

# **About SG Series Firmware Updates (Web Image Monitor)**

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# 1. About Firmware Updates

This manual explains how to update the software for SG series network boards.

# 2. Operating Environment

A Web browser is required for use.

To use the Web browser, specify the TCP/IP protocols of your computer and the machine.

# 3. Disclaimer

The manufacturer is not liable for any damages resulting from use or misuse of this software.

Nor is the manufacturer liable for any damages resulting from use or misuse of this software with third parties.

# 4. Caution

To update the firmware to version 2.0.0 or later, the current firmware must be version 1.9.0.

If the current firmware is earlier than version 1.9.0, update it first to version 1.9.0, and then to version 2.0.0 or later.

To check the firmware version, print the configuration page.

[▼/Menu] ► [List/Test Print] ► [Config. Page]

# 5. Firmware Update Operating Instructions

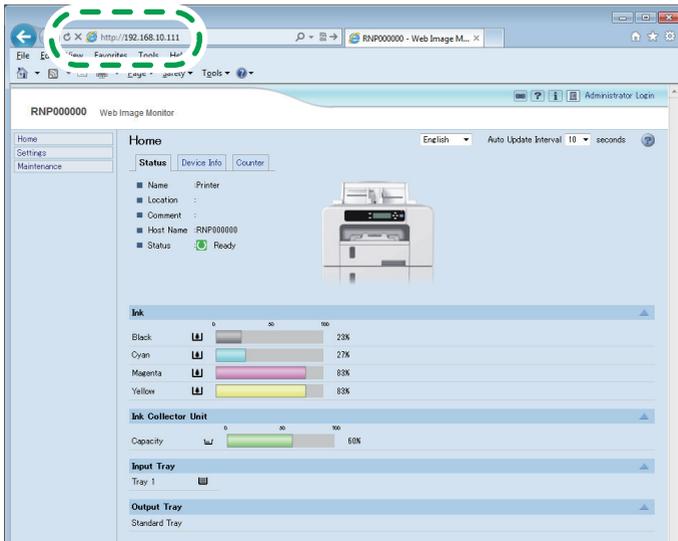
These instructions explain how to update the firmware of the machine.

Before you start the update, make sure of the following:

- The machine is in standby mode.
- No applications are running on the computer.

The following procedure uses Windows 7 screenshots.

1. **Open a Web browser.**
2. **Enter "http://(the machine's IP address or host name)/" in the address bar.**



CHU266



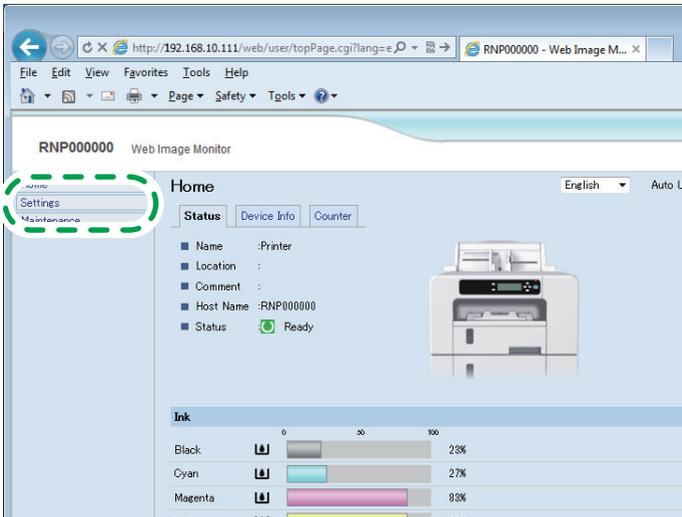
4. Enter the login name and password, and then click [OK].

The default login name for administrators is "admin". No login password is set up. To ensure security, it is important you change the password.



