

INSTRUCTION MANUAL

MRSProgramUpdate

Update Software

Thank you for purchasing KYOWA's product MRS-100 Series.
Read this Instruction Manual carefully in order to make full use of the high performance capabilities of the product.
Do not use the product in methods other than described in this Manual.

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The contents of the Instruction Manual are subjected to change without prior notice.

We assume no responsibility whatever for any damage resulting from the use of this product.

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NOTATIONS USED IN THE INSTRUCTION MANUAL

Certain notations are used as necessary to attract your attention to information that requires special care when handling the product, and to information provided for reference purposes.

Examples of Notations

NOTE

Essential precautions required when handling the product.

MEMO

Reference items required when handling the product.

IMPORTANT PRECAUTIONS WHEN USING MRSPProgramUpdate

- When any of the following states are enabled on your computer, this software may not function properly:
 - Screensaver is scheduled to be activated.
 - Energy saving features such as system standby are activated.
 - Software applications such as anti virus programs are scheduled to be activated.
 - Computer is receiving access from the network or the computer is accessing the network.
- About window font size
 - Select the font size Normal (small).
 - Windows 7
 - Right click the desktop, and then click Personalize from the pop up menu.
 - In Display window, select Smaller 100% (default) and then click Apply.
 - Windows 8 and 8.1
 - Right click the desktop, and then click Personalize from the pop up menu.
 - In Display window, select Smaller and then click Apply.
 - Windows 10
 - Right click the desktop, and then click Display settings from the pop up menu.
 - Move the slider on "Change the size of text apps and other items" to 100% (Recommended).

1.Overview

MRSProgramUpdate (hereinafter referred to as the Update Software) is software designed to update the MRS-114A, MRS-111A(-E) and MRS-111B (hereinafter referred to as the Receiver), the MRS-104A-S, MRS-101A-S/SE/V and MRS-101B-S/V/T (hereinafter referred to as the Transmitter.) Firmware.

In the following pages, Windows 10 is used to explain the procedure.

[Cautions concerning MRS-100 series updates]

(1) Cautions prior to commencing updates

- **Can be used Update Software when the Receiver and Transmitter Firmware Ver3.00 or later.**
Cannot be used Update Software when the Receiver and Transmitter Firmware under Ver.3.00.
- Do not downgrade the version for the Receiver and Transmitter firmware.
- Close any open files and software applications on the computer.
- When update the Transmitter Firmware, the Pairing settings must be performed before update.

(2) Cautions during updates

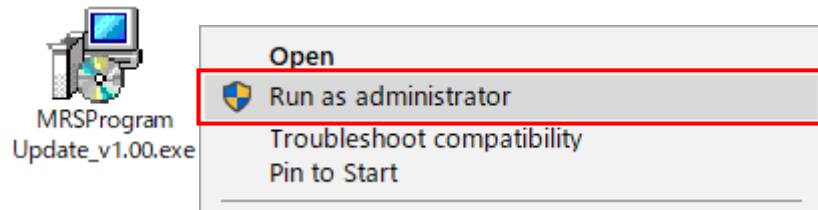
- **Do not turn off the power supply to the Receiver** until the update ends.
- **Do not operate any software except this software.**
- **Do not turn on the power supply to the Transmitter while the Receiver firmware update is running.**

2. INSTALLATION

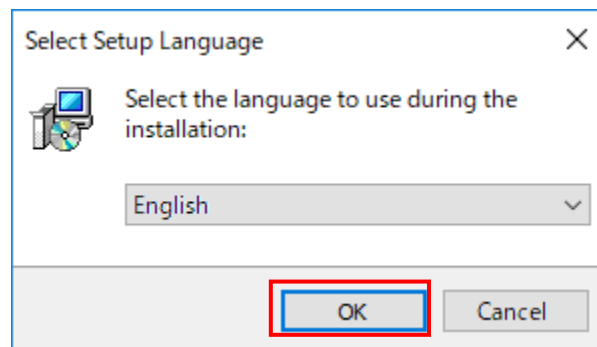
Install the Update Software.

When installing updates, follow “3. Uninstallation” to remove the old version before installing the update.

