

MX900021A

Remote Screen Software Operation Manual

Second Edition

- For safety and warning information, please read this manual before attempting to use the equipment.
- Additional safety and warning information is provided within the MT9083 Series ACCESS Master Operation Manual. Please also refer to this document before using the equipment.
- Keep this manual with the equipment.

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This indicates a note. The contents are described in the box.



These indicate that the marked part should be recycled.

MX900021A

Remote Screen Software Operation Manual

9 October 2009 (First Edition)

29 June 2012 (Second Edition)

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- Network connections
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About This Manual

By connecting a personal computer to a projector, etc., the screens displayed to the MT9083A/B/C or MT9083A2/B2/C2 can be shown and the operation of the GUI, etc., can be explained to multiple persons.

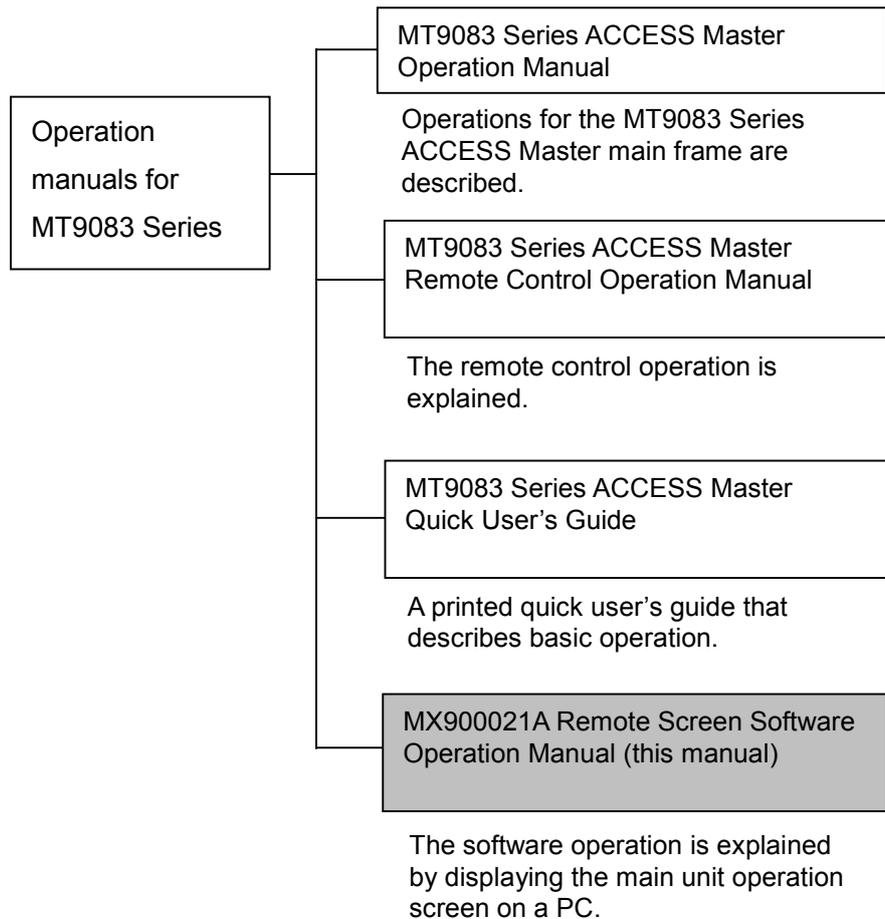


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Appendix

Chapter 1 Outline

This chapter provides an overview and describes the configuration and specifications of this software.

The screenshots used in this manual assumes the use of MT9083A/B/C.

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1.1 Introduction

The MX900021A screen display software is software to display the MT9083 Series ACCESS Master screens to a personal computer via USB.

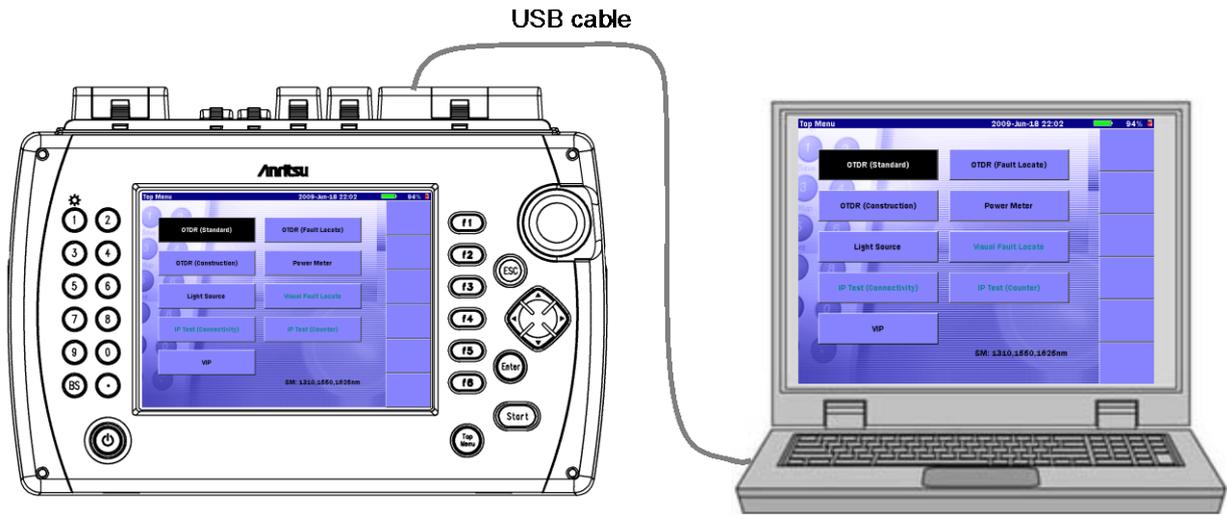


Figure 1.1-1 Use Example

This software operates on the English versions of Windows XP and Windows 7 (32 bit).

The following things can be done by using this software.