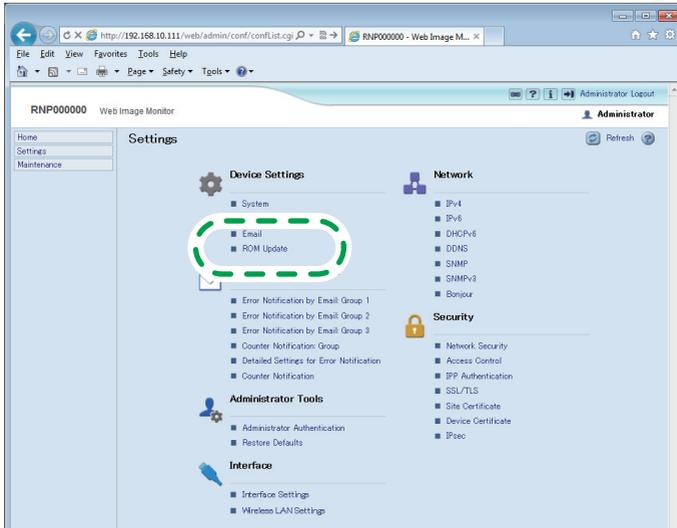
CHU282

5. In the menu area, click [Settings].



CHU268

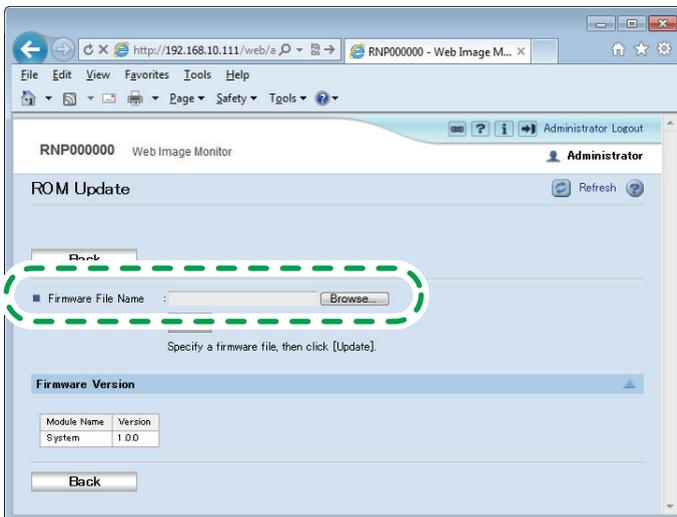
## 6. Click [ROM Update].



CHU269

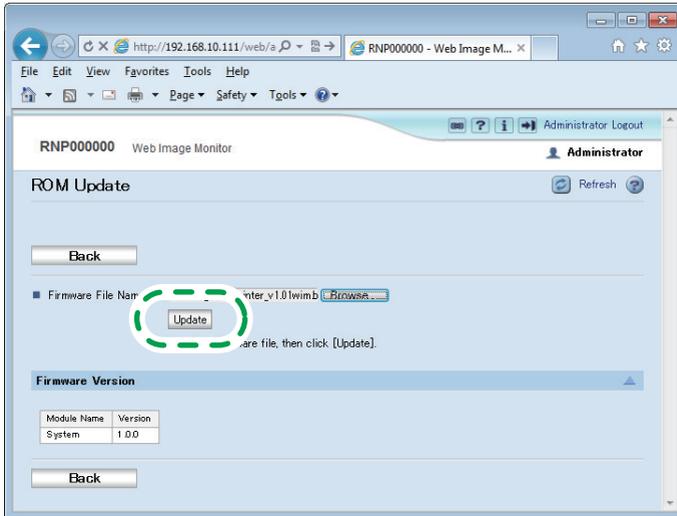
## 7. Select the update file (\*\*\*.bin).

Enter the path to the file in [Firmware File Name] or click [Browse...] and select the file.



