



RFID Data Management Pro for Mobile Computers

Installation Guide

October 2016
Version 2.33

Preface

This document explains the installation methods for the RFID Data Management Pro for Mobile Computers (hereafter referred to as "this tool").

■ Abbreviations and generic terms used

This document uses the following abbreviations and generic terms.

Name	Abbreviation used in this document
Microsoft® Windows® 7 Professional	Windows 7
Microsoft® Windows® Mobile	Windows Mobile
Terminals where Windows 7 has been installed Personal computer	PC
Reader/writer devices	handheld device, HHT (Handheld Terminal)
RFID tags	Tag
Fujitsu's RFID Integrated Label - 8Kbyte (Large/Medium/Small) MAINtag's 8 kilobyte large-capacity RFID tags	"Large-capacity RFID tags" "high memory tags"
Fujitsu's RFID Integrated Label - 1Kbyte (Large/Medium/Small) Fujitsu's 2-kilobit RFID tags	Tags
NXP's RFID tags with a 240-bit EPC area and a 512-bit user area, and Impinji's RFID tags with a 128-bit EPC area and a 512-bit user area	"Small-capacity RFID tags", "small-capacity tags", "low memory tags" or just "tags"

■ Trademarks

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■ ATA (Air Transport Association of America) Spec 2000 Chapter 9-5

- This tool is designed to read and write data on tags that are compliant with the specification for Radio Frequency Identification (RFID) on Parts in ATA Spec2000 Chapter 9-5.

■ High Risk Activity

- This product is designed and manufactured as contemplated for general use, including

without limitation, general office use, personal use and household use, but is not designed and manufactured as contemplated for use accompanying fatal risks or dangers that, unless extremely high safety is secured, could lead directly to death, personal injury, severe physical damage or other loss (hereinafter called "High Safety Required Use"), including without limitation, nuclear reaction control, aircraft flight control, air traffic control, mass transport control, life support, and weapon launch control. The customer shall not use this product without securing the sufficient safety required for the High Safety Required Use.

■ Notes on export procedures

- When exporting or providing this product and this document, check the regulations under the Foreign Exchange and Foreign Trade Law and the laws and regulations relating to US export control, and complete the necessary procedures.

■ Screenshots and illustrations

- The screenshots and illustrations in this manual are only examples, and the actual screens may be slightly different depending on the environment that you are using.

■ Relevant Manuals

- The following documents are also relevant to the present manual:
RFID Data Management Pro for Mobile Computers (Handheld) User's Guide
RFID Data Management Pro & RFID Label Design and Encoding Management Pro User's Guide (Appendixes)

■ Request

- No part of this document may be reproduced or reused for other purposes without the express written permission of Fujitsu Limited.
- The content of this document may change without prior notice.

■ Revision history

Edition	Date issued	Changes
Version 2.00	March 2014	Separated from User's Guide
Version 2.10	June 2014	Changed Production Name
Version 2.20	October 2014	Commercialization Version
Version 2.30	March 2015	Addition of procedure
Version 2.31	June 2015	Installation procedure changed.
Version 2.32	October 2015	Installation procedure changed.
Version 2.33	October 2016	Installation procedure changed.

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1 Installation Prerequisites

1.1 Quick Installation Guide

The following shows the overview of installation operations.

- (1) Log in to the PC (as Administrator or with admin rights).
- (2) Insert the setup CD that comes with this tool into the CD drive on a PC.
- (3) Connect the MC9190-Z via USB cable to the PC and start the Mobile Reader
- (4) Copy the files e.g. via the Windows Mobile Device Center to the Mobile Reader.
- (5) Click the "RFIDDataAccess_.....CAB" file on the mobile Reader
- (6) Check and note down the "Registration ID"
- (7) Send Information about Registration ID to Fujitsu Technical Support
- (8) Continue the installation after having received the license key for activation
- (9) Log in again, click the "RFIDDataAccess.....", enter the license key
- (10) Install the PowerConfig.CAB
- (11) Install and setup the "MCRFIDInstall_2.2.7002.CAB"
- (12) Install the Audio Patch "MC9190Z_AUDIO_20150325.ZIP"
- (13) Re-name (optional) the Reader (e.g. to identify if several Readers are used)
- (14) Reboot (cold) the Mobile Reader

