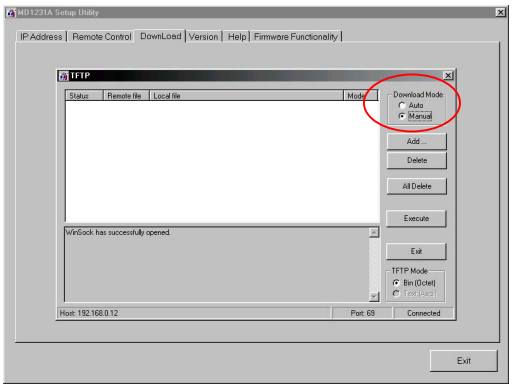


(7) Push “Exit” button and complete the Setup Utility.

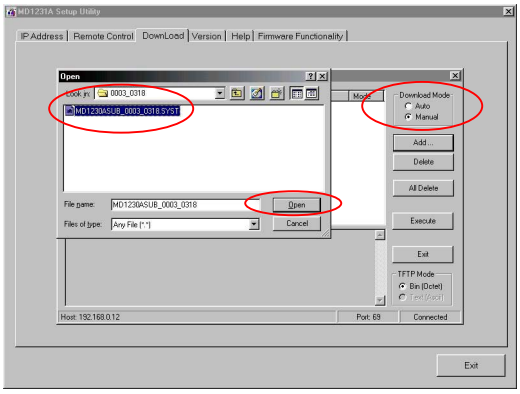
After that, perform "self-test" as the need arises.

3.3.1 When a version down is carried out from Ver.4.0 or subsequent ones to Ver.3.3 or earlier

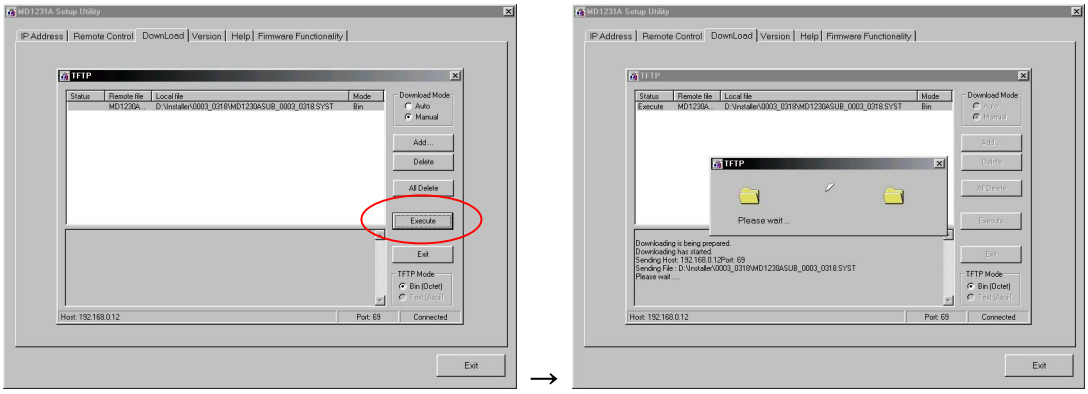
(1) Change an upper right Download Mode setup into Manual from Auto in the dialog of a Download tab.



(2) A push on the "Add" button displays the dialog which chooses a file. Here, a file called MD1230 ASUB_XXXX_XXXX.SYST (numbers with arbitrary X) in a Sub folder is chosen, and Open is pushed.