CHU279

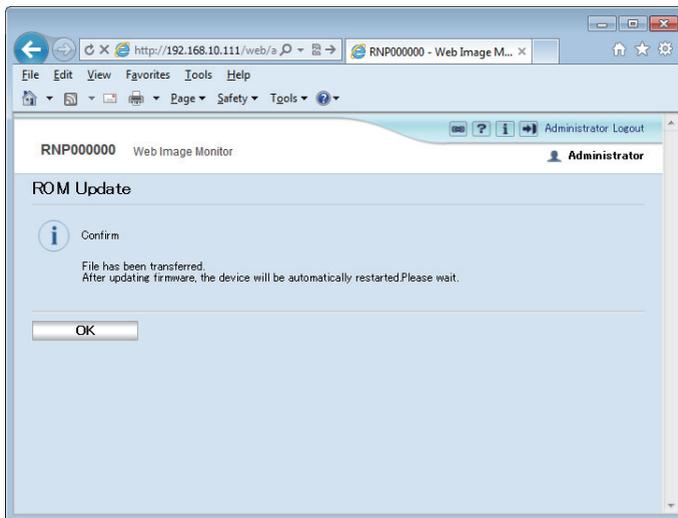
## 8. Click [Update].



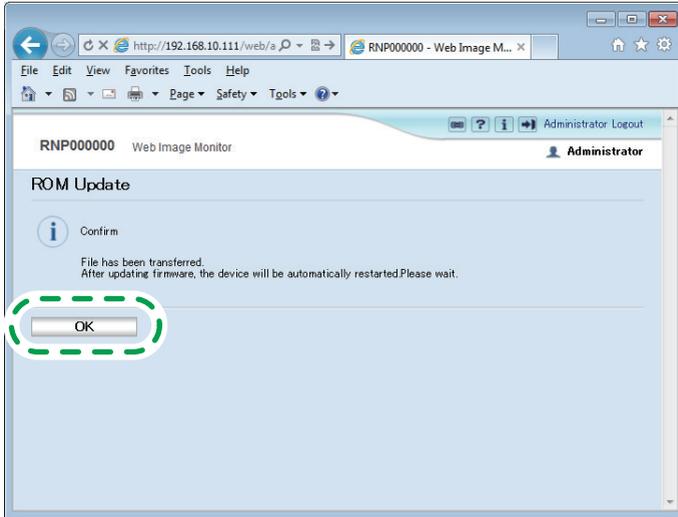
CHU280

Updating starts.

When the update file transfer completes, the following message appears: The update takes a while. Do not operate the Web browser, computer, or the machine while updating. The update progress appears on the machine's control panel.



## 9. Click [OK].

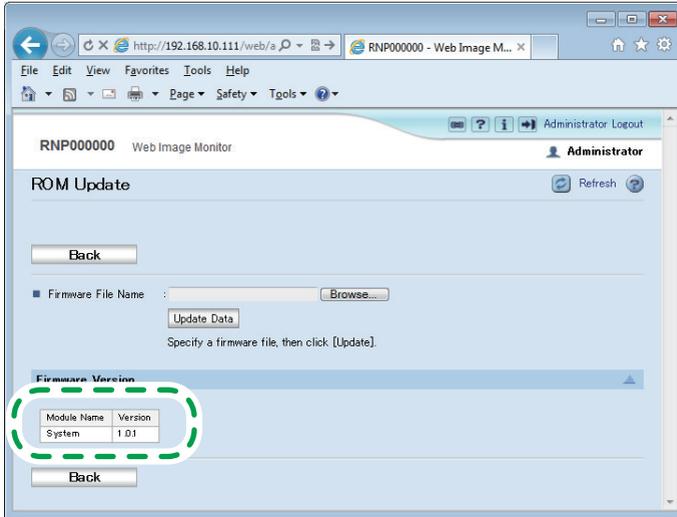


CHU277

The rebooting takes a while. Click [OK] after it reboots.  
The display returns to the ROM Update page.