1.2 Software Requirements

- Windows Mobile 6.5 Classic
- .NET Compact Framework 3.5
- RFIDDataAccess_HHT(Motorola_MC9190-Z(EU))(L).CAB (provided with the CD)
- The upfront requested license key for activation
- PowerConfig.CAB (provided with the CD)
- MCRFIDInstall_2.2.7002.CAB (provided with the CD)
- MC9190Z_AUDIO_20150325.ZIP (provided with the CD)

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- ◆ **Reference:** •In addition to above software, a tool to transfer files from the CD to the Mobile Reader is required. In this document, the Microsoft Mobile Device Center is used to connect the handheld device to a PC. For more information about the Windows Mobile Device Center, please check the following Microsoft webpage: <http://support.microsoft.com/kb/931937>
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2 Installation

2.1 Installing the RFID Data Management Pro for Mobile Computers

If the following operating procedure completes normally, the RFID Data Management Pro for Mobile Computers application will have been installed.

Note: If you have purchased the bundled version, this tool is already installed. In this case, perform only the procedures in Section "3 Setting up Zebra MC9190Z"

■ Operating procedure

Start the handheld device.

Perform the procedures in "3 Setting up Zebra MC9190Z"

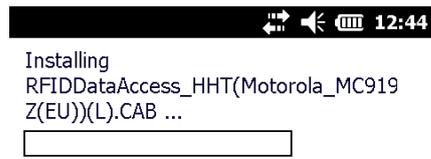
Insert the setup CD that comes with this tool into the CD drive on a PC.

Connect the handheld device to the PC using the Microsoft Windows Mobile Device Center.

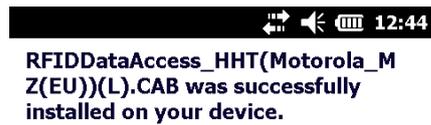
Open the CD using Explorer, and then use the file synchronization function of the Microsoft Windows Mobile Device Center to copy the installation file for the handheld device. Following table shows the correspondance between the model of the handheld device and the folder of the installer.

Manufacturer	Model	Installer file
Zebra	MC9190-Z(EU)	RFIDDataAccess_HHT(Motorola_MC9190-Z(EU))(L).CAB
Zebra	MC9190-Z(US)	RFIDDataAccess_HHT(Motorola_MC9190-Z(US))(L).CAB

(1) Execute the copied Cab File on the handheld device.



(2) Click the **OK** button.



If you need more storage space, you
can remove installed programs.

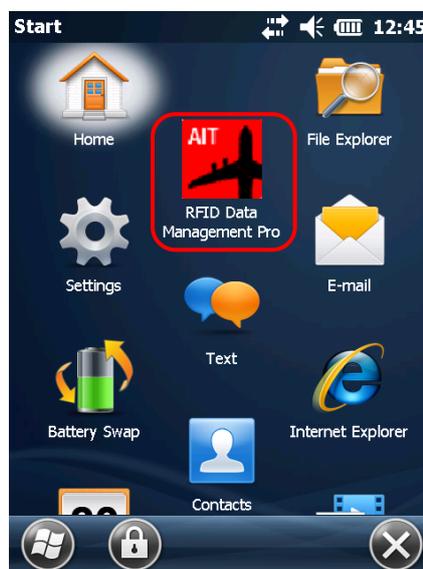


2.2 License Activation

This section explains about licensing of this tool. The license key is required to activate this tool and the procedure to receive the “License Key” is explained in “2.2.1 Commercial License”. This tool also provides the trial license for 30-day use without “License Key” and the procedure to start this tool in trial use is explained in “2.2.2 Trial License”.

2.2.1 Commercial License

- (1) Click the "RFID Data Management Pro" icon.



- (2) Check the “Registration ID” and send the information to Fujitsu technical support (ait-support@ml.css.fujitsu.com) by email.



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- ◆ **Reference:** ·After receiving the “Registration ID”, Fujitsu technical support will send the

“License Key” by email.