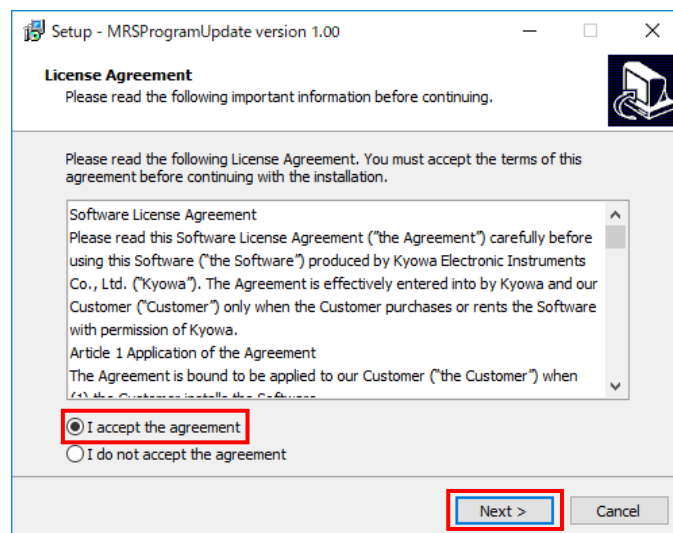
- (1) Select “MRSPProgramUpdate_v*.**.exe”, "right click", and then select Run as administrator



- (2) Select the display language (English) and then click **OK**.



- (3) License Agreement is displayed. Read and verify what it says.
To agree with the conditions, select "I accept the terms of the license agreement", and then click **Next>**
If you select "I do not accept the terms of the license agreement", you cannot proceed.

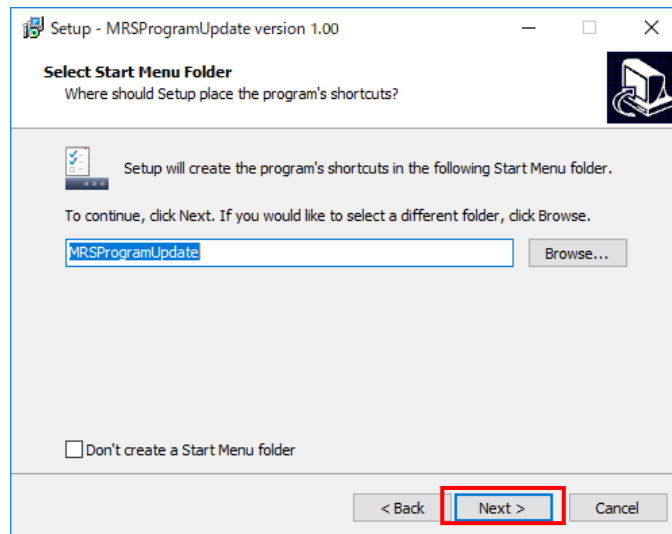


- (4) Create a program icon.

Once details are confirmed, click **Next**

To select another folder, click **Browse...** and specify the desired installation directory.

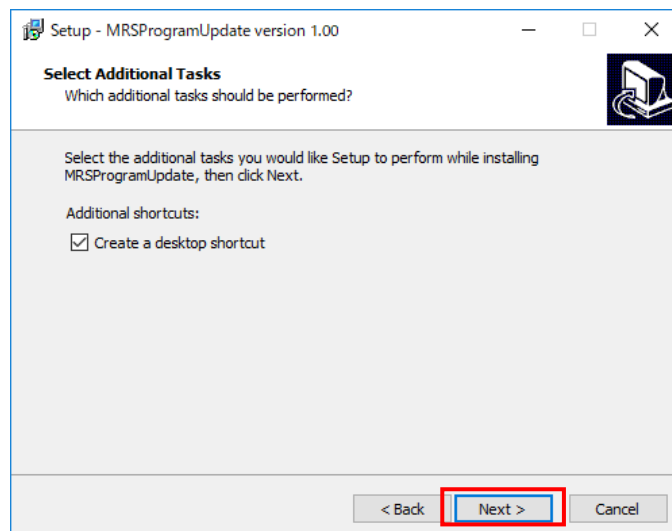
If you do not wish to create a Start Menu folder, check "Don't create a Start Menu folder".