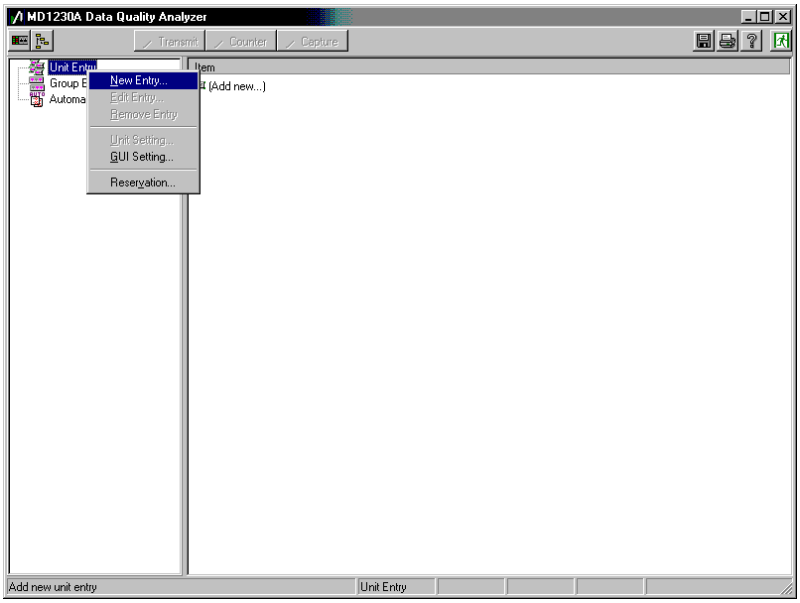


(3) A push on the "Execute" button performs download processing. It takes several minutes by completion. The "Exit" button becomes effective after download processing is completed.

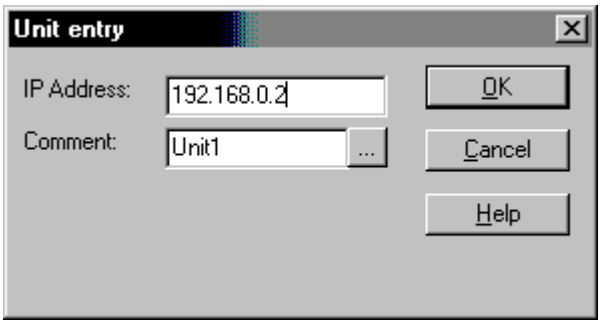


3.4 The setup of Main Application

(1) （It is not necessary to carry out by the software after Ver.4.0.）
Start “Main Application”, and chose “[Unit Entry] - [New Entry…]”.



Input IP address of Unit, and push “OK” button. (Confirm IP address of Unit with “IP Address tab” of Setup Utility.)



(2) **Caution!**

When Unit is connected, version check is started automatically.

Then, confirm the downloaded files and the installed files.

If there is the difference between the downloaded files and the installed files, the screen is appeared as follows.

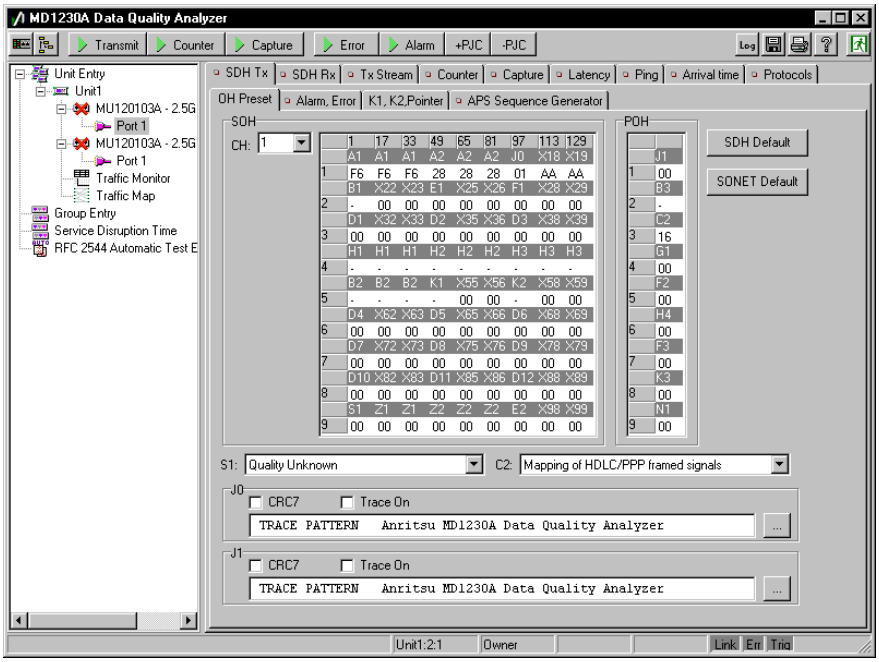


Program : The program's name which version information doesn't match.