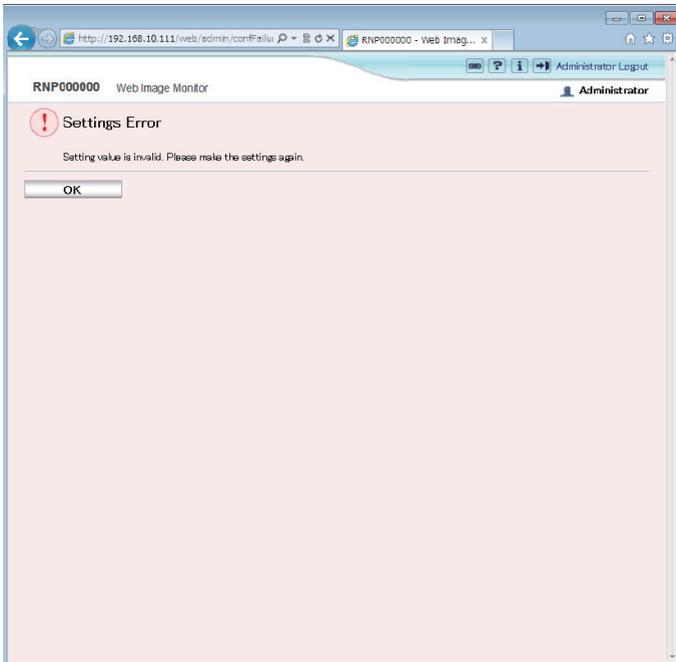
If DHCP has been enabled, the IP address might be updated, resulting in the Web browser not returning to the top page. If the top page does not appear, check the IP address using the machine's control panel and try connecting again.

## 10. Check the current firmware version.



CHU278

If it has been updated, the update has completed successfully. Otherwise, turn the power off and back on, and then try this procedure again from Step 1.



## 6. Wireless LAN Update Operating Instructions

These instructions explain how to update the wireless LAN of SG 3110DW.

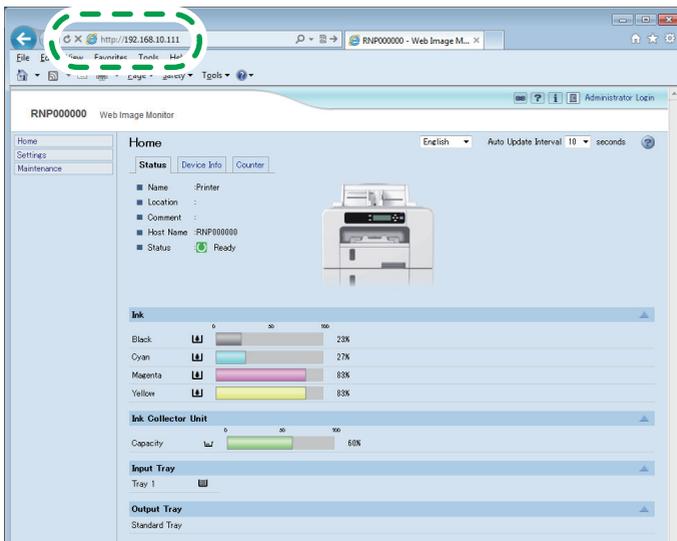
Before you start the update, make sure of the following:

- The machine is in standby mode.
- A wireless LAN connection is active.
- No applications are running on the computer.

The following procedure uses Windows 7 screenshots.

1. **Open a Web browser.**

2. **Enter "http://(the machine's IP address or host name)/" in the address bar.**



CHU266



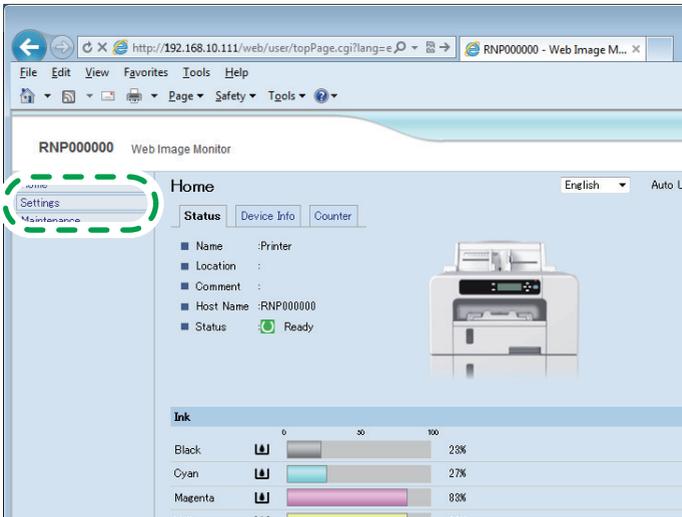
4. Enter the login name and password, and then click [OK].