- Saving waveform screen data on a Windows screen
- Remote monitoring using the remote desktop function

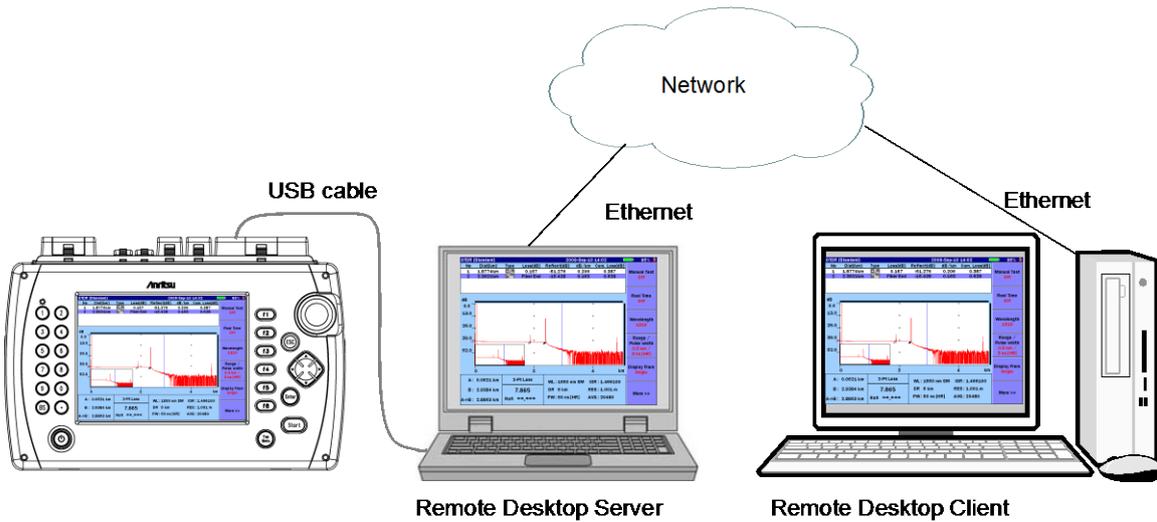


Figure 1.1-2 Example of Remote Monitoring Using Remote Desktop

1.2 Product Configuration

The product configuration is shown below.

This product is included in the CD-ROM provided as standard with MT9083A/B/C ACCESS Master.

Table 1.2-1 Standard Accessories

Model/Ordering Number	Name
MX900021A	Remote Screen Software
W3327AE	MX900021A Remote Screen Software Operation Manual

The MX90021A folder is on the CD-ROM and contains the following folders and files.

MX900021A

Exe

MX900021A Remote Screen Software.exe

usbcom.dll

Driver

libusb0.dll

libusb0.inf

libusb0.sys

1.3 Specifications

The operating environment of and restrictions on this software are described below.

Table 1.3-1 Operating Environment

Item	Specifications
Compatible OS	Microsoft Windows XP Professional Service Pack 2 (SP2) or later, English version Microsoft Windows 7 (32 bit) Professional Service Pack 1 (SP1) or later, English version
Screen Resolution	800 × 600 or higher
Interface	USB 1.1 or 2.0
Free hard disk space	15 MB or more
MT9083A/B/C software version	5.20 or later
MT9083A2/B2/C2 software version	1.00 or later

Restrictions:

- Only one ACCESS Master unit can communicate with this software.
- This software does not have screen capture and print functions.
- ACCESS Master cannot be operated from the screens of this software.

Chapter 2 Installing Software

This chapter explains how to install and uninstall this software.

The screenshots used in this manual assumes the use of MT9083A/B/C.

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2.1 Preparation

Required Environments

The following is required to install this software.

- ACCESS Master
- MT9083A/B/C whose firmware version is 5.20 or higher
Or
MT9083A2/B2/C2 whose firmware version is 1.00 or higher
- USB cable (USB cable with A-B plugs for peripheral equipment connection)

Note:

When installing the USB driver on the PC, administrator authority is required.

Installation Procedure

The installation procedure consists of the following sequence of steps. Since communication with ACCESS Master is done during the installation of the USB driver, switch ACCESS Master to the screen USB Video output mode prior to installation.

- Switch ACCESS Master to screen output mode
- Installing USB Driver
- Registration to Start menu

Switch ACCESS Master to screen output mode

1. Turn on the power of ACCESS Master.
2. Skip to Step 3 if using MT9083A2/B2/C2.

Press the **5** key on the top menu. Then press the **f6** key to display About. Check that the firmware version is 5.20 or higher.

If the firmware version is lower than 5.20, obtain the latest firmware from the Anritsu website.

<https://www1.anritsu.co.jp/Download/MService/Login.asp>

For the firmware version upgrade method, refer to Chapter 3

“General Operation/System Setups” in the MT9083 Series ACCESS Master Operation Manual.

3. Press the **5** key on the top menu to display the General settings.
4. Set **USB Video Output** to **On**.
5. Turn off the power of ACCESS Master.