Installed : The installed program version

Expected : The guaranteed program version

So, "x" appear at Unit icon as follows. In this case, you need to do "auto download" again.



3.5 Japanese help is indicated.

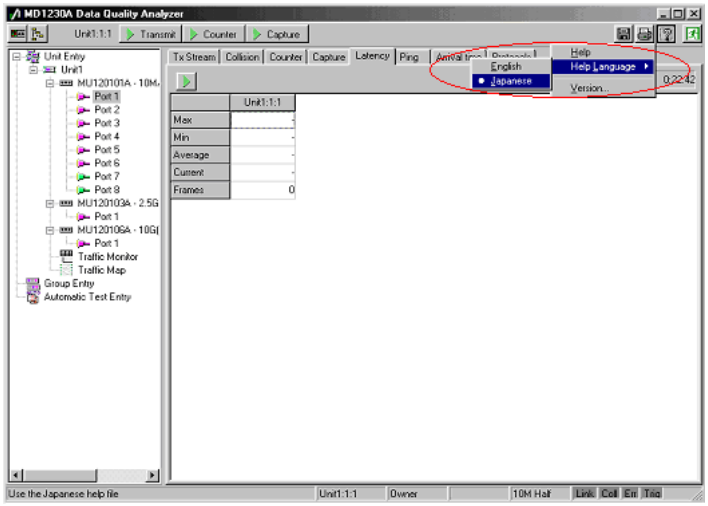
Caution!: It is not necessary to do this work if Japanese help is already indicated. It needs the work only when software of version 1.2 or earlier is upgraded.

(1) Install the following files into "C:¥md1230a¥Jfont" folder. It is performed by doing right-click on the file and choosing “Install” button.

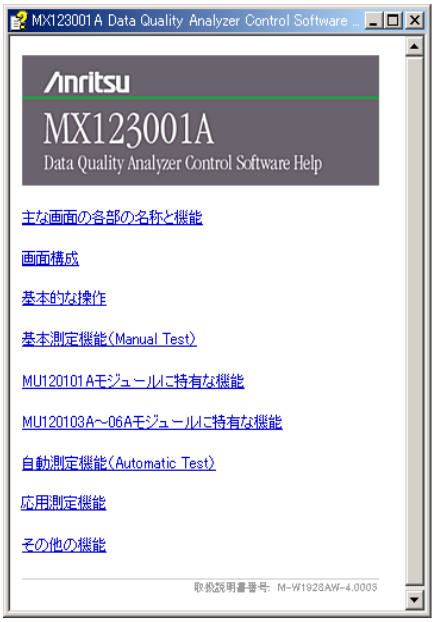
“Ja.inf” , “w95upd.inf”

(2) Copy "Msgothic.ttf" file from "C:¥md1230a¥JFont" folder to “C:¥WINDOWS¥FONTS” folder.

(3) Set up a language to "Japanese" with “Help Language” after you start Main application.



(4) Start “Help”, and confirm that “Japanese help” is indicated normally as follows.



4. MX123001A upgrade process

Caution!: MX123001A cannot be executed in Windows 95.

Caution!:

Please read the following when the MX123001A-01(Remote control software for MD1230A-04) and MX123003A(Remote control software for MX123002A) are installed.