- While waiting the license key, it is also possible to use this tool as trial mode.
Please see “2.2.2 Trial License” for more details.
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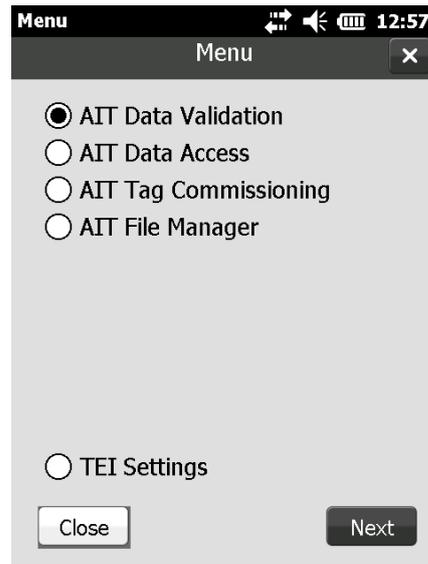
(3) Enter the License Key and click the **Activate** button.



(4) "ok" is clicked to the pop up MSG.



(5) The Program starts.



Note: After the installation file has been extracted, the application will be installed in the following folder configuration.

\Program Files\Fujitsu\AIT\RFIDDataAccess\

\data

\log

\validation

\write

This completes the installation procedure for this tool.

2.2.2 Trial License

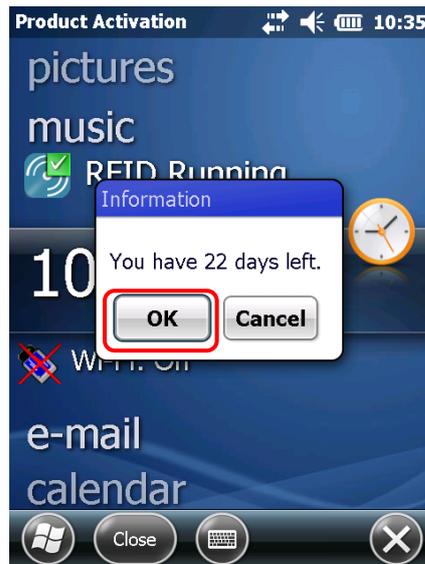
- (1) Click the "RFID Data Management Pro" icon.



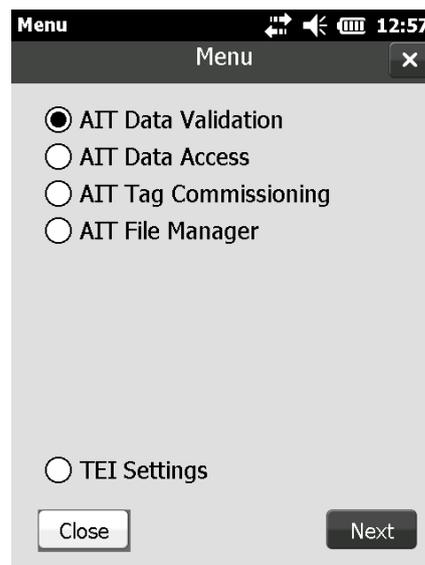
- (2) Click the **OK** button.



(3) Click the **OK** button (the remaining trial period is displayed).



(4) The application will start up.



2.3 Installing PowerConfig.CAB

PowerConfig.CAB is used to manage the backlight configuration of handheld reader. If the following operating procedure completes normally, the power configuration of handheld reader will be changed as follows:

- (1) On battery power, backlight is disabled and standby starts if device is not used for 3 minutes. On external power such as using cradle or AC adapter, backlight will not be disabled and standby will not start.

Conduct this procedure if necessary.

■Operating procedure

- (2) Copy PowerConfig.CAB into a temporary folder on handheld device.
Click PowerConfig.CAB on the handheld device.
Click "Install" when following screen is displayed.



- (3) After the installation completes, click the **OK** button.



3 Setting up Zebra MC9190Z

This appendix explains the setup procedure for the Zebra MC9190Z.