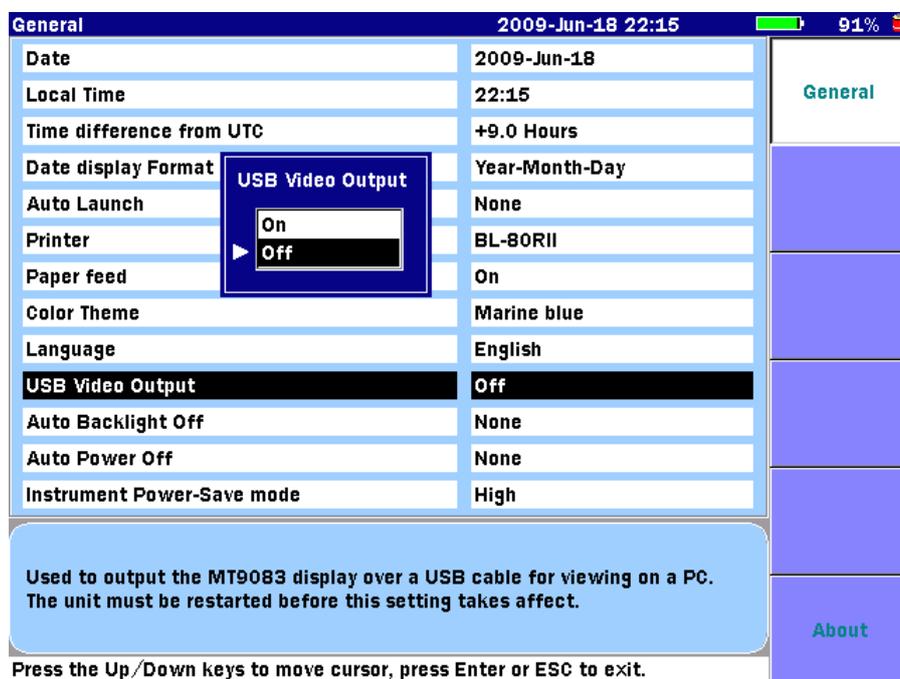


Figure 2.1-1 General Settings Screen of MT9083A/B/C

Note:

When **USB Video Output** is set to **On**, access from the PC to the internal memory of ACCESS Master is not possible.

2.2 Installing USB Driver (Windows XP)

This section explains the method of installing the USB driver. The use of Windows 7 is assumed.

1. Copy the MX900021A folder on the CD-ROM to the PC.
2. Turn on the power of the ACCESS Master and the PC, and connect them with a USB cable.

The ACCESS Master should be placed in the screen output mode in advance, referring to section 2.1.

3. When the cable is connected in the above conditions, the **Found New Hardware** Wizard screen appears.
4. Select **No, Don't Connect** and click **Next**.

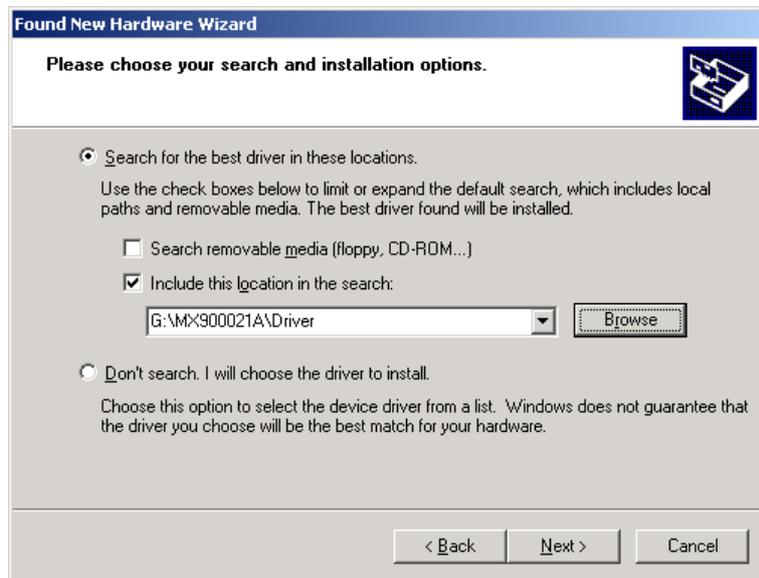
Note:

Depending on the Windows XP version, the above screen may not appear.

5. The wizard asks “What do you want the wizard to do?”



6. Select **Install from a list or specific location (Advanced)**, and then click **Next**.
7. The **Please choose your search and installation options** page appears.



8. Select **Search for the best driver in these locations** and then select **Include this location in the search**. Specify the Driver folder located in the MX900021A folder saved in Step 1. (Click **Browse** and **browse to** the folder you saved on the PC is clicked.)
9. Click **Next** to start the driver installation.



10. The installation has been successfully completed when the completion message is displayed. Press **Finish**.

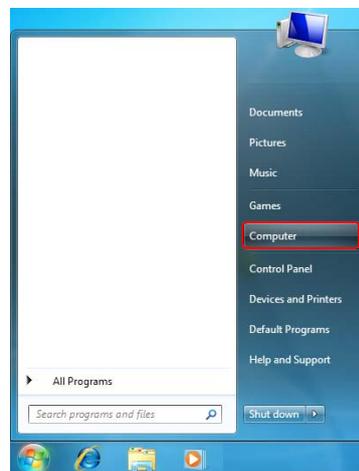
2.3 Installing USB Driver (Windows 7)

This section explains the method to install the USB driver. The use of Windows 7 is assumed.

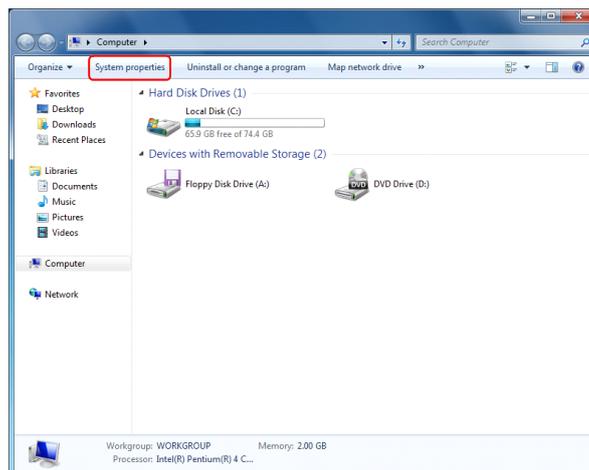
1. Copy the MX900021A folder on the CD-ROM to the PC.
2. Turn on the power of ACCESS Master and the PC, and connect them with a USB cable.

Set ACCESS Master beforehand to the screen output mode, referring to section 2.1.