1. If you uninstall MX123001A, then MX123001A-01 and MX123003A is also uninstalled. You need to move the result files of measurement(Ex capture files) to the directory except the MX123001A's install directory before the uninstallation of MX123001A.If the MX123001A-01 and MX123003A is uninstalled on the PC, then you need to reinstall the MX123001A-01 and MX123003A after the installation of MX123001A.
2. If you have the MX123001A-01 option installation disk FD(not CD-ROM),you need to do as follows.
   (1) Before installation of MX123001A-01, please copy the following three files from the "Main" folder of the installation directory of MX123001A.
   pimain.dll, psuite.cfg, pi_apple.pds
   The above-mentioned files are in
   "C:¥Program Files¥Anritsu¥MX123001A¥Main" by the default.
   (2) Please paste the three files into the "MX123001A" folder."C:¥Program Files¥Anritsu¥MX123001A" by the default.
   (3) Please perform installation by the option installer FD.
   (4) After installation, please copy the "Sniffer" folder."C:¥Program Files¥Anritsu" by the default.
   (5) Please paste the "Sniffer" folder into the "MX123001A" folder."C:¥Program Files¥Anritsu¥MX123001A" by the default.
   (6) An installation of MX123001A-01 is completion.
3. When the software Ver.4.2 or later is installed, it is necessary to do the following work after the Decode Module Option is reinstalled.

Please paste "SniffIt2.dll" file of etc¥DecodeModule folder in CD-ROM into the "MX123001A" folder. "C:¥Program Files¥Anritsu¥MX123001A" by the default.

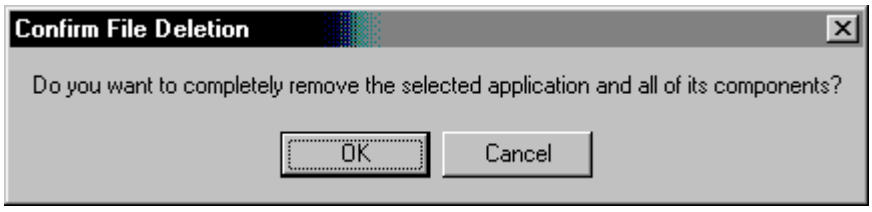
If this work is not done, the capture function cannot be used (when the capture result is displayed, the error message is displayed).

4.1 Uninstallation

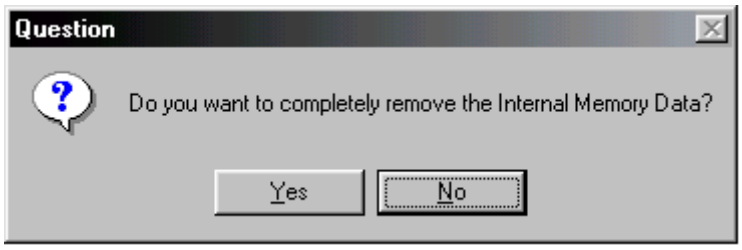
(1) If the application of MX123001A is opened, push the Exit application button in the upper right of the screen.

(2) Insert the setup disk into the CD-ROM drive and double-clicks “MX123001A-X.XX.XX.exe”.
Then uninstaller is started.

(3) Push “OK” button to the executive inquiry of the uninstallation.