The default login name for administrators is "admin". No login password is set up. To ensure security, it is important you change the password.



CHU282

5. In the menu area, click [Settings].



CHU288

## 6. Click [Wireless LAN Settings].

RNP000000 Web Image Monitor Administrator

Home  
Settings  
Maintenance

**Settings** Refresh

**Device Settings**

- System
- Date/Time
- Email
- RDM Update

**Auto Email Notification**

- Error Notification by Email: Group 1
- Error Notification by Email: Group 2
- Error Notification by Email: Group 3
- Counter Notification: Group
- Detailed Settings for Error Notification
- Counter Notification

**Administrator Tools**

- Administrator Authentication
- Restore Defaults

**Interface**

- Interface Settings
- Wireless LAN Settings

**Network**

- IPv4
- IPv6
- DHCPv6
- IGMP
- SNMP
- SNMPv3
- Bonjour

**Security**

- Network Security
- Access Control
- 802.1X Authentication
- SSL/TLS
- Site Certificate
- Device Certificate
- IPsec

CHU283

## 7. Select the update file (\*\*\*.bin).

Enter the path to the file in [Firmware File Name] or click [Browse...] and select the file.

The screenshot shows a web browser window displaying the configuration page for RNP000000. The page title is "Web image Monitor" and the user is logged in as "Administrator". The main heading is "Wireless LAN Settings".

At the top, there are "OK" and "Cancel" buttons. Below them is a note: "[Note] If the settings are incorrect, you may not be able to connect to the network."

The settings are organized into three sections:

- Wireless LAN Settings:**
  - Network: Active
  - Version: 1.11
  - MAC Address: 00:00:00:00:00:00
  - Wireless Signal Status: Unavailable(0%)
  - SSID: [Empty text field]
  - Security Method: Inactive
- WEP Settings:**
  - WEP Key Status: Not Set
  - New WEP Key: [Empty text field] [Apply]
  - Confirm WEP Key: [Empty text field]
- WPA Settings:**
  - WPA Encryption Method:  TKIP  CCMP
  - WPA Authentication Method: WPA-PSK
  - PSK Status: Not Set
  - PSK: [Empty text field] [Apply]
  - Confirm PSK: [Empty text field]
  - User Name: [Empty text field]
  - EAP Type: EAP-TLS
  - WPA Client Certificate Status: None
  - Certificate Validity Period Error: Certificate validity period unknown.
  - Password: [Empty text field] [Apply]
  - Confirm Password: [Empty text field]

At the bottom, there is a "Firmware File Name" field with a "Browse..." button next to it. This field and button are circled with a green dashed line. Below this field is the instruction: "Specify a firmware file, then click [Update]."

At the very bottom of the page, there are "OK" and "Cancel" buttons.

CHU270

## 8. Click [Update].

The screenshot shows the 'Wireless LAN Settings' page for RNP000000. The page includes sections for 'Wireless LAN Settings', 'WEP Settings', 'WPA Settings', and 'Firmware Update'. The 'Firmware Update' section contains a 'Firmware File Name' field with a 'Browse...' button and an 'Update' button. The 'Update' button is circled in green with a dashed border. Below the 'Update' button, there is a note: 'Click [Update] to start the update process. After the update is complete, click [OK]. If the update fails, click [Cancel].'

Wireless LAN Settings

[Note] If the settings are incorrect, you may not be able to connect to the network.