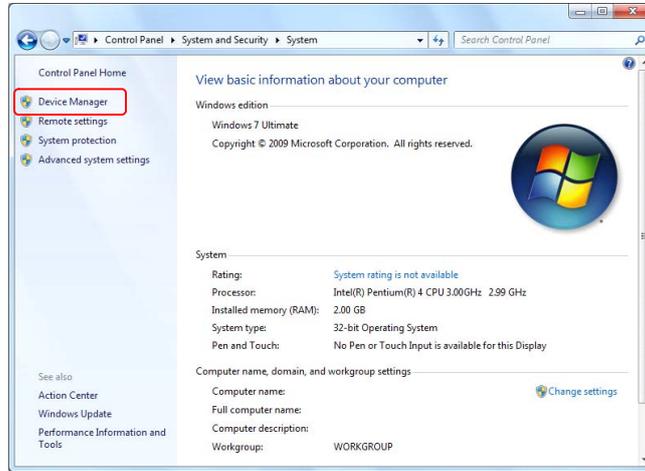
3. Click **Start menu** and click **Computer**.



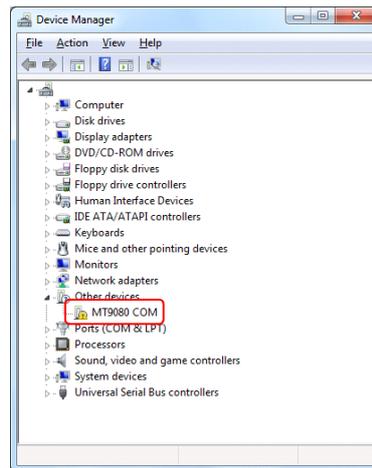
4. Click **System properties**.



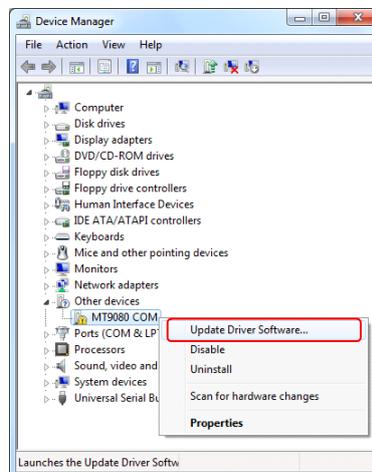
5. Click **Device Manager**.



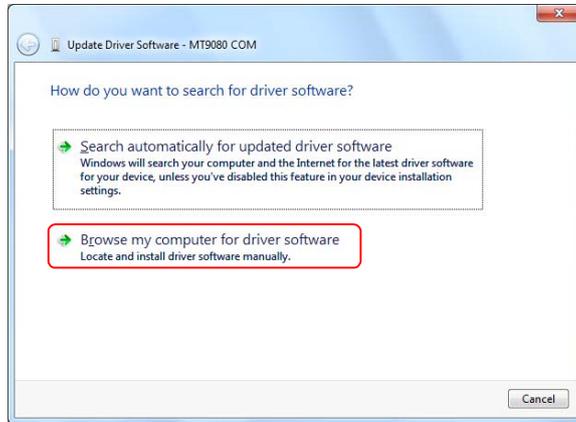
6. Check that **MT9080 COM** is listed in the Device Manager.



7. Right-click **MT9080 COM** and select **Update Driver Software....**



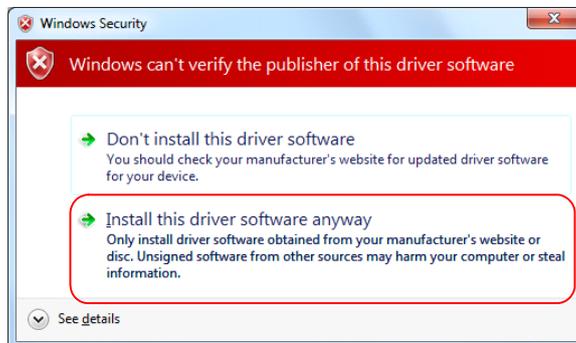
8. Select **Browse my computer for driver software**.



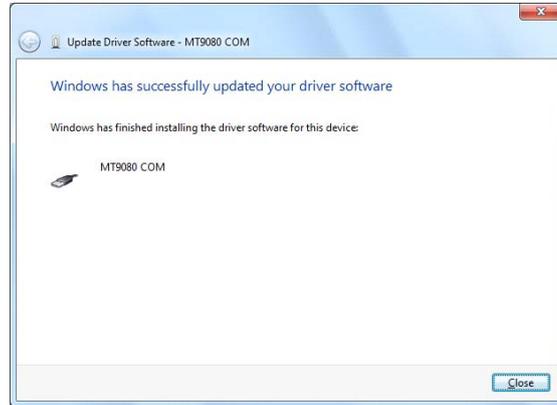
9. Specify the Driver folder located in the MX900021A folder saved in Step 1. (The folder can be selected when **Browse** is pressed.)



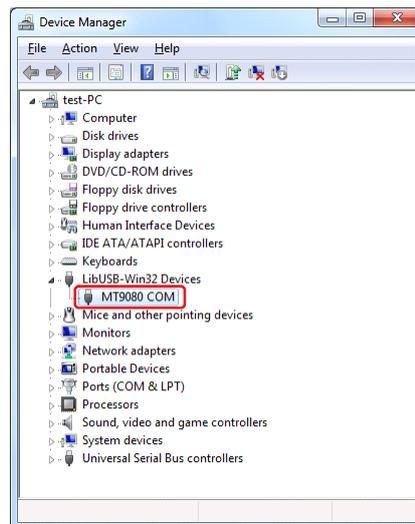
10. Click **Next** to start the driver installation.
11. Click **Install this driver software anyway** when Windows Security message is displayed.



12. The installation has been successfully completed when the completion message is displayed. Click Close.
(Restart the PC if requested.)