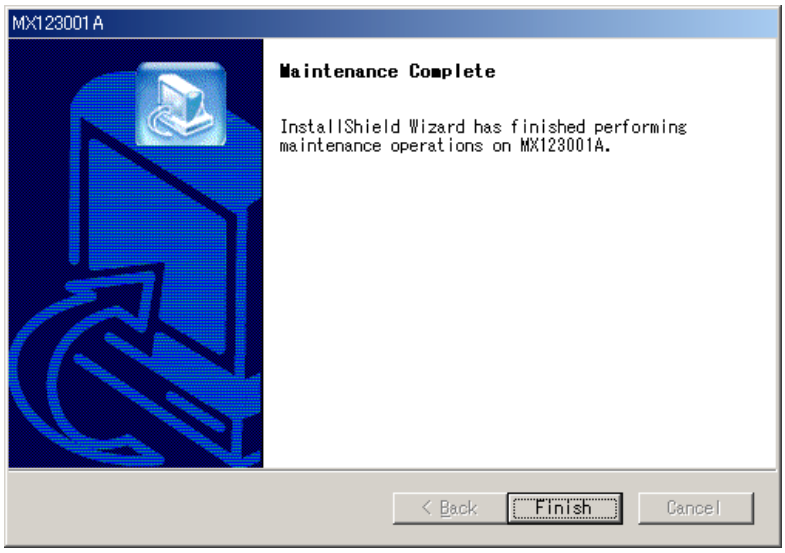


(4) Select if the measurement data saved on internal memory may be deleted.
In case of "Yes" : the setup data of MD1230A is removed on the internal memory.
In case of "No" : the setup data of MD1230A is remained on the internal memory.



(5) Push “Yes” button if the dialog which asks deletion of the Read Only file is displayed.

(6) Push “Finish” button on the following screen, and complete uninstallation.

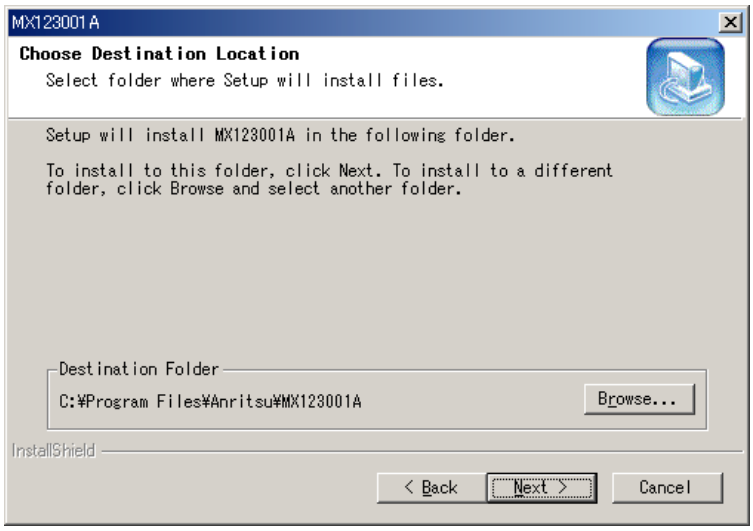


4.2 The installation

(1) Double-click “MX123001A-X.XX.XX.exe” in the setup CD-ROM after waiting about 10 seconds after uninstallation is completed and push “Next” button.

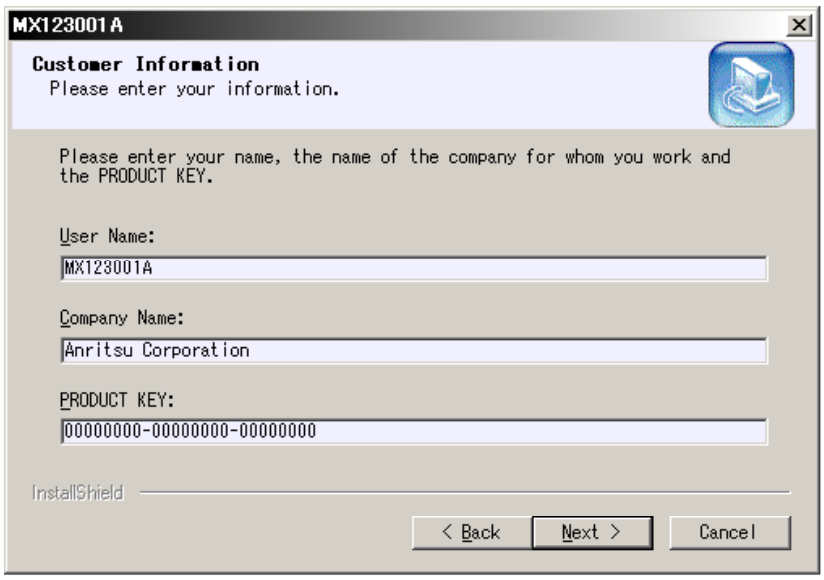
(2) Specify the folder for installing MX123001A. The following folder has been specified in advance.
C:¥Program Files¥Anritsu¥MX123001A

Caution!: Specify the folder which MX123001A has been installed in the present.

