

USB Camera Module Control Driver

UsbCamIF

Version 2.0.0.0

Installation Manual

Refer to this installation manual when installing the USB camera control driver in the PC.

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HAMAMATSU

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Introduction

The UsbCamIF driver controls the operations of the USB (Universal Serial Bus) camera module.

This manual describes the installation procedure of the USB camera module control driver that supports Windows.

Carry out the setup operations referring to this manual.

Compliant operating systems

This driver is compliant with the following operating systems.

- Microsoft Windows 2000® (Service Pack 4 or higher)
- WindowsXP® (Service Pack 1 or higher)

Driver software

The CD-ROM provided contains the following driver software.

- UsbCamIF.sys
- UsbCamIF.inf

Follow these steps to install/upgrade the driver.

4.1 Installing the driver

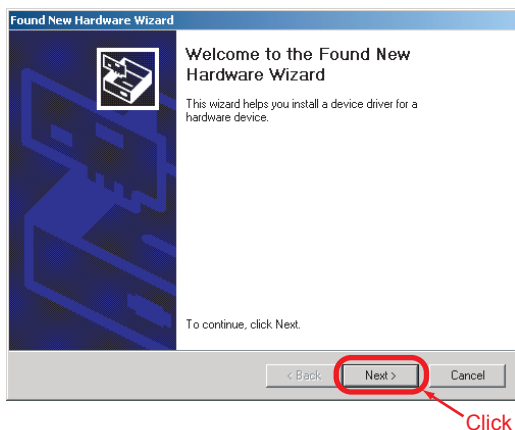
4.1.1 Windows 2000®

The installation procedure is explained under the assumption that the Windows 2000 Service Pack 4 (Hereafter abbreviated as "SP4") OS has been updated.

In case SP4 or higher has not been updated, download and install the Service Pack (Program for updating) from Microsoft's home page (Hereafter abbreviated as "HP"). After the Service Pack is installed carry out "Windows Update".

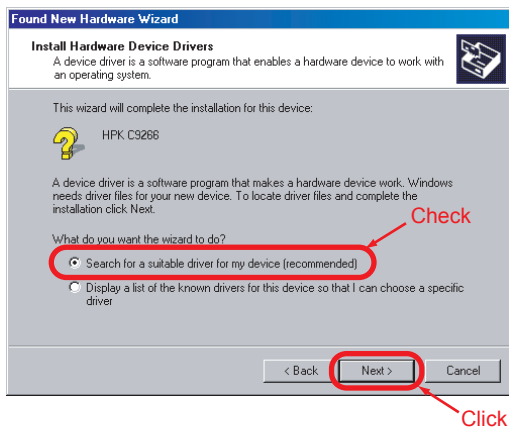
Regarding the procedure and details for Service Pack, please refer to Microsoft's HP.

1. Connect the USB camera module to the PC with the USB cable.
2. Switch on the PC. (When the USB camera module is connected to an external power source, switch it on after the PC has been turned on.)
3. First the "Found New Hardware" window is displayed followed by "Found New Hardware Wizard" window. Click the "Next >" in the second window.



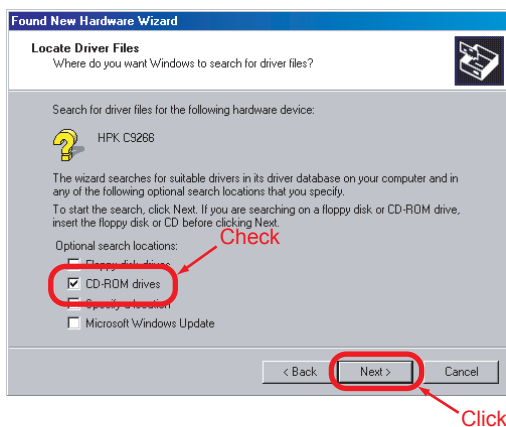
4. Next, in the "What do you want the wizard to do?" window confirm that "HAMAMATSU xxxxx" or "HPK xxxxx"(xxxxx : Product number) is displayed, click the "Search for a suitable driver for my device [recommended]" radio button to select it and then click the "Next >" button.