13. MT9080 COM is listed under LibUSB-Win32 Devices.

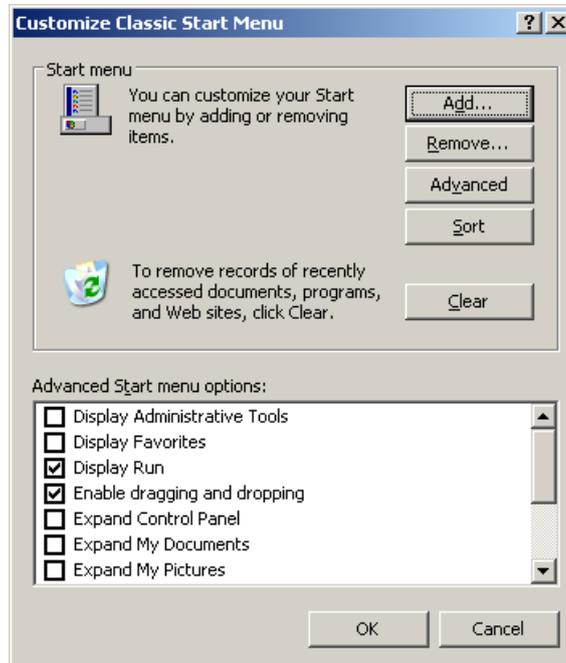


2.4 Registration to Start Menu Register the file copied in step 1 of section 2.2 to the Start menu of Windows.

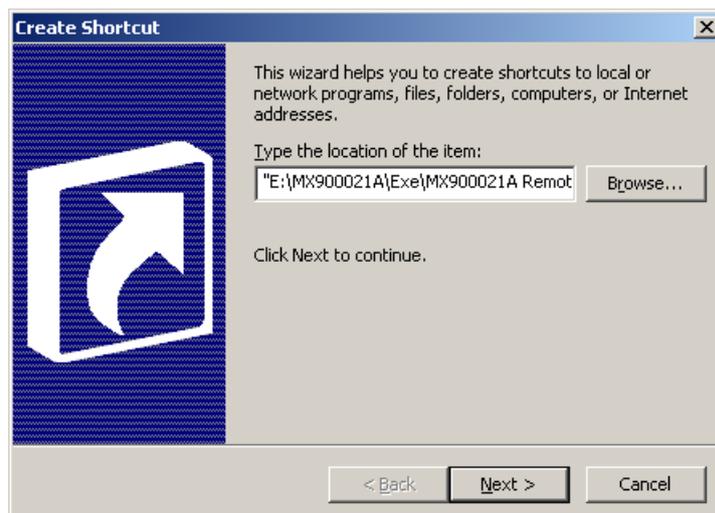
1. From the Start menu of Windows, select Control Panel.
2. Double-click **Taskbar and Start Menu**.



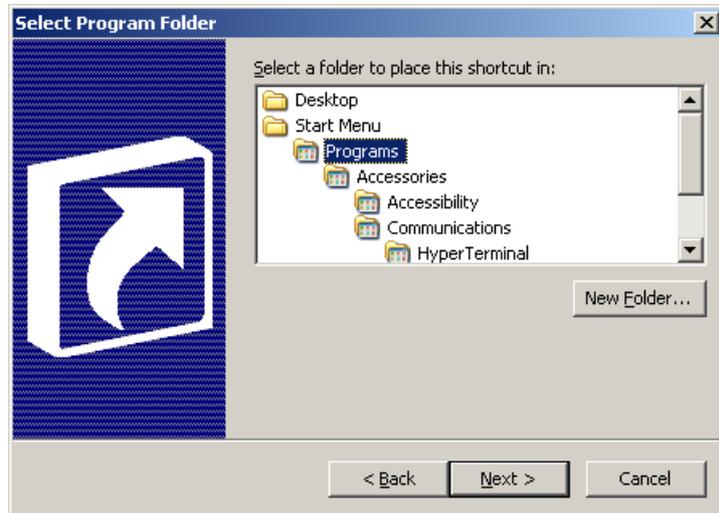
3. Click the **Start Menu** tab.
4. Select classic **Start Menu** and click **Customize**.



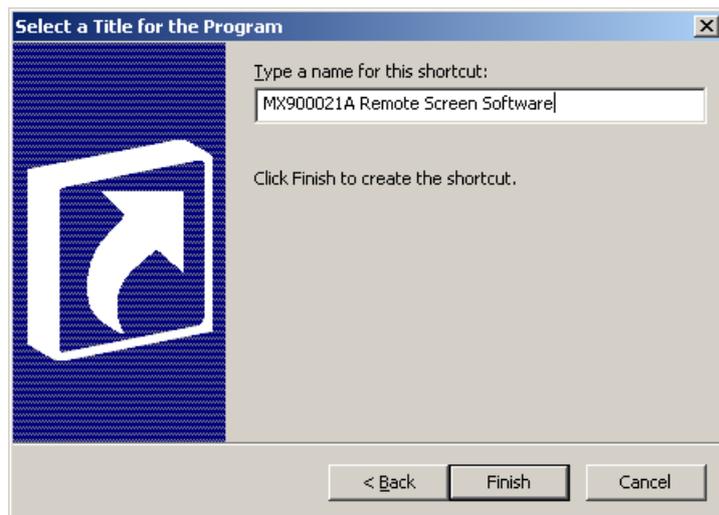
4. Click **Add**.
5. Press the **Browse** button, and then select MX900021A Remote Screen Software.exe, which is in the MX900021A folder saved in step 1 of section 2.2.



5. Click **Next**.



6. Select the program folder and click **Next**.



7. Input the name to be displayed in the Start menu and then click **Finish**.
8. Check if the Start menu program has been registered.

2.5 Uninstalling Software

Uninstallation Procedure

The uninstallation procedure consists of the following sequence of steps. Since communication with ACCESS Master is done during the uninstallation of the USB driver, switch ACCESS Master to the screen output mode prior to uninstallation.