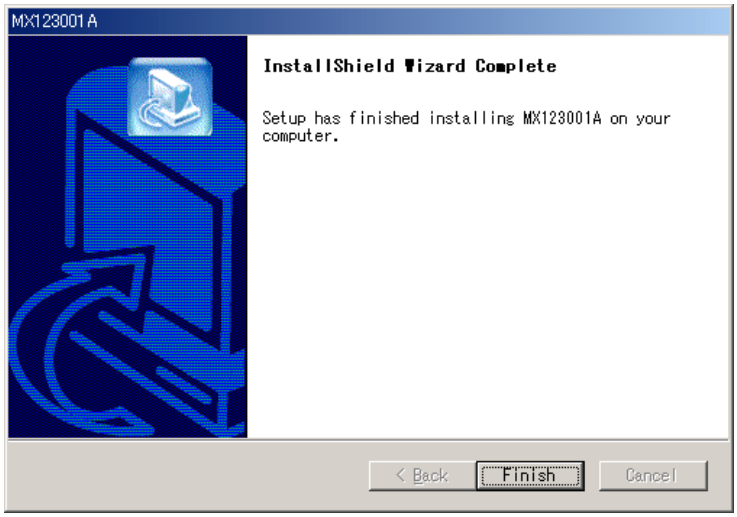


(3) Input "PRODUCT KEY". "PRODUCT KEY" has been shown on the CD case.

Caution!: The "Product key" include "-" (hyphen).
Don't forget inputting it.



(4) Push "Finish" button on the following screen, and complete installation.



Caution!:

If you want to use the measurement data and setting data of MD1230A/MD1230B/MD1231A which you saved at internal memory before Ver.3.0, you need to do as follows.

(1) Please copy the "Internal Memory" folder in the directory where MX123001A before Ver.3.0 was installed.

"C:¥Program Files¥Anritsu¥MX123001A" by the default.

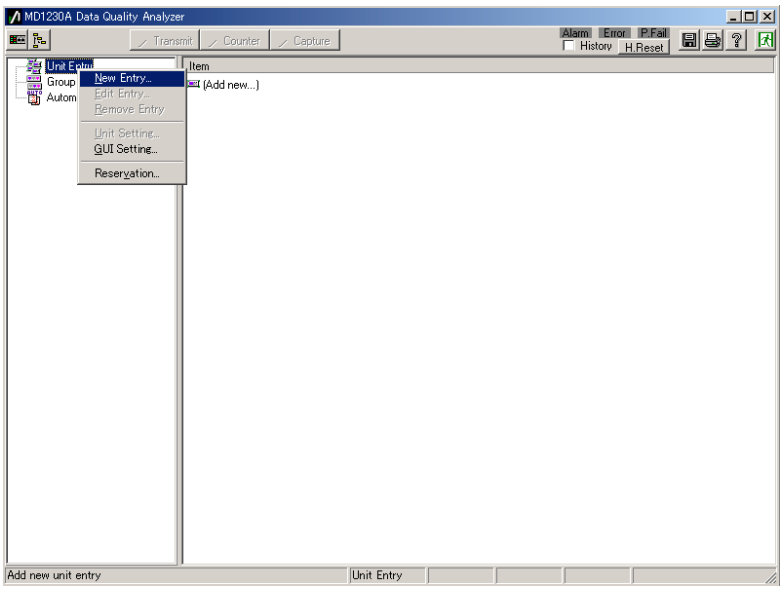
(2) Please paste the "Internal Memory" folder copied by "a" into the "Main" folder in the directory

where it is installed in MX123001A after Ver.3.1.

"C:¥Program Files¥Anritsu¥MX123001A¥Main" by the default.