3.1 Preparation

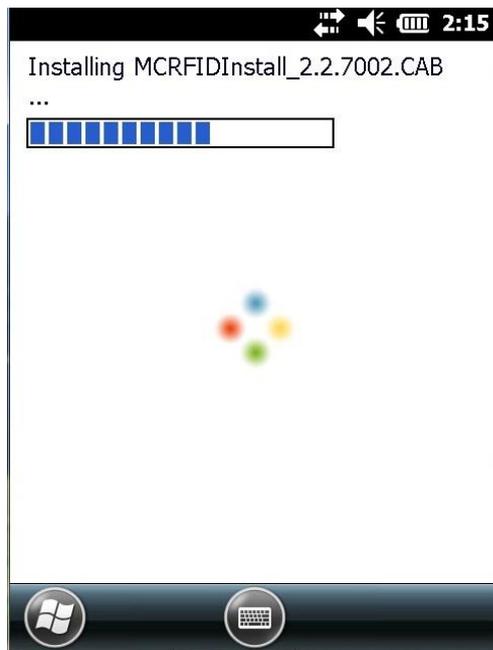
Locate the following files:

- "MCRFIDInstall_2.2.7002.CAB" (provided by Zebra)
- "MC9190Z_AUDIO_20150325.ZIP" (provided by Zebra)

3.2 Installing Drivers and Firmware

■ Operating procedure

- (1) Copy the "MCRFIDInstall_2.2.7002.CAB" file to the "My Device" folder.
- (2) Click "MCRFIDInstall_2.2.7002.CAB".
- (3) The installation will start.

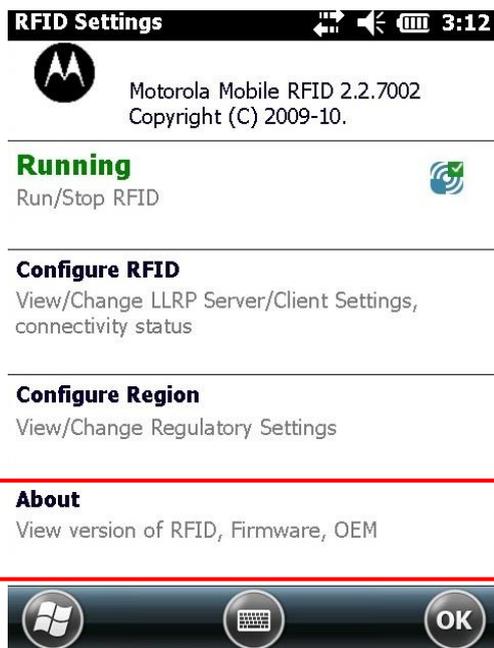


- (4) When the installation completes, the MC9190Z will restart automatically.

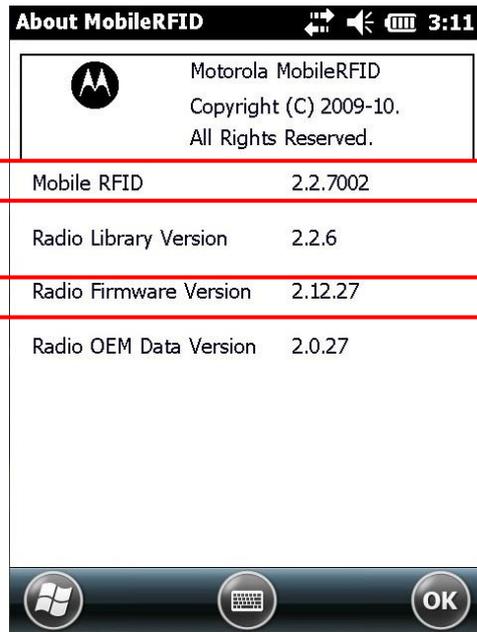
- (5) Check the versions of the driver and firmware that have been installed.
Select **RFID** from the desktop screen and then click the **Settings** button.



- (6) The **RFID Setting** screen will be displayed, and then click **About**.



- (7) Check the version information in the **About Mobile RFID** screen.
Check that the following version information is displayed:
Mobile RFID 2.2.7002
Radio Firmware Virsion 2.12.27

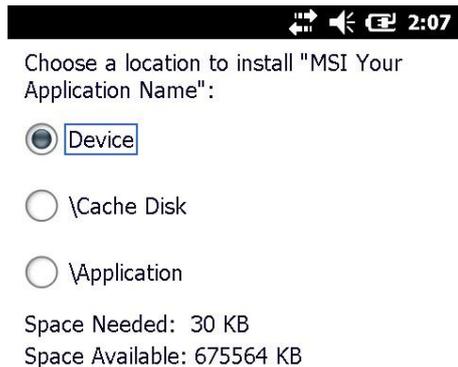


This concludes the procedure for installing drivers and firmware.

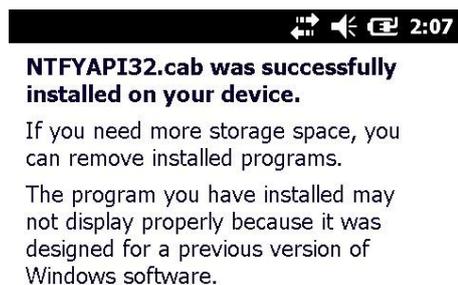
3.3 Installing AUDIO patch

■ Operating procedure

- (1) Unzip "MC9190Z_AUDIO_20150325.ZIP".
- (8) Copy "NTFYAPI32.CAB" directly on the "My Device" directory.
- (2) Extract "NTFYAPI32.CAB".
- (3) Choose "Device" (default) and click "Install". [Fig.1]
- (4) When the installation completes, click "OK". [Fig.2]



[Fig.1]



[Fig.2]

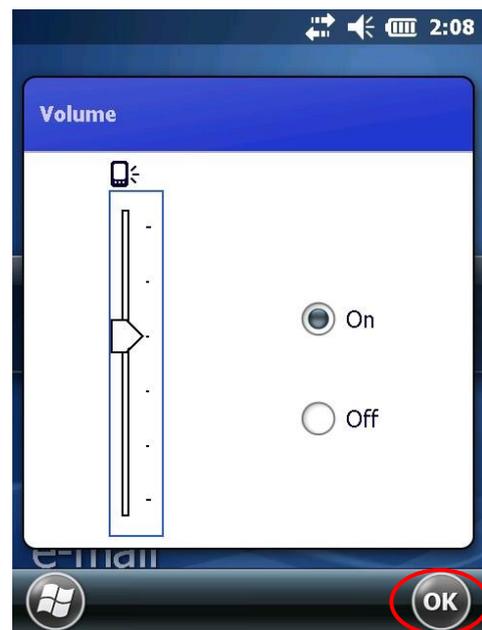
If this patch has already been applied, the following screen is displayed. [Fig.3]



[Fig.3]

- (5) Cold boot
 - Pop battery out halfway.
 - Press and hold trigger.
 - Press and release red power button.
 - Release trigger.
 - Push battery back in.
 - Press red power button and allow device to boot up.

- (6) Audio volume setting



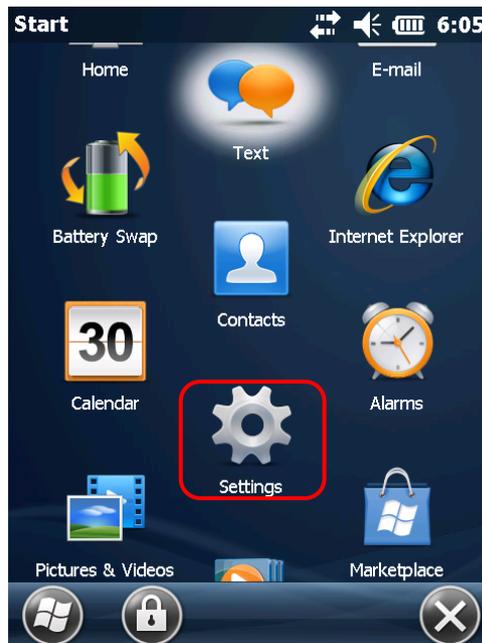
4 Uninstallation

4.1 Uninstalling the RFID Data Management Pro for Mobile Computers

This section explains how to uninstall RFID Data Management Pro for Mobile Computers.

■ Operating procedure (handheld)

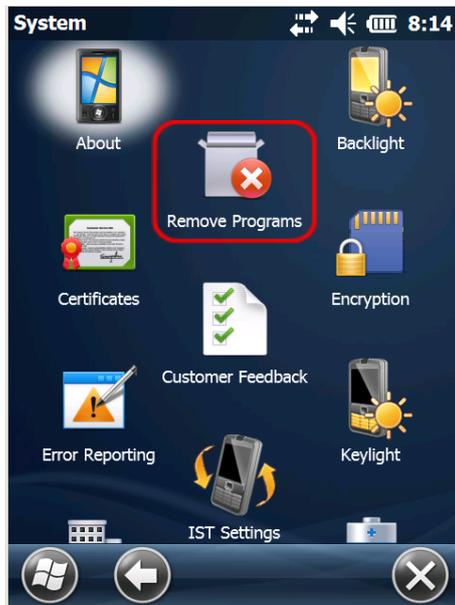
(7) Select **Settings** from the **Start** menu.



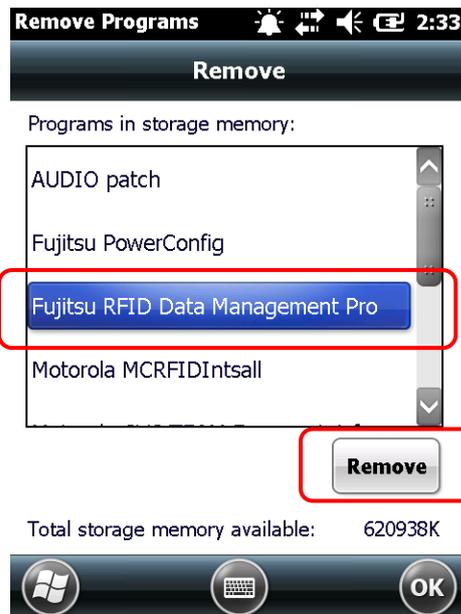
(8) Select **System** from the **Settings** menu.



(9) Select **Remove Programs** from the **System** menu.



(10) Select Fujitsu RFID Data Management Pro from the Remove Programs list and then click the Remove button.



Check that Fujitsu RFID Data Management Pro has been deleted from the Remove Programs list.

This completes the uninstallation procedure for this tool.

-
- ! Caution**
- Folders that contain the files created after the installation will not be deleted.
 - If these folders need to be deleted completely, use File Explorer or a similar tool to directly delete the "\\Program Files\Fujitsu\AIT\RFIDDataAccess" folder.
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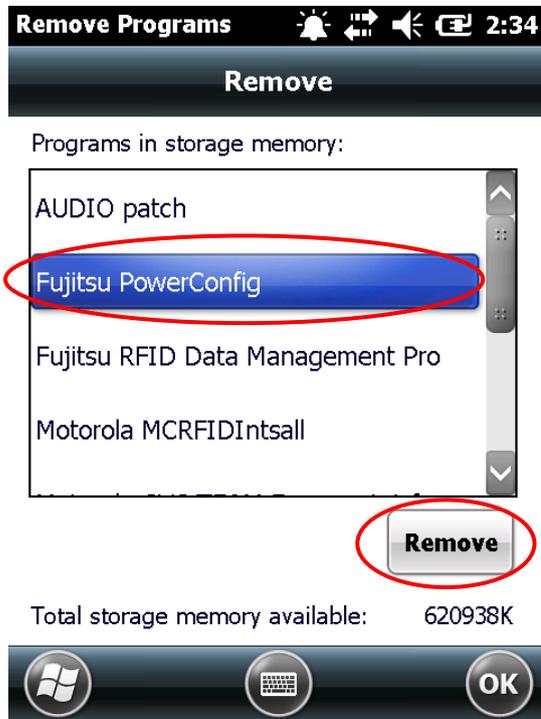
This completes the uninstallation procedure for this tool.

4.2 Uninstalling PowerConfig.CAB

■ Operating procedure

Click **Start** menu → **Settings** → **System** → **Remove Program**. Select **Fujitsu**

PowerConfig from the **Remove Programs** list and then click the **Remove** button.



4.3 Uninstalling Drivers and Firmware

■ Operating procedure

Click **Start** menu → **Settings** → **System** → **Remove Program**. Select **Motorola**

MCRFIDIntsall from the **Remove Programs** list and then click the **Remove** button.



4.4 Uninstalling AUDIO patch

■ Operating procedure

Click **Start** menu → **Settings** → **System** → **Remove Program**. Select **AUDIO patch** from the **Remove Programs** list and then click the **Remove** button.