■Example of "C9266"



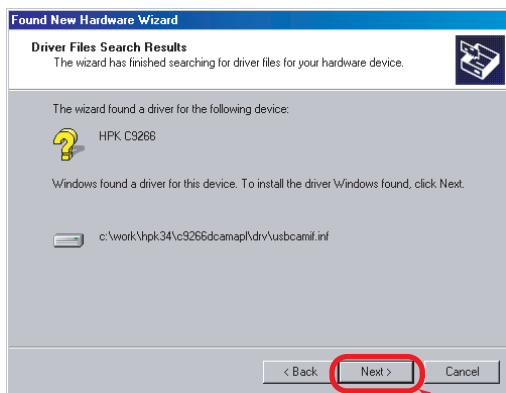
5. In the following window, click the "CD-ROM drives" check box to select it and then click the "Next >" button.

■Example of "C9266"

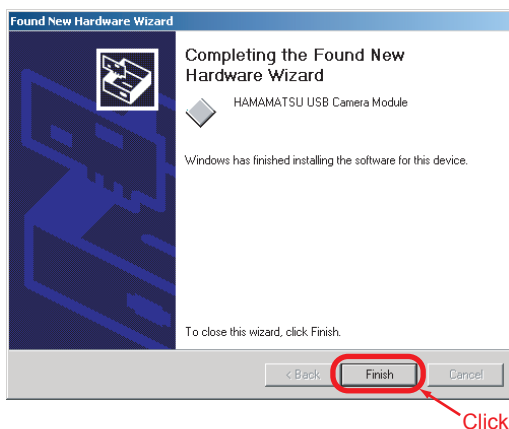


6. In the "The wizard found a driver for the following device:" window, after the "HAMAMATSU xxxxx" or "HPK xxxxx"(xxxxx : Product number) driver has been identified and "UsbCamIF.inf" has been confirmed in the driver location, click the "Next >" button.

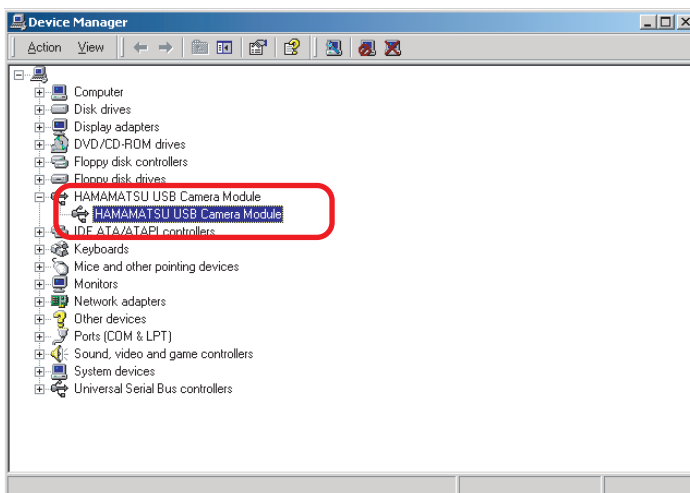
■Example of "C9266"



7. After the required files are copied, confirm that the following window is displayed and click the "Finish" button. The driver is now installed.



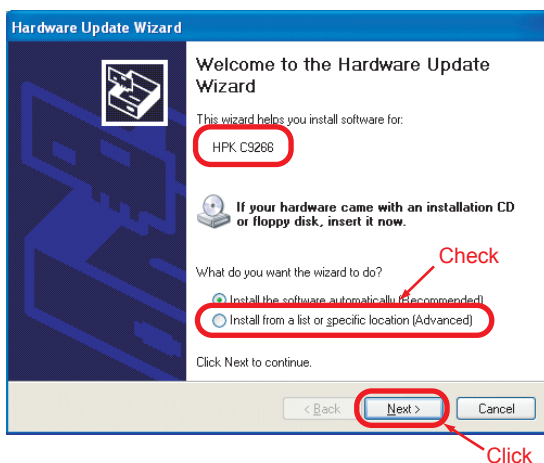
8. After the driver is installed right click on "My Computer" and select "Properties". The "System Properties" window will be displayed. In this window, click the "Hardware" tab and then click the "Device Manager" button. Check whether "HAMAMATSU USB Camera Module" is displayed in the device manager window.



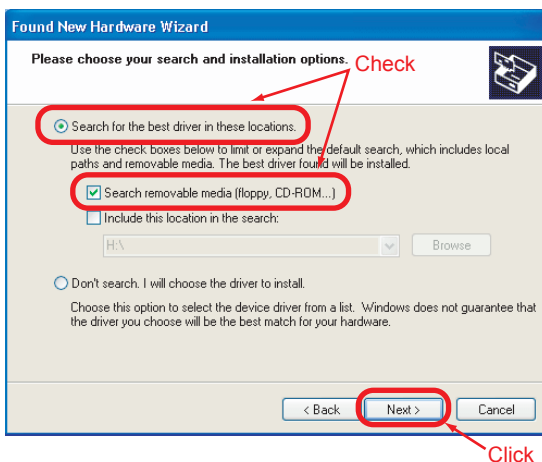
4.1.2 Windows XP®

1. Connect the USB camera module to the PC with the USB cable.
2. Switch on the PC. (When the USB camera module is connected to an external power source, switch it on after the PC has been turned on.)
3. Check that "HAMAMATSU xxxxx" of "HPK xxxxx"(xxxxx : Product number) is displayed in the following window, click the "Install from a list or specific location [Advanced]" radio button to select it and click the "Next >" button.

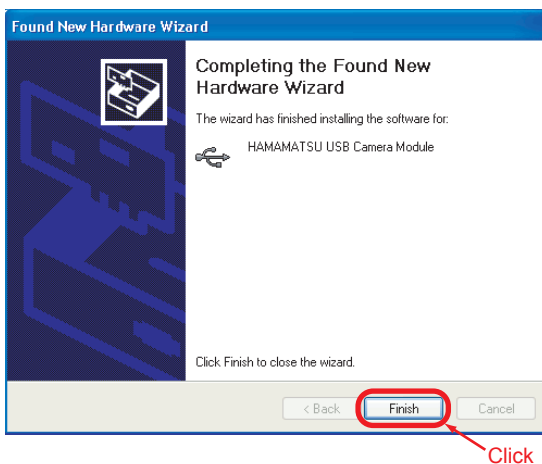
■Example of "C9266"



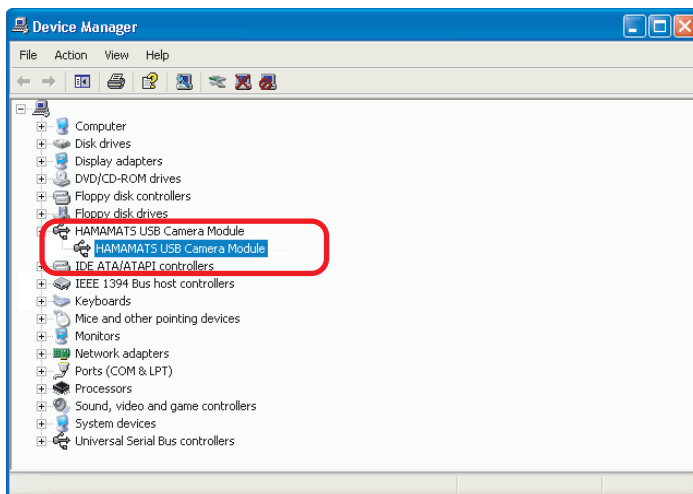
4. In the following window, click the "Search for the best driver in these locations." radio button and the "Search removable media [floppy, CD-ROM...]" check box to select it and click the "Next >" button.



5. After the required files are copied, confirm that the following window is displayed and click the "Finish" button. The driver is now installed.



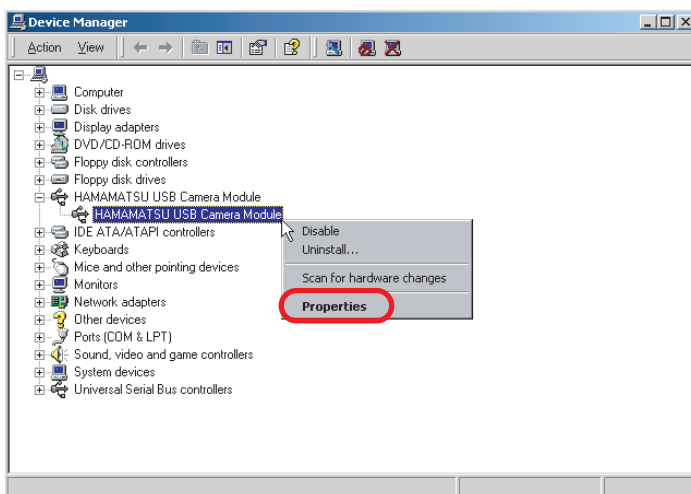
6. After the driver is installed right click on "My Computer" and select "Properties". The "System Properties" window will be displayed. In this window, click the "Hardware" tab and then click the "Device Manager" button. Check whether "HAMAMATSU USB Camera Module" is displayed in the device manager window.



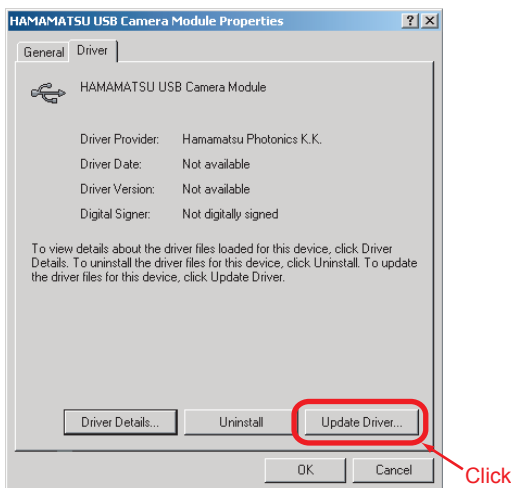
4.2 Upgrading the driver

4.2.1 Windows 2000®

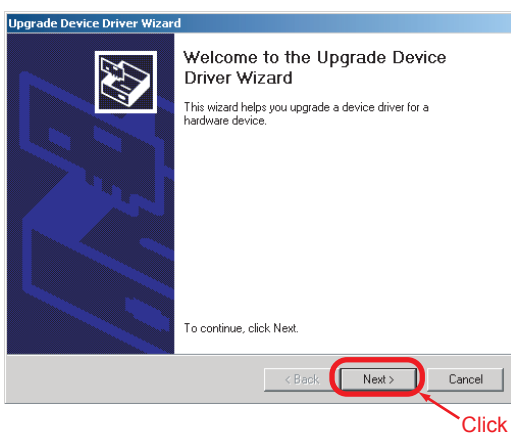
1. Connect the USB camera module to the PC with the USB cable and switch on the PC.
(When the USB camera module is connected to an external power source, switch it on after the PC has been turned on.)
2. Insert the CD-ROM that is provided. Right click on "My Computer" and select "Properties". The "System Properties" window will be displayed. In this window, click the "Hardware" tab and then click the "Device Manager" button to display the device manager window.



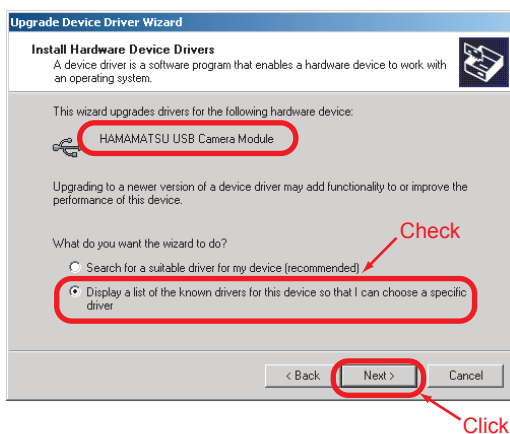
Right click on "HAMAMATSU USB Camera Module" and select "Properties".
Click the "Driver" tab and select "Update Driver..."



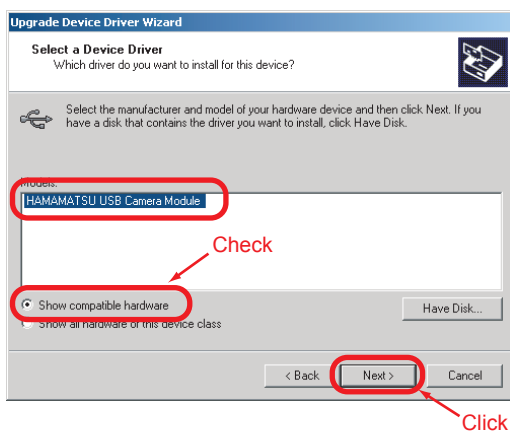
3. Click the "Next >" button in the following window.



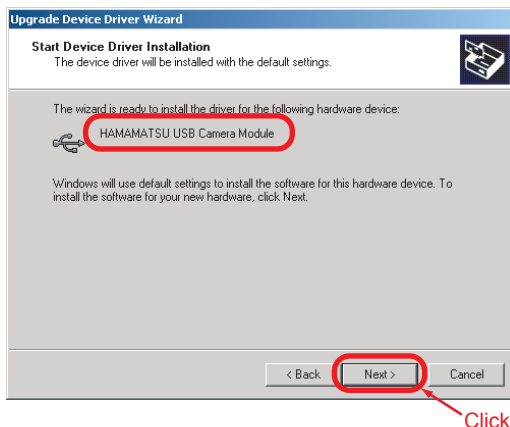
4. Confirm that the following window is displayed. Click the "Display a list of the known drivers for this device so that I can choose a specific driver" radio button to select it and then click the "Next >" button.



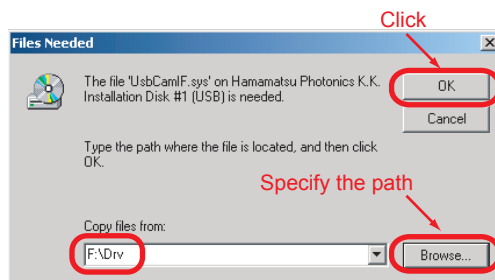
5. In the following window, select "HAMAMATSU USB Camera Module" from the "Models:" list box, click the "Show compatible hardware" radio button to select it and then click the "Next >" button.



6. Confirm that the following window is displayed and then click the "Next >" button.



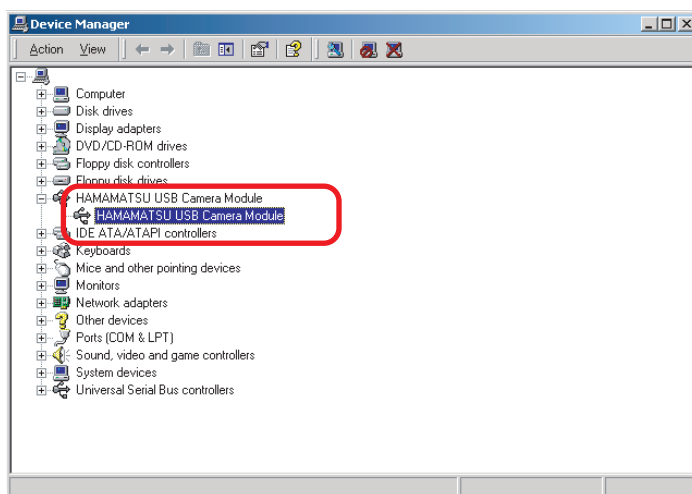
7. After the following window is displayed, click "Browse..." and specify the path as shown below and click "OK".



8. After the required files are copied, confirm that the following window is displayed and click the "Finish" button. The driver is now upgraded.

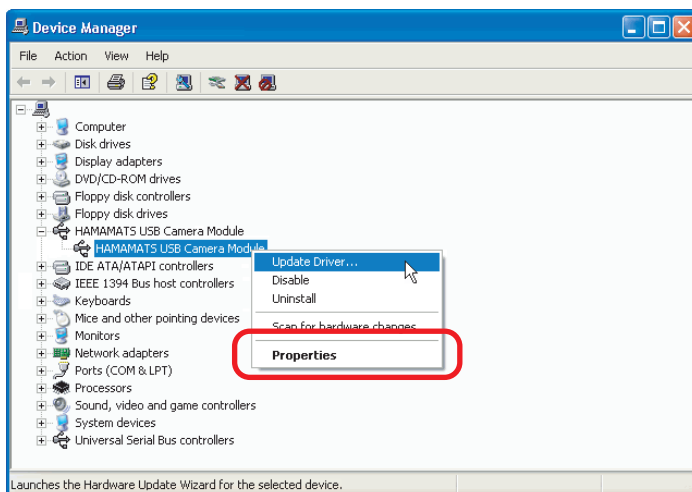


9. After the driver is installed right click on "My Computers" and select "Properties". The "System Properties" window will be displayed. In this window, click the "Hardware" tab and then click the "Device Manager" button. Check whether "HAMAMATSU USB Camera Module" is displayed in the device manager window.