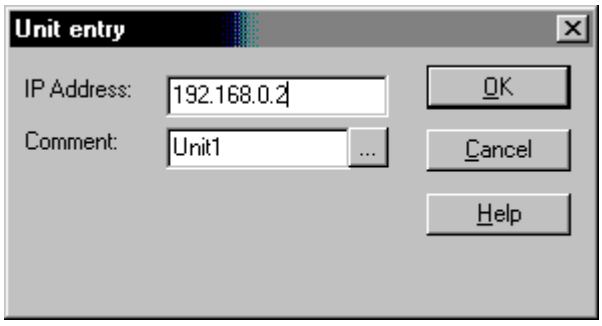
(3) It is completion.

4.3 The setup of Main Application



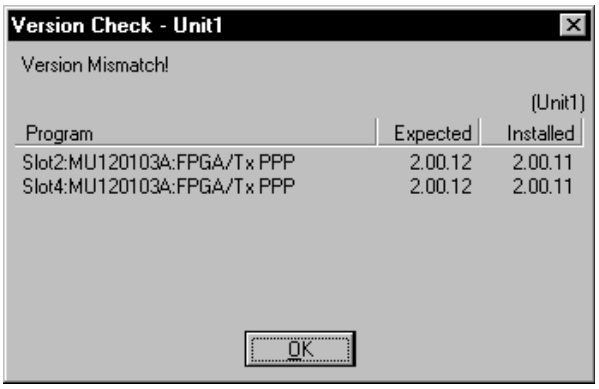
(1) Start “Main Application”, and chose “[Unit Entry] - [New Entry...]”.

(2) Input the IP address of Unit of MD1230A/MD1230B/MD1231A for connection, and Push “OK” button.



When Unit is connected, version check is started automatically. Confirm the downloaded files and the installed files.

If there are the difference between the downloaded files and the installed files, the screen is appeared as follows.

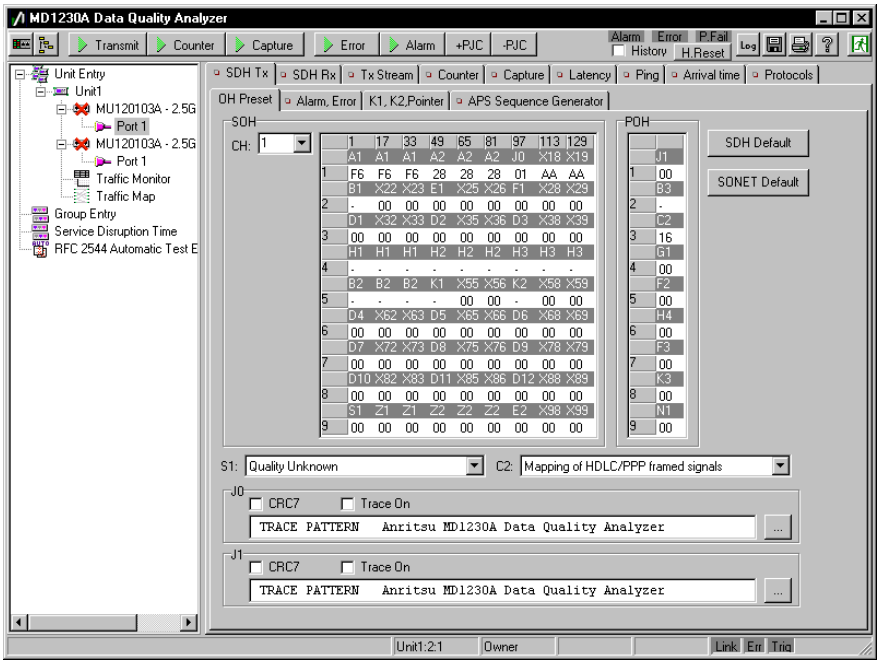


Program : The program's name which version information isn't match.