**Wireless LAN Settings**

- Network : Active
- Version : 1.11
- MAC Address : 00:00:00:00:00:00
- Wireless Signal Status : Unavailable(0%)
- SSID :
- Security Method : Inactive

**WEP Settings**

- WEP Key Status : Not Set
- New WEP Key :   Apply
- Confirm WEP Key :

**WPA Settings**

- WPA Encryption Method :  TKIP  CCMP
- WPA Authentication Method : WPA-PSK
- PSK Status : Not Set
- PSK :   Apply
- Confirm PSK :
- User Name :
- EAP Type : EAP-TLS
- WPA Client Certificate Status : None
- Certificate Validity Period Error : Certificate validity period unknown.
- Password :   Apply
- Confirm Password :

**Firmware Update**

- Firmware File Name :
- 

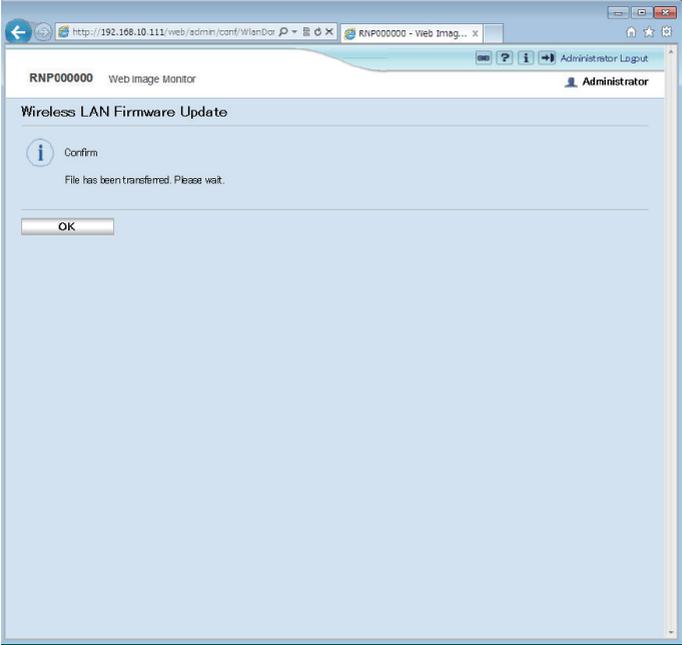
Click [Update] to start the update process. After the update is complete, click [OK]. If the update fails, click [Cancel].

OK Cancel

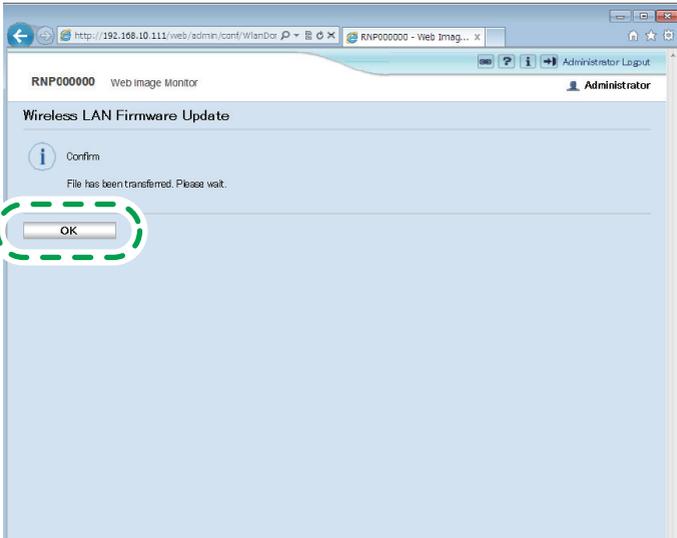
CHU271

Updating starts.

When the update file transfer completes, the following message appears:  
The update takes a while. Do not operate the Web browser, computer, or the machine while updating. The update progress appears on the machine's control panel.