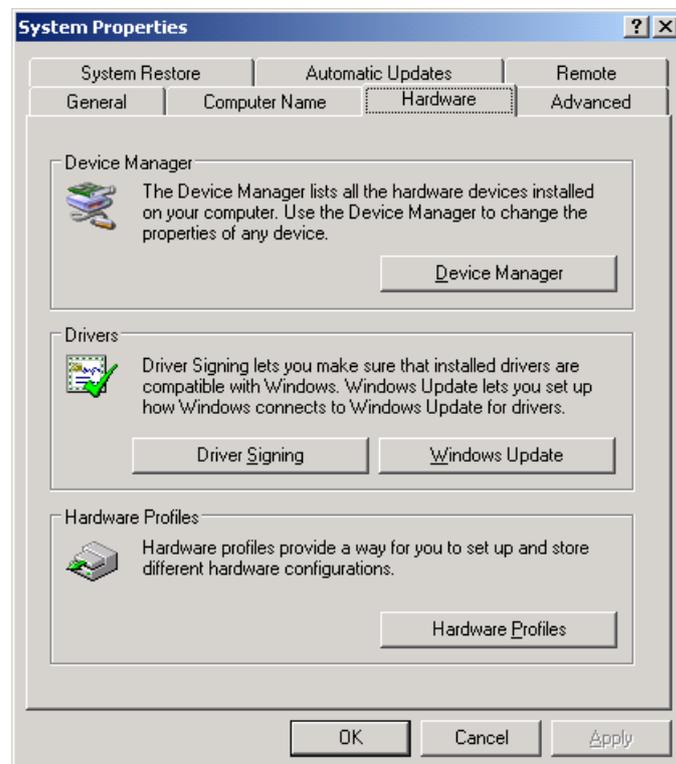
- Uninstalling USB Driver
- Deleting Start menu shortcut

USB Driver Uninstallation Procedure

1. Turn on the power of ACCESS Master and the PC, and connect them with a USB cable.

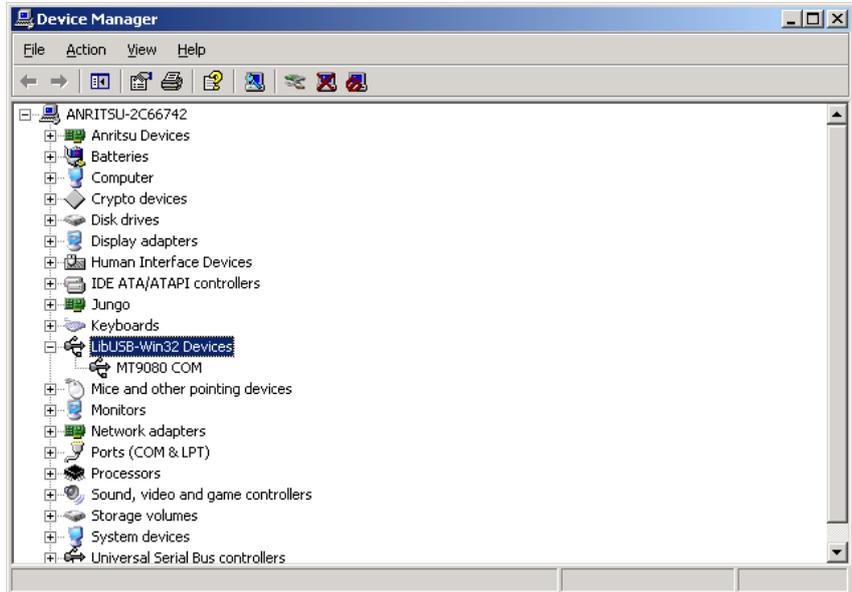
Set ACCESS Master beforehand to the screen output mode, referring to section 2.1.

2. Click Control Panel from the Start menu of Windows.
3. Double-click **System**.
4. Click the **Hardware** tab.

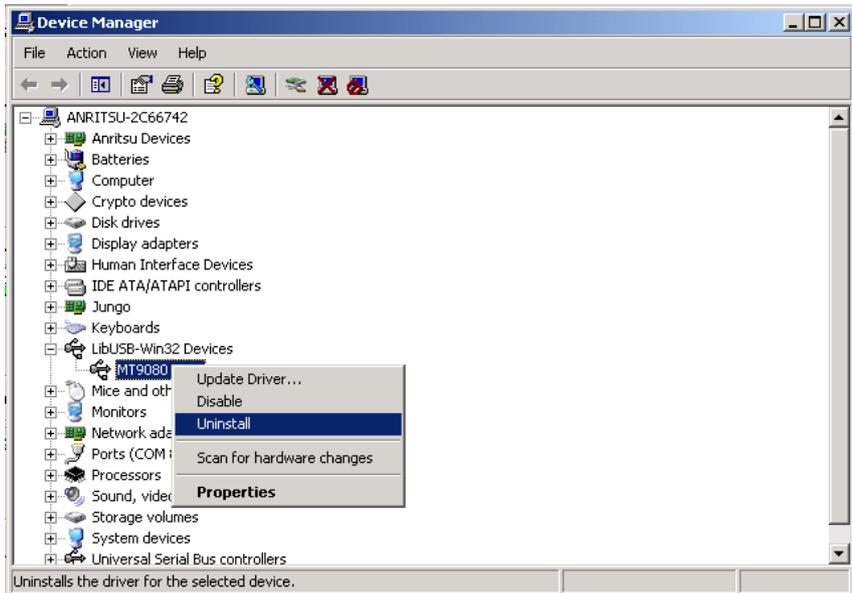


5. Click **Device Manager**.

6. Double-click LibUSB-Win32 Devices.



7. Right-click MT9080 COM and then click **Uninstall**.



8. The **Confirm Device Removal** dialog box is displayed, so click **OK**.



9. Check if LibUSB-Win32 Devices has been uninstalled.
10. Close Device Manager, System Properties and other opened screens.
11. Disconnect the USB cable connected to the ACCESS Master.

Start menu shortcut deletion procedure

1. Right-click the shortcut in the Start menu that was registered in section 2.4.
2. Click **Delete**.
3. The file deletion confirmation dialog box is displayed, so click **Yes**.

Chapter 3 Connection and Use

This chapter explains how to connect ACCESS Master and use this software.

The screenshots used in this manual assumes the use of MT9083A/B/C.