Installed : The installed program version

Expected : The guaranteed program version

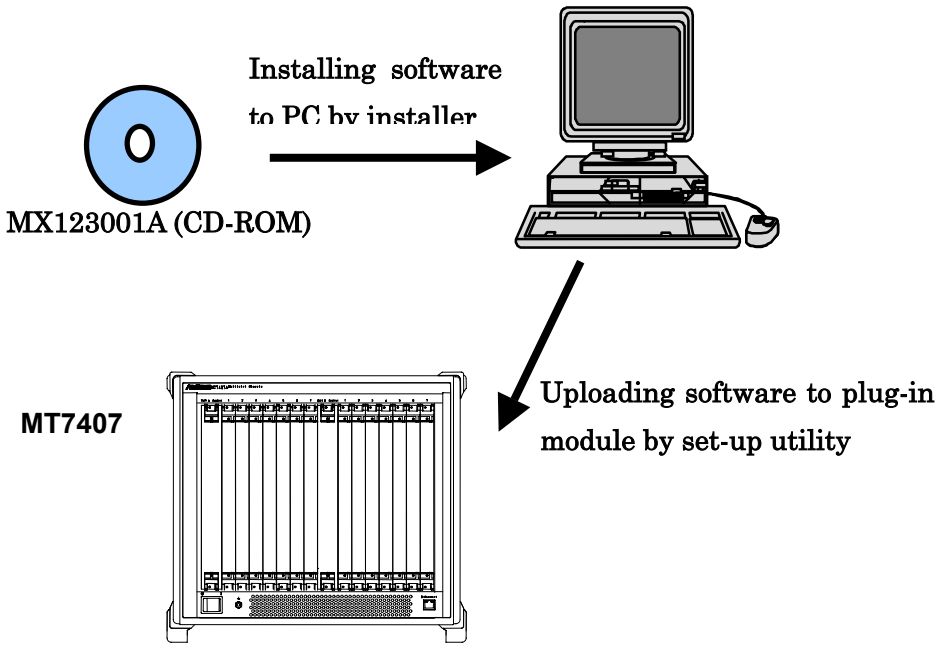
So, "x" appear at Unit icon as follows.



5. MT7407A Upgrade Process

(1) Power on the MT7407A and wait unit the MT7407A program completes the boot-up process. (The end of process can be confirmed by "Ready" lamp.)
(2) Connect PC and the MT7407A by Ethernet cable.
(3) Connect PC and the MU740701A by "RS-232C" cross cable.
(4) The software (MX123001A) is installed into external PC to control MT7407A. The actual procedure for install has been described in 4 (MX123001A upgrade process).
(5) Serial Selector is started and the COM port of PC connected by (3) is specified.
(6) The software is uploaded in main unit by setup-utility.

Start the "Serial Selector" and "Setup Utility" with "start menu of Windows". The actual procedure for download has been described in 3.3 (Downloading of internal software and the FPGA data).



Imagination of upgrade

6. Q&A

Q. It is impossible to download. A unit can not be registered at Main Application.

A. Confirm the IP address of MD1230A/MD1230B/MD1231A. Start “Setup Utility” and click “IP address tab”. If the indicated value is not as follows, change it as follows.

Windows

IP Address: 192.168.0.1

Netmask: 255.255.255.0

Gateway: 0.0.0.0

Unit

IP Address: 192.168.0.2

Netmask: 255.255.255.0

Gateway: 0.0.0.0

Q. Is there how to read the data saved by the software of old version.

A. It is possible to read by using "Setup File Converter". Refer to “MD1230A/MD1230B/MD1231A Data Quality Analyzer Operation Manual” about "Setup File Converter".

Q. After Unit is registered,Unit icon is “x”.

A. Refer to "Release Note", and confirm the version of the downloaded file. If there is mistake, download the software again.

Q. Error message "Communication error" appears just after clicking "Execute" button when the download is performed with "setup utility".

A. After the error, in case the download is completed normally and other error doesn't appear, it is no problem. Please use without thinking it. If other error appear, please ask us.