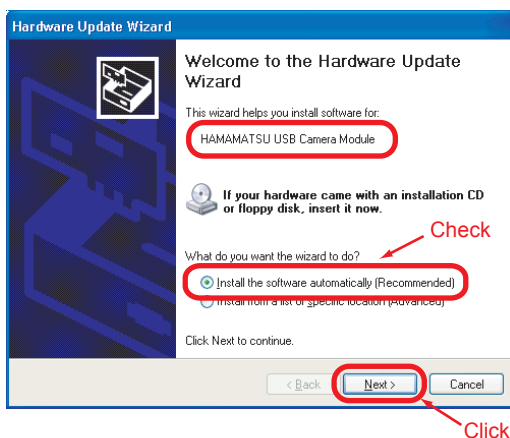


4.2.2 Windows XP®

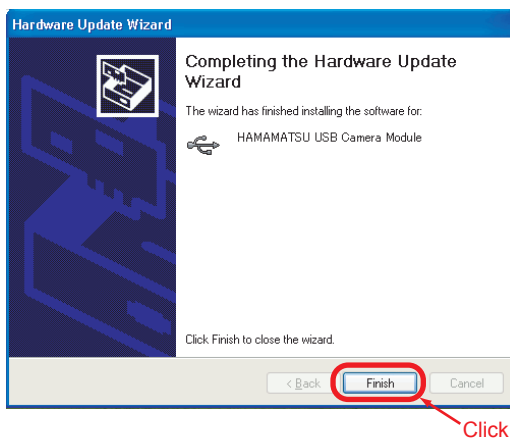
1. Connect the USB camera module to the PC with the USB cable and switch on the PC.
(When the USB camera module is connected to an external power source, switch it on after the PC has been turned on.)
2. Right click on "My Computer" and select "Properties". The "System Properties" window will be displayed. In this window, click the "Hardware" tab and then click the "Device Manager" button to display the device manager window.
In the device manager window right click on "HAMAMATSU USB Camera Module" and select "Update Driver...".



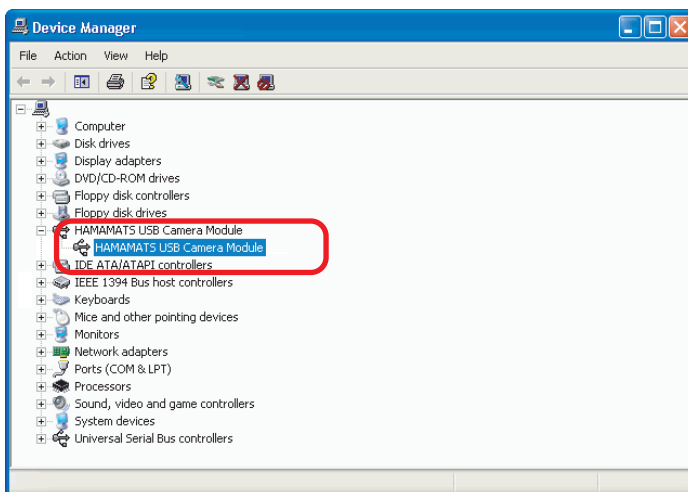
3. Confirm that the following window is displayed. After inserting the CD-ROM that is provided click the "Install the software automatically [Recommended]" radio button to select it and then select the "Next >" button.



4. After the required files are copied, confirm that the following window is displayed and click the "Finish" button. The driver is now upgraded.



5. After the driver is installed right click on "My Computer" and select "Properties". The "System Properties" window will be displayed. In this window, click the "Hardware" tab and then click the "Device Manager" button. Check whether "HAMAMATSU USB Camera Module" is displayed in the device manager window.



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08.Oct.2009	1.02	Corrected misspelling.

USB Camera Module Control Driver (UsbCamIF) Installation Manual

Manufacturer

Hamamatsu Photonics KK

URL : <http://www.hamamatsu.com/>

Head Office

1126-1, Ichino-cho, Higashi-ku, Hamamatsu City, Shizuoka Pref., 435-8558, Japan

Phone:(81)53-434-3311

Fax:(81)53-434-5184

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