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3.1 Before Use

3.1.1 Connecting ACCESS Master

Procedure

1. Turn on the power of ACCESS Master.
2. Skip to Step 3 if using MT9083A2/B2/C2.
Press the **5** key on the top menu. Then press the **f6** key to display About. Check that the firmware version is 5.20 or higher.
If the firmware version is lower than 5.20, obtain the latest firmware from the Anritsu website.
<https://www1.anritsu.co.jp/Download/MService/Login.asp>
For the firmware version upgrade method, refer to Chapter 3 “General Operation/System Setups” in the MT9083 Series ACCESS Master Operation Manual.
3. Press the **5** key on the top menu to display the General settings.
4. Set **USB Video Output** to **On**.
5. Turn off the power of ACCESS Master.
6. Connect ACCESS Master and the PC with a USB cable.

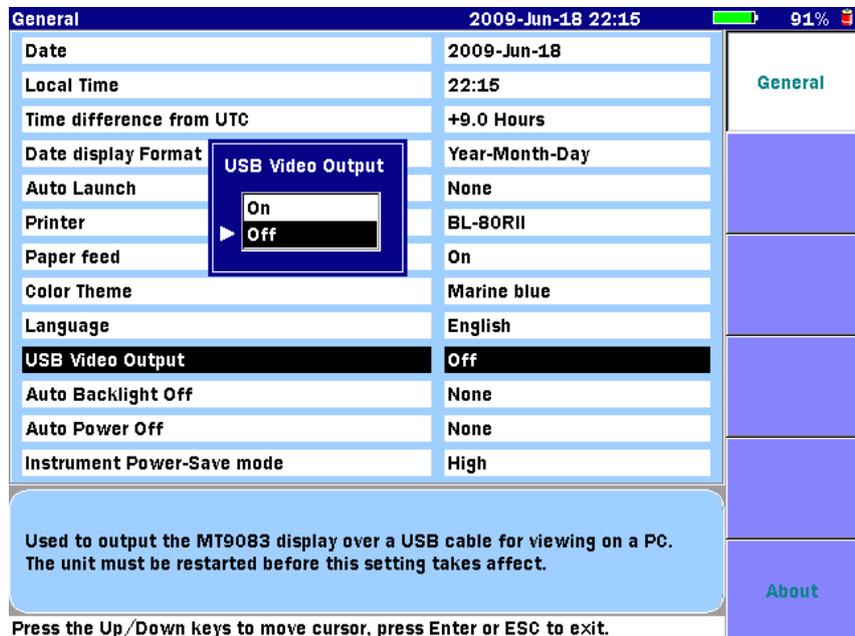


Figure 3.1.1-1 General Settings Screen of ACCESS Master

Note:

When **USB Video Output** is set to **On**, access from the PC to the internal memory of ACCESS Master is not possible.

3.1.2 Disconnecting ACCESS Master

Procedure

1. Exit from this software.
2. Disconnect the USB cable from the PC.

Note:

When **USB Video Output** is set to **On** and the USB cable is connected, the **Safely Remove Hardware** icon is not displayed on the PC.

3.2 Using the Software

Starting the software

1. Double click MX900021A Remote Screen Software.exe in the MX900021A folder copied in step 1 of section 2.2.
2. A screen is displayed.
If an error is displayed, check the connection of the USB cable and the ACCESS Master settings.

Note:

Black banding will occur across the screen of the MT9083A/B/C during operation. This is due to image capture by the PC and is not a malfunction.

Pausing the display

1. Click the display to display the **STOP** button at the upper left of the screen.
2. Click the **STOP** button. 'MX900021A Remote Screen Software – Paused –' is displayed on the title bar.

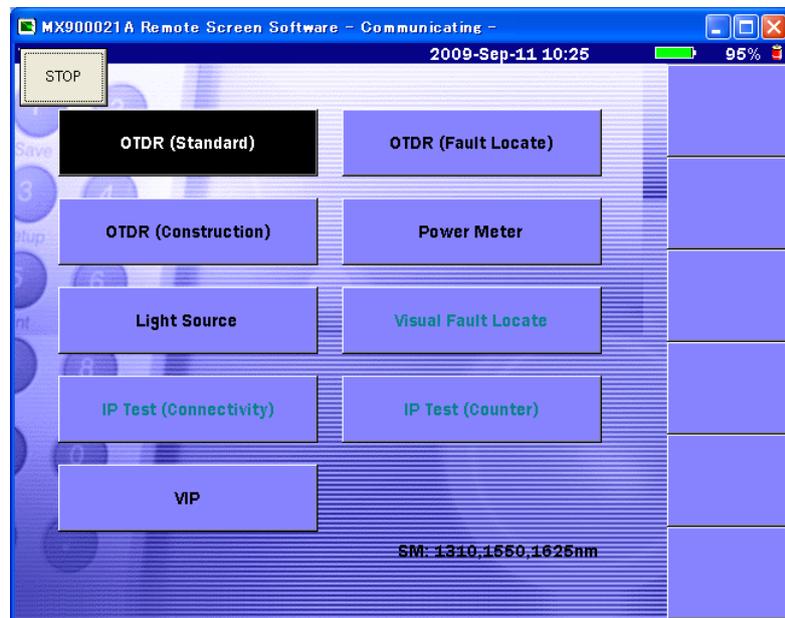


Figure 3.2-1 STOP Button Display Example

To hide the **STOP** button, click the screen again.

Canceling display pause

1. The **START** button is displayed on the screen while the display is paused.
2. Click the **START** button. 'MX900021A Remote Screen Software – Communicating –' is displayed on the title bar.