## 9. Click [OK].

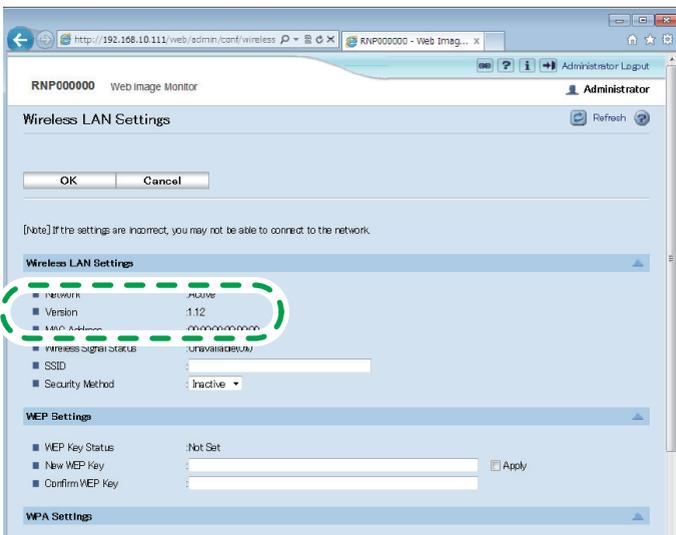


CHU272

The rebooting takes a while. Click [OK] after it reboots.  
The display returns to the ROM Update page.

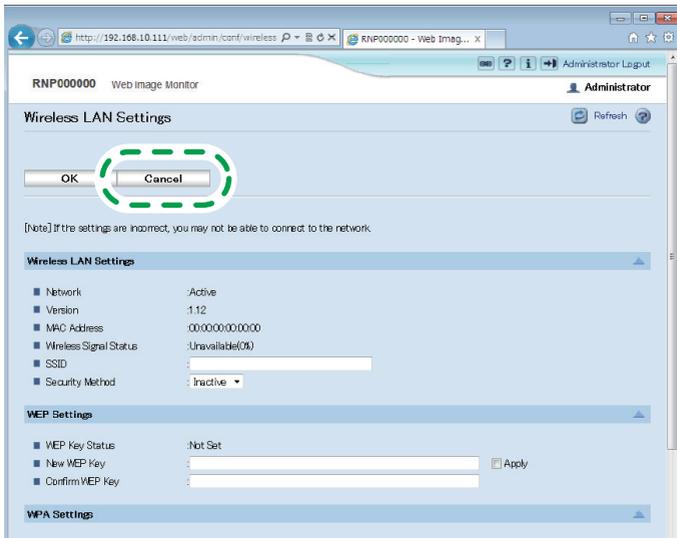
If DHCP has been enabled, the IP address might be updated, resulting in the Web browser not returning to the top page. If the top page does not appear, check the IP address using the machine's control panel and try connecting again.