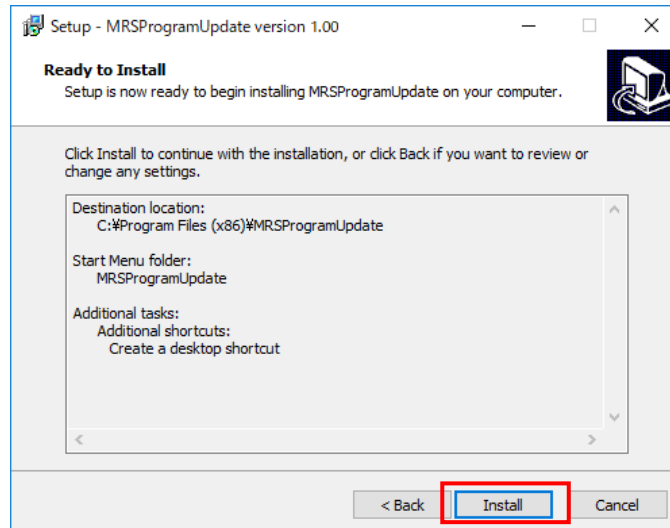
- (5) Create a desktop icon.

Once details are confirmed, click **Next>**.

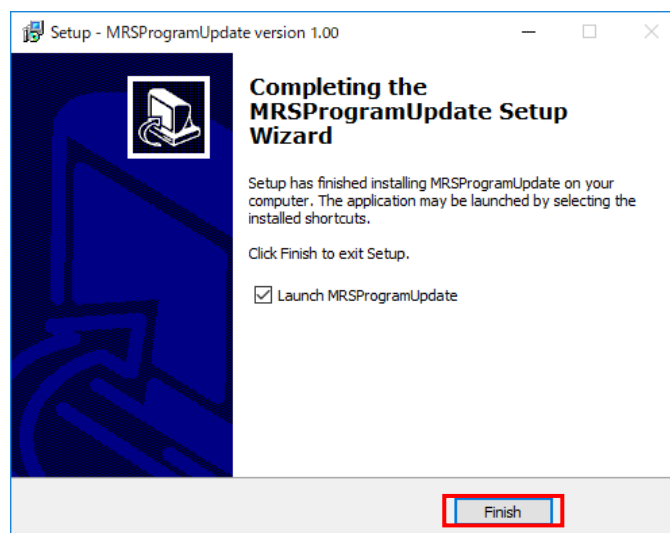
If you do not wish to create one, untick, and then click **Next>**.



- (6) Confirmation of installation setting is displayed.
When you click **Install**, the installation starts.
To confirm or change settings, click **<Back**.



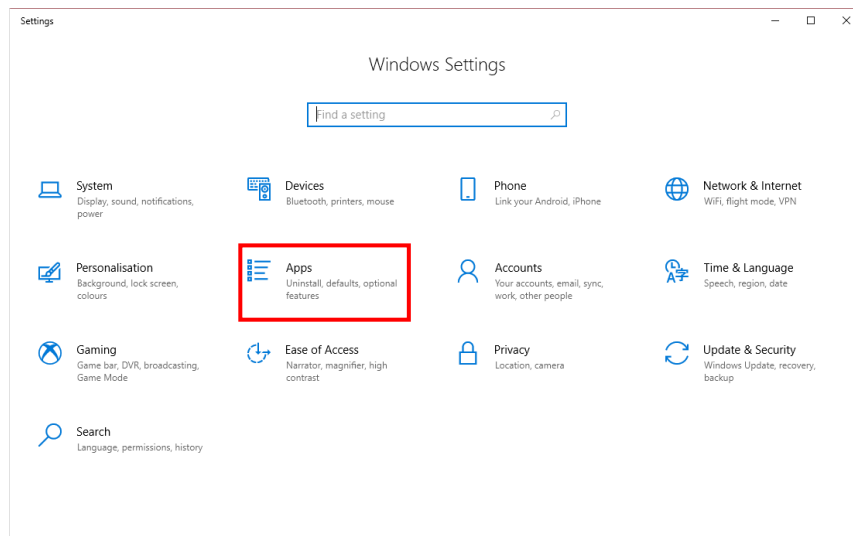
- (7) Installation is complete.
Click **Finish** to close the Setup.
After clicking Finish, the Control Software starts automatically.
If you do not wish to start the Control Software, untick Launch MRSPProgramUpdate, and then click **Finish**.



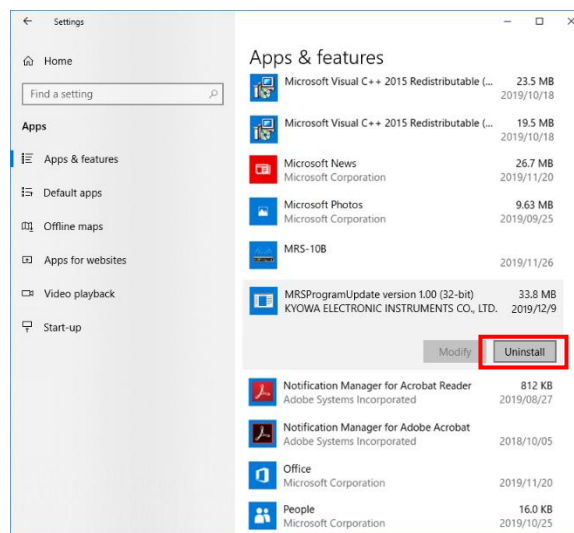
3. UNINSTALLATION

After the update is complete as the Update Software is no longer needed, you can perform an uninstallation.

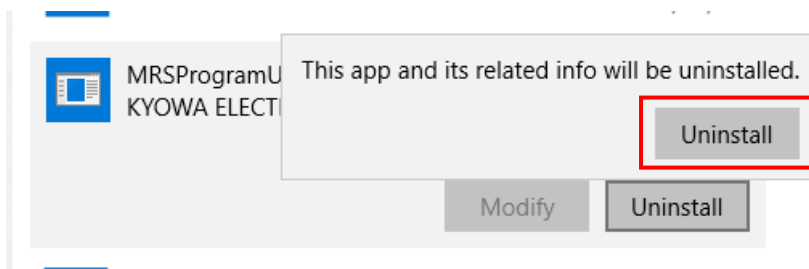
- (1) From the Windows Setting, select “Apps” “Uninstall, defaults, optional features”.



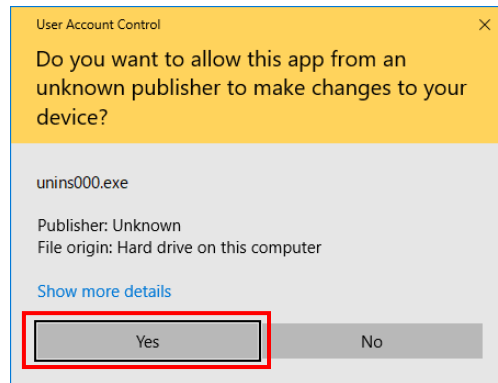
- (2) From the list of program s displayed, select “MRSPProgramUpdate Version * _**” and then click **Uninstall**.



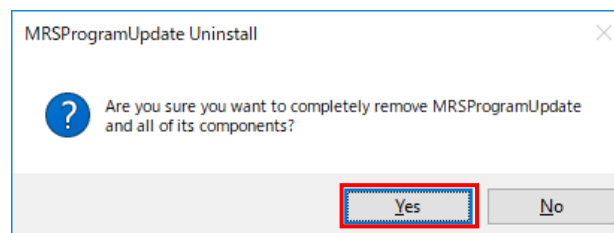
- (3) A confirmation pop up is displayed. Click **Uninstall** to start uninstallation.



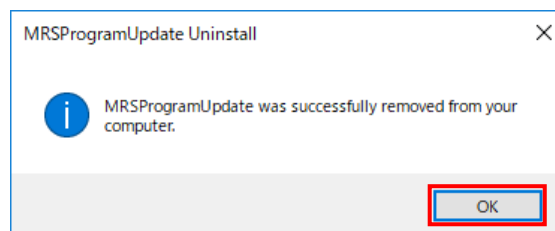
- (4) The following window is displayed during the uninstallation.
Click and complete the operation.



- (5) The following window is displayed during the uninstallation.
Click and complete the operation.



- (6) Once the uninstallation is complete, the following window is displayed.
Click and complete the operation.

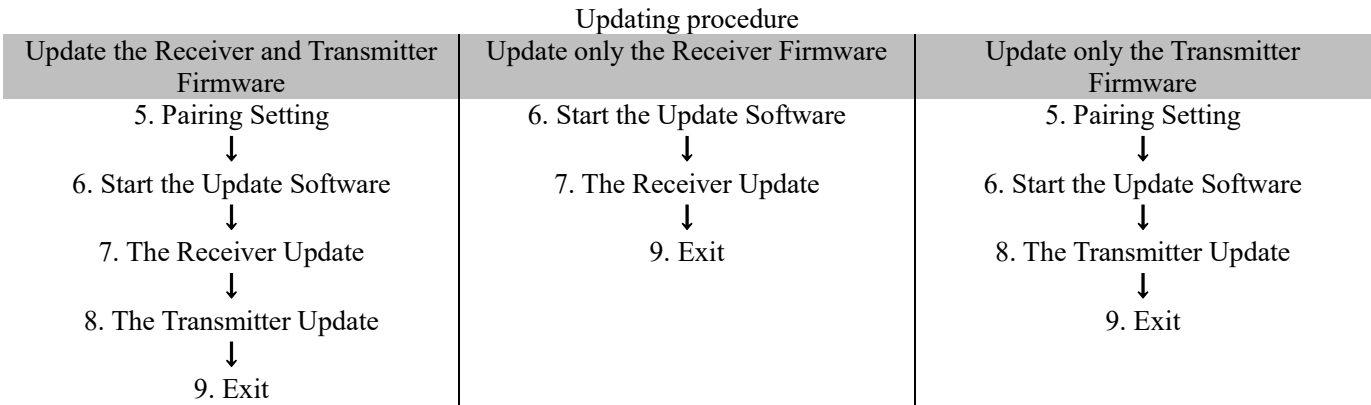


4. Updating procedure

The update method is as follows.

- Update the Receiver and Transmitter Firmware
- Update only the Receiver Firmware
- Update only the Transmitter Firmware

Follow the method shown in the figure below to perform the target update.
For details on each procedure, see between “5. Pairing Setting” and “9. Exit”.



NOTE

Do not Update MRS-104A-S using MRS-111A(-E) and MRS-111B.

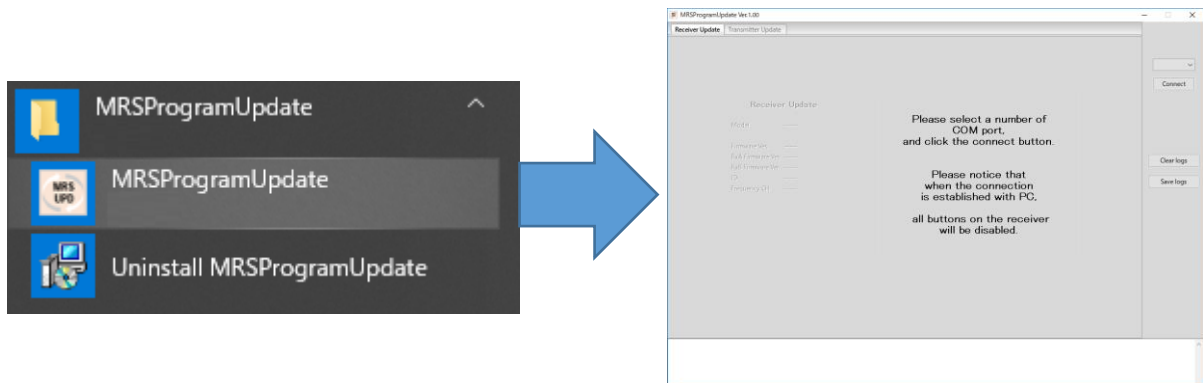
5. Pairing settings

When update the Transmitter Firmware, It is necessary to specify the [Pairing settings] for the Receiver and Transmitter.
When update the Transmitter Firmware, perform the Pairing settings.
For details, see the MRS-10B instruction manual.

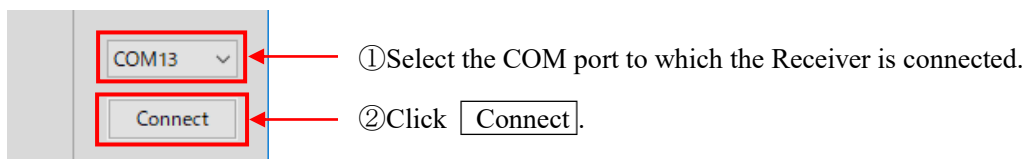
6. Start the Update Software

Start up the Update Software.

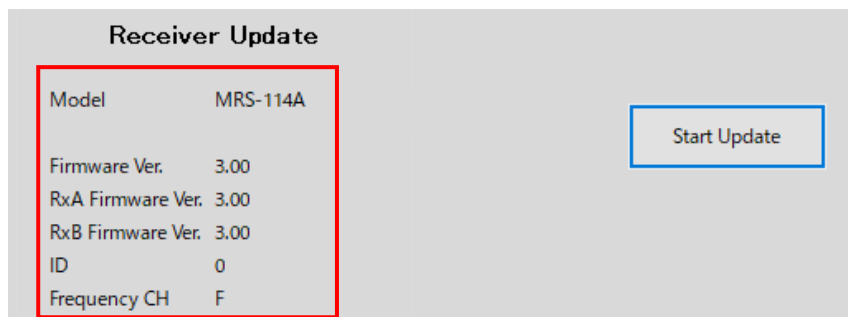
- (1) Close any open files and software applications on a computer on which the Update Software has been installed.
- (2) After connect the Receiver to a USB port of a computer on which the Update Software has been installed, turn on the Receiver.
- (3) Connect the Receiver to a USB port of a computer on which the Update Software has been installed, and then, on the Windows 10 desktop, click the Windows logo Start button at the lower left of the screen or press the Windows key , and then click the Update Software icon in the Start menu. After a while, the following window is displayed.



- (4) The COM port to which the Receiver is connected is displayed. Select the COM port to which the Receiver is connected, and then click **Connect**.

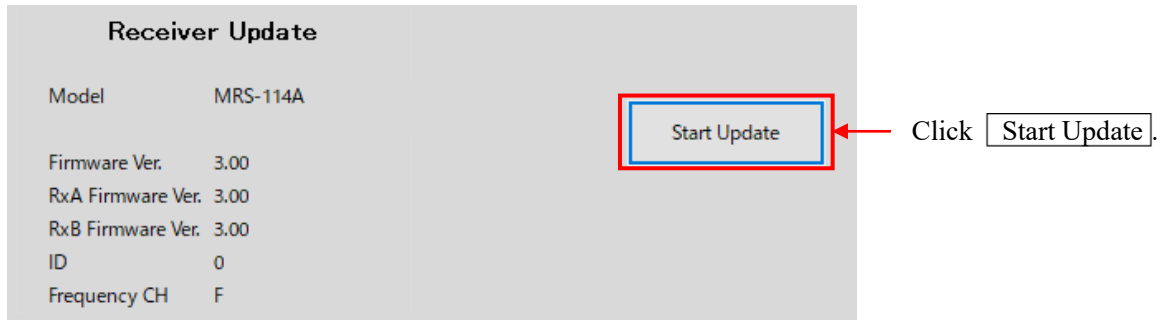


- (5) When the computer and Receiver are successfully connected, the Receiver information of the connected Receiver is displayed.



7. The Receiver Update

- (1) When the power of the paired Transmitter is on, Turn off the power of the Transmitter.
- (2) Click to start the update.



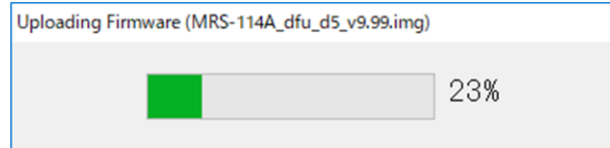
NOTE

Be sure to keep the following items until the updating is completed.

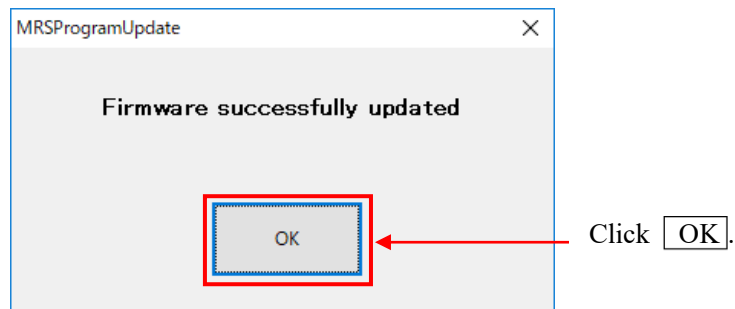
- **Do not turn off the power supply to the Receiver.**
- **Do not disconnect the USB cable.**
- **Do not turn on the power supply to the Transmitter.**

MEMO

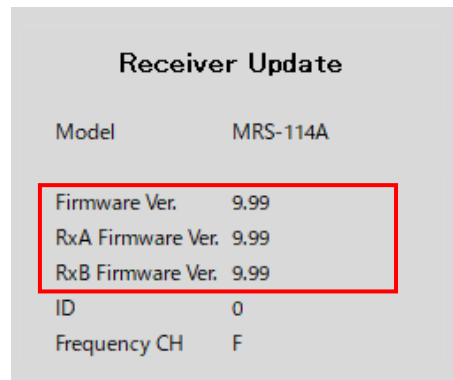
The target for updating will be updated in order of loaded file while the update is running. Check the progress bar for details on update progress.



- (3) When the Receiver Firmware updates are complete, the following window is displayed.
Click .



- (4) Check the Receiver, RxA and RxB Firmware Ver. after the update.
Make sure the Receiver, RxA and RxB Firmware Ver. are updated correctly.



8. The Transmitter Update

NOTE

When a Transmitter other than the Transmitter to update exists, turn off a Transmitter other than the Transmitter to update.

Place the Transmitter and Receiver within a 50cm range.

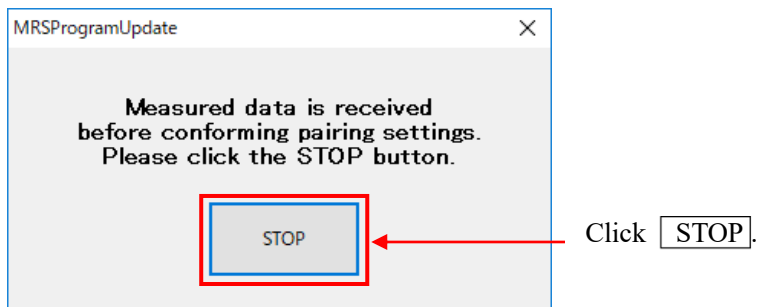
- (1) Turn on the power of the Transmitter.

NOTE

When hadn't performed the Pairing the Receiver, after exit the Update Software, perform the Pairing settings using MRS-10B.

For details, see the MRS-10B instruction manual.

- (2) The following window is displayed.
Click **STOP**.



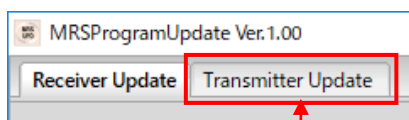
NOTE

When the above window isn't displayed, not performed the pairing setting for the Receiver and transmitter.

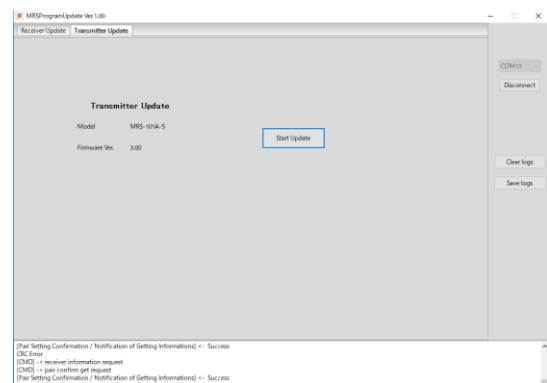
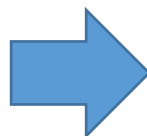
After exit the Update Software, perform the Pairing settings using MRS-10B.

For details, see the MRS-10B instruction manual.

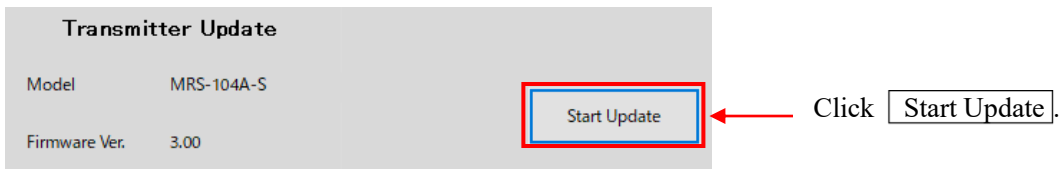
- (3) Click the Transmitter Update tab.



Click the Transmitter Update tab.



(4) Click **Start Update** to start the update.



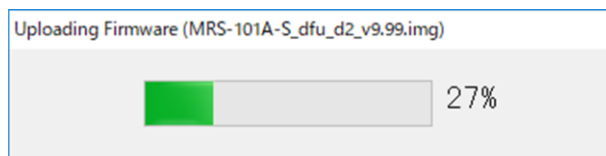
NOTE

Be sure to keep the following items until the updating is completed.

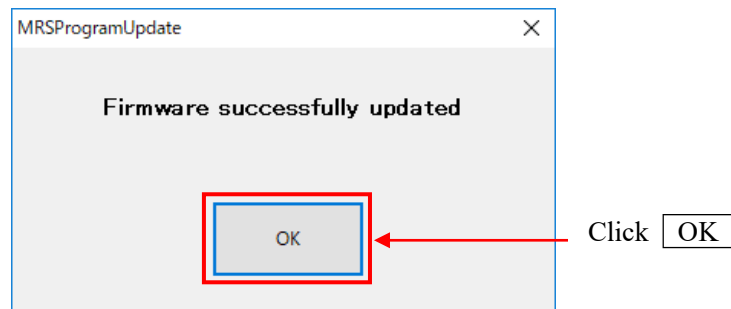
- **Do not turn off the power supply to the Reciver and Transmitter.**
- **Do not disconnect the USB cable while the update is running.**

MEMO

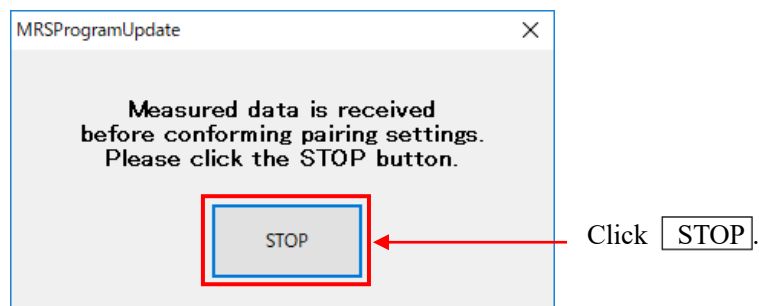
Check the progress bar for details on update progress.



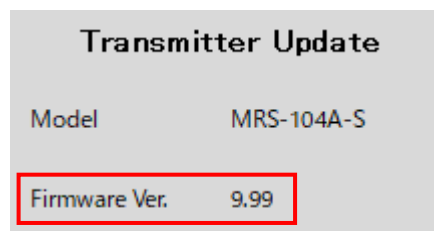
- (5) When the Transmitter Firmware updates are complete, the following window is displayed.
Click **OK**.



- (6) The following window is displayed.
Click **STOP**.



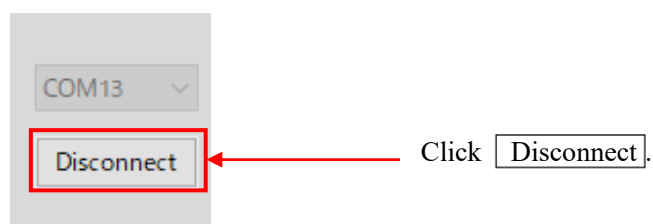
- (7) Check Firmware Ver. after the update.
Make sure Firmware Ver. are updated correctly.



- (8) After make sure Firmware Ver. are updated correctly, turn off the power of the Transmitter.

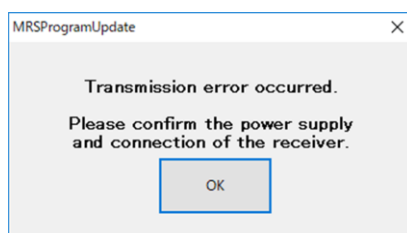
9. Exit

- (1) When turning off the Receiver power, first click **Disconnect** to release the computer and Receiver connection before proceeding.



MEMO

When turning off the Receiver power before clicking **Disconnect**, the following window is displayed and the Update Software terminates.





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