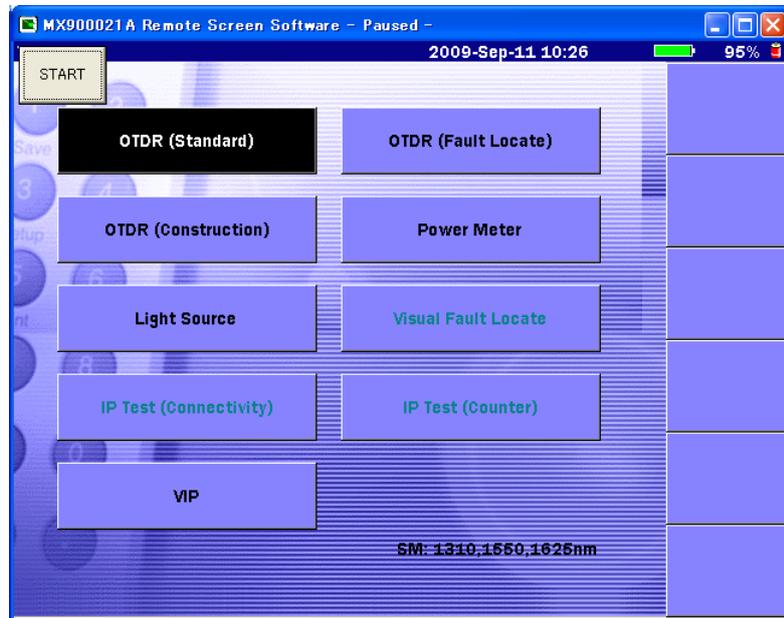


Figure 3.2-2 START Button Display Example

To hide the **START** button, click the screen.

Changing the window size

1. Drag one of the corners of the screen.

Exiting the application

1. The application can be exited in one of the following ways.
 - Click the Close button ([x]) at the top right of the screen.
 - Right-click the title bar and select Exit.
 - Right-click the MX900021A task bar and select Exit.
2. The exit confirmation dialog box is displayed, so click **OK**.

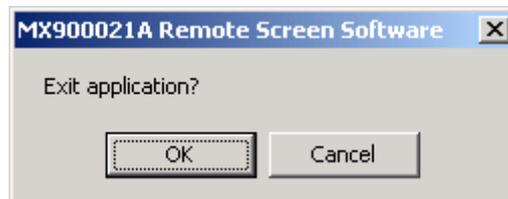


Figure 3.2-3 Exit Confirmation Dialog Box

3.3 Checking Version Information

1. Start Explorer from the Start menu of Windows.
2. Open the folder to which this software was copied in step 1 of section 2.2 in Chapter 2.
3. Display the properties of MX900021A Remote Screen Software.exe
4. Click the Version tab in Properties.
5. Confirm the File Version.

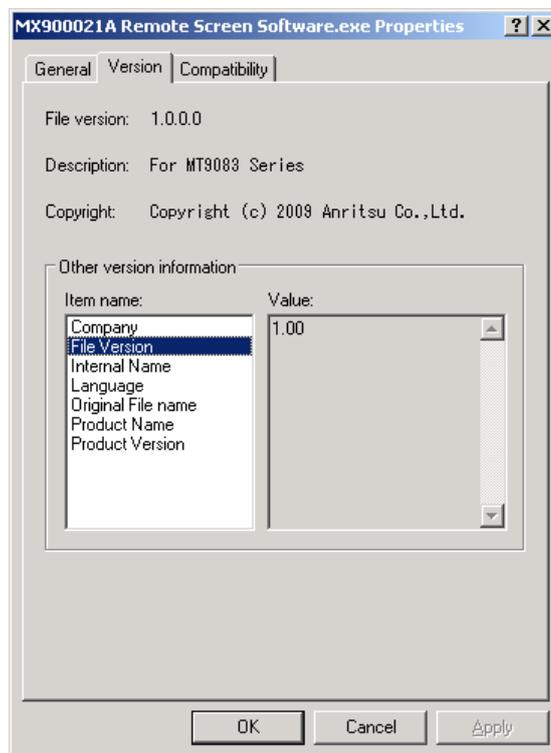


Figure 3.3-1 Program Version Display

3.4 Error Messages

This software has the following error messages.

Table 3.4-1 Error Messages

Messages	Cause
Cannot connect to the ACCESS Master Check the following items <ul style="list-style-type: none"> • Is the ACCESS Master connected to the PC through a USB cable? • Is the ACCESS Master configured in Video Output mode? 	ACCESS Master was not detected when this software was started up.
Can't connect to the ACCESS Master Check the USB cable and ACCESS Master	ACCESS Master could not be detected when display pause was canceled.
Can't get the image from the ACCESS Master. Check the USB cable.	Communication with ACCESS Master was disrupted during screen display.

If communication with ACCESS Master is not possible, 'MX900021A Remote Screen Software – Communication failure –' is displayed on the title bar.

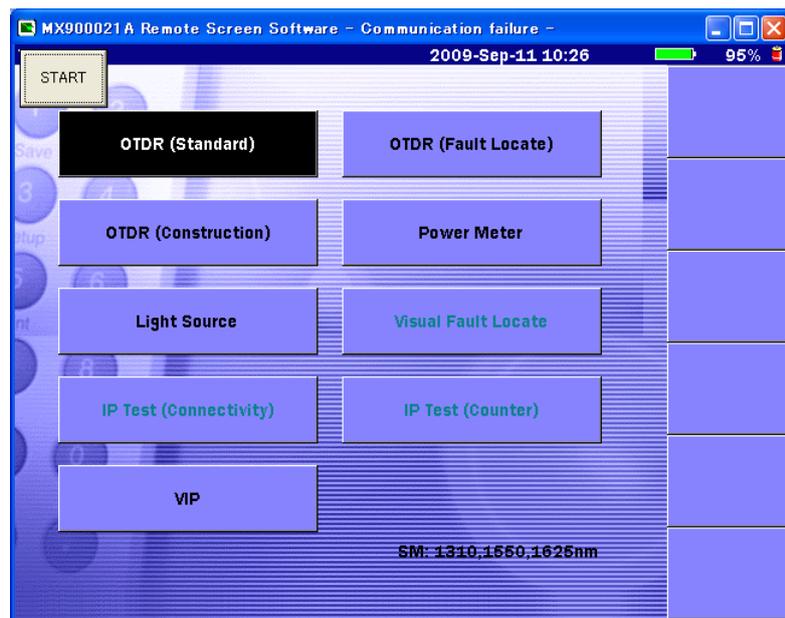


Figure 3.4-1 Example of Display when Communication with ACCESS Master Is Not Possible

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