## 10. Check the version in "Wireless LAN Settings".



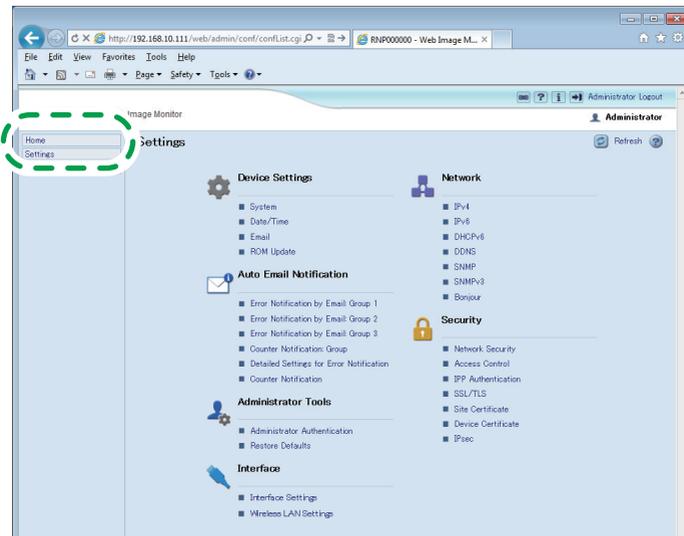
CHU273

## 11. Click [Cancel].



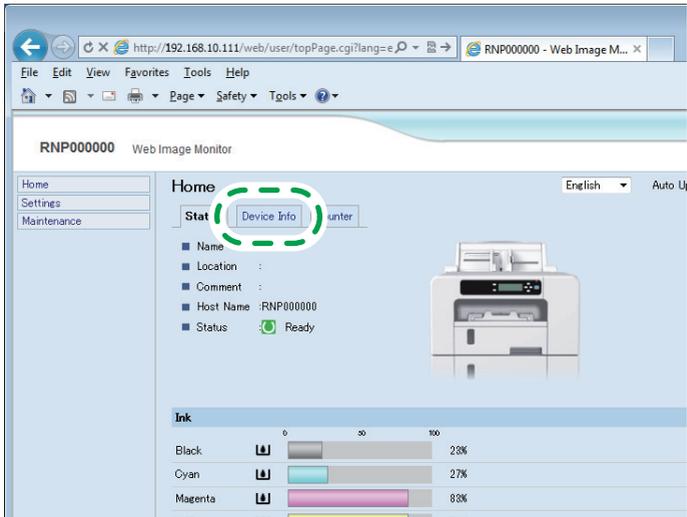
CHU284

## 12. Click [Home].



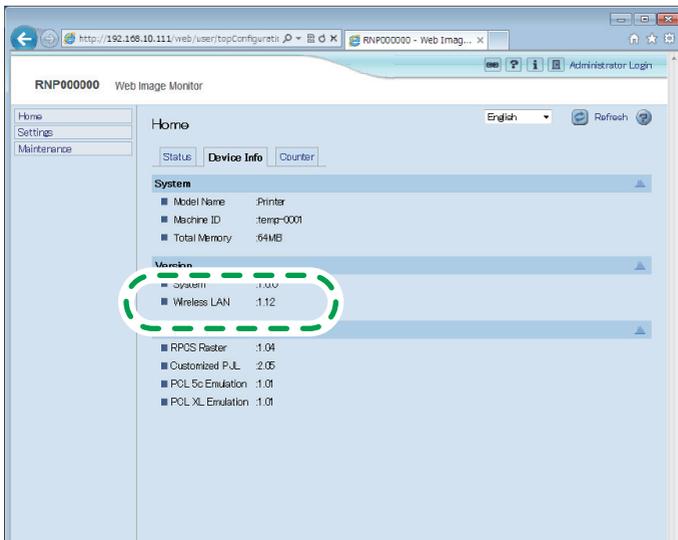
CHU274

### 13. Click [Device Info].



CHU275

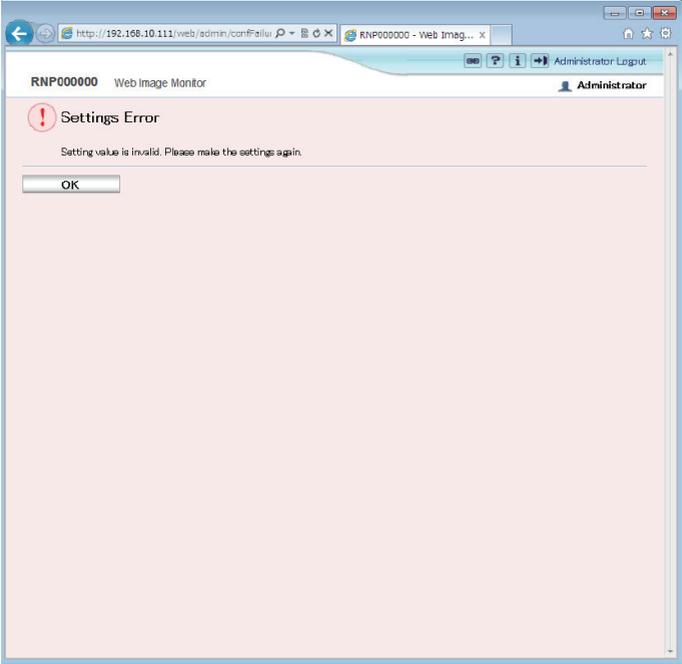
### 14. Check the version in "Wireless LAN".



CHU276

If it has been updated, the update has completed successfully.

Otherwise, turn the power off and back on, and then try this procedure again from Step 1.



## 7. Trademarks

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Microsoft® Windows® 7 Ultimate

Microsoft® Windows® 7 Enterprise

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