

- 1 Enter into the Calibration menu
 - Click the **Calibration** menu to enter.

2 Acquire a Dark Image

Acquire a **Dark Image** needed for the **Calibration**.

- **Dark Image** When Dark Image is acquired, images increase, and the file is saved in the image folder specified in **Settings**.
- The median value of the image is displayed next to the image file name.
- Compare multiple images and remove any faulty image by right-clicking the image.
- When deleting a file, the file list and saved file are also deleted.

3 Acquire a Bright Image

Acquire a **Bright Image** needed for the **Calibration**.

- When **Bright Image** is acquired, images increase, and the file is saved in the image folder specified in **Settings**.
- The median value of the image is displayed next to the image file name.
- Compare multiple images and remove any faulty image by right-clicking the image.
- When deleting a file, the file list and saved file are also deleted.

! NOTE

- Up to 10 **Dark Image** and **Bright Image** each can be saved. When the number of images exceeds 10, the oldest image will be deleted first.
- **Dark Image**: Image acquired without X-ray exposure.
- **Bright Image**: Image acquired with X-ray exposure and without any object (e.g. a phantom) on the detector.

4 Calibration

Calibration Calibration is performed in this menu.

- **Dark Image** : 4 images (minimum)
- **Bright Image**: 5 images (minimum), 10 images (maximum)
- **Calibration** During the Calibration, **Bright Image** acquires an image with a pixel value of 8,800-18,000. (examples of acquisition points - in case of 10 images: 8900, 9100, 9200, 9300, 9600, 10000, 11000, 12000, 14000, 16000)

- The result of the Calibration will be saved in a folder created based on the date and time of performing **Calibration**.
- When the **Calibration** is completed, **BPM Analysis** will be updated.

! NOTE

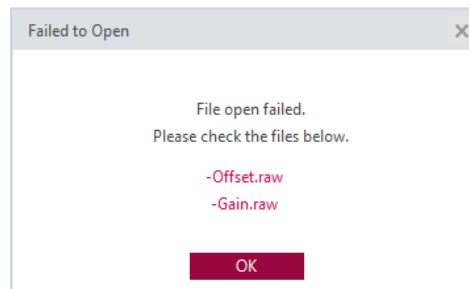
- When running more than 5 Calibrations, the sixth **Calibration** is saved after the first Calibration is automatically deleted.
- If you wish to make a backup, copy the folder containing the result and paste in another location.

5 History

- You can load the result of the **Calibration** performed previously. Click the **Open** button to open the file.

! NOTE

- You only need to select one file to load all relevant files. (select one from **Avgdark.raw**, **Offset.raw**, **Gain.raw**, and **BPM.raw** to load all four files)
- If an error occurs while loading the files, the following pop-up appears. When the following pop-up appears, check the file size, location, file name, and access privilege to the folder and try again.



User BPM

Calibration Use this menu to manually edit the bad pixel map created from the Calibration.

! NOTE

- **User BPM** You can skip the User BPM process and proceed with the **Validation** process.

1

Calibration

User BPM

Validation

El

Navigator

Histogram

Reset

Window

16384

Level

8192

BPM Analysis

Item	Count
Rows	0
Columns	0
Class 0	1
Class 1	0
Class 2	0
Class 3	0
Class 4	0
Class 5~8	0

1716

1463

Pixel Value: 4762

History

Open

2

Factory Calibration

Count: 1

Acquisition

3

BPM_20170303134036.raw

Pixel View

4

1713	1714	1715	1716	1717	1718	1719
1461	4728	4770	4719	4664	4733	4734
1462	4770	4760	4723	4680	4702	4762
1463	4771	4771	4768	4762	4768	4727
1464	4723	4745	4702	4751	4725	4726
1465	4772	4800	4713	4727	4749	4725
1466	4780	4827	4805	4650	4736	4737

Double click a point to update to bad/live pixel

Image Loaded

Min=0, Max=14000, Med=4824, Mean=4832.75, Std=188.85, Bad Pixel Count=1

(3256,360) 148=4800 88=74 12.50% 3328x2816

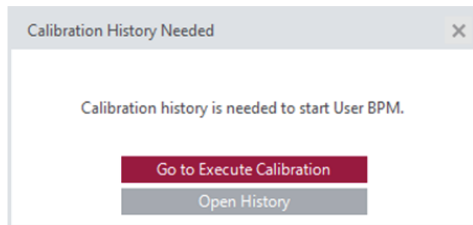
Date	Time	Type	Details
2017-03-03	13:42:35	User BPM	Image opened
2017-03-03	13:42:36	User BPM	Image opened
2017-03-03	13:42:40	User BPM	Image opened

1 Enter into the User BPM menu

- **User BPM** Click the User BPM menu to enter.

! NOTE

- **Calibration** The following pop-up appears when entering into the menu without completing the Calibration.



2 Check the History file

- **Calibration** Check if the **History** name created from the Calibration matches the name shown in the current **History** window.
- Apply the selected **History** and carry out the **User BPM** process.

3 Acquire Images

- **User BPM** The User BPM requires image acquisition because it visually examines the image to which the result of the **Calibration** is applied.
- **Acquisition** Click the Acquisition button and acquire a **Bright Image**. The image name will be shown in the image list.

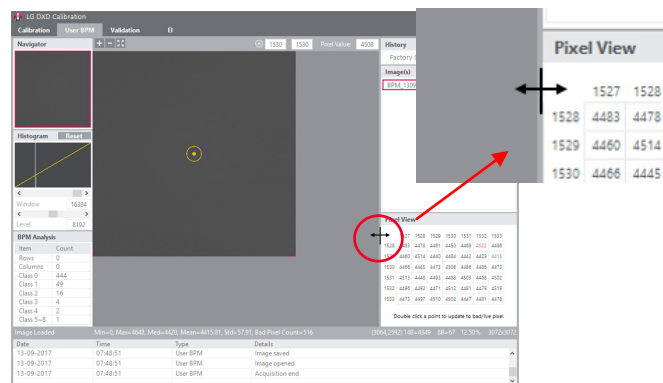
4 Pixel View

- **Pixel View** Check the pixel values in the Pixel View.

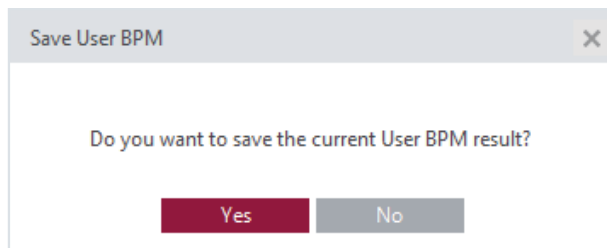
- Pixel values from the centre of the image viewer are provided in the **Pixel View**.
- Here, minimum value, maximum value, and possible bad pixel are shown as follows:

- * Minimum value: shown in blue numbers.
- * Maximum value: shown in red numbers.
- * Possible bad pixel: shown in the grey background.

- **Pixel View** The window size of Pixel View can be changed using the  icon. The  icon appears when hovering the mouse over the border between the **Pixel View** and the image viewer.

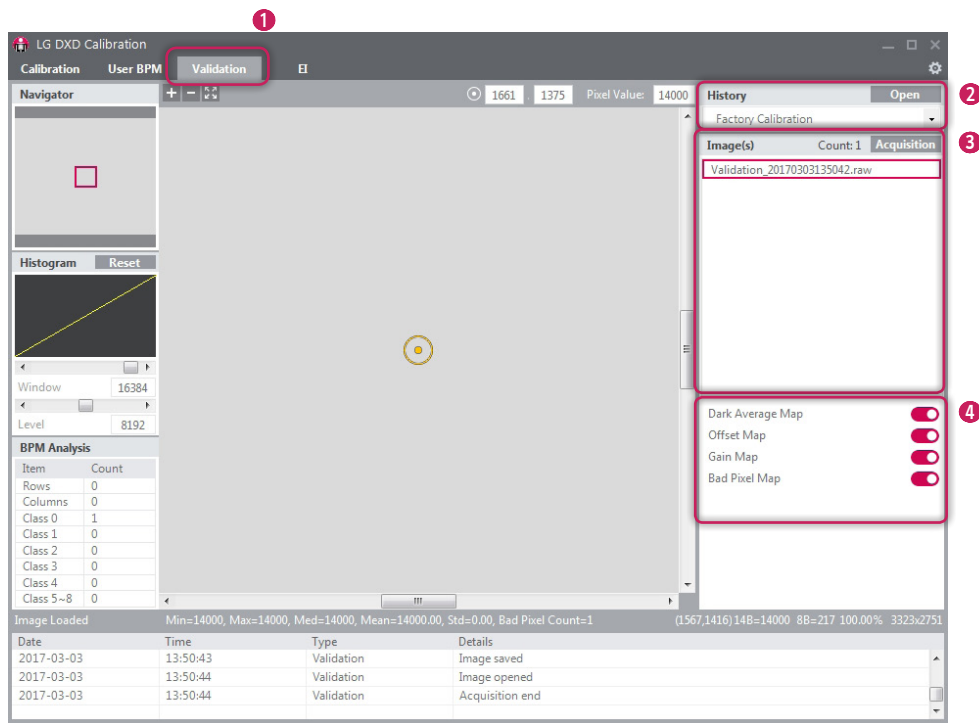


- **Pixel View** Set additional bad pixels in Pixel View
 - **Pixel View** Double click a pixel in the Pixel View to set the pixel as a bad pixel. Double-click the same pixel specified as a bad pixel again to cancel the selection.
 - If a pixel is set as a bad pixel, the value will be updated in the **BPM Analysis**. The specified bad pixel will be replaced with the calibrated pixel value.
- **User BPM** Save the final User BPM.
 - When entering into another menu, the result file will be saved.
 - A pop-up message appears asking to select whether to save the file when leaving the current menu and entering into another one.
 - When saved, one **History** is added and the **BPM.raw** file is updated and saved.



Validation

Calibration This menu enables users to visually check the Calibration result after completing the Calibration.

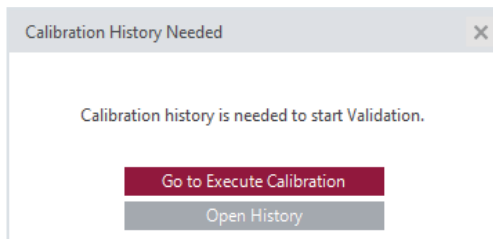


1 Enter into the Validation menu

- **Validation** Click the Validation menu to enter.

! NOTE

- **Calibration** The following pop-up appears when entering into the menu without completing the Calibration.

**2 Check the History file**

- **Calibration** Check if the History name created from the Calibration matches the name shown in the current **History** window.

3 Acquire Images (using the same process as in the User BPM)

- **Acquisition** Click the Acquisition button and acquire a **Bright Image**. The image name will be shown in the image list.
- The information about the image will be shown below the image view.

4 Apply or Do Not Apply the Calibration Result

- You can decide whether to apply each of the Calibration results (**Dark Average Map, Offset Map, Gain Map, Bad Pixel Map**) to the image acquired.

☒ : Apply

☐ : Do Not Apply

! NOTE

- When the first image is acquired and loaded, all results are set to ☒.
- When no image is acquired, the ☒/☐ button is disabled.

El (Exposure Index)

LG DXD Calibration

Calibration User BPM Validation **El** 1

Navigator + - [Zoom] 1412 1376 Pixel Value: 4887

History Open 2
Factory Calibration

Image(s) Count: 1 Acquisition 3
Dose Median 4
El_20170303135125.raw 0 4823

Measure & Save 5

Histogram Reset

Window 16384
Level 8192

BPM Analysis

Item	Count
Rows	0
Columns	0
Class 0	1
Class 1	0
Class 2	0
Class 3	0
Class 4	0
Class 5~8	0

Image Loaded Min=483, Max=14000, Med=4823, Mean=4819.51, Std=104.74, Bad Pixel Count=1 200.00% 3323x2751

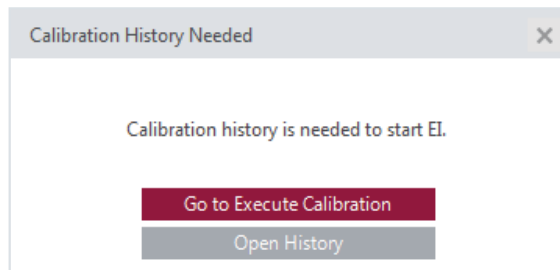
Date	Time	Type	Details
2017-03-03	13:56:50	El	Calibration map loaded
2017-03-03	13:56:50	El	History loaded
2017-03-03	13:56:53	El	Image opened

1 Enter into the EI menu

- **EI** Click the EI menu to enter.

! NOTE

- **Calibration** The following pop-up appears when entering into the menu without completing the Calibration.

**2 Check the History file**

- Check if the History name created during the Calibration matches the name shown in the current **History** window.

3 Acquire Images (using the same process as in the User BPM and Validation)

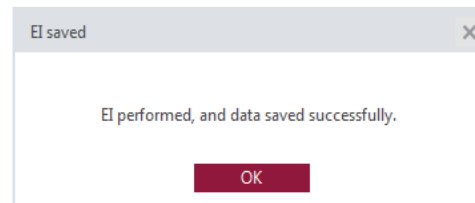
- **Acquisition** Click the Acquisition button and acquire a Bright Image. The image name will be shown in the image list.
- The information about the image will be shown below the image view.

4 Enter Dose Values

- The Dose values must be entered in the Dose field when X-ray irradiation is performed. (unit : uGy)
- The EI value will be calculated based on the data entered.
- Dose values must be entered in numbers only. Texts will not be accepted by default.

5 Measure & Save

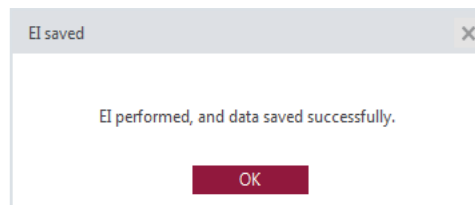
- Once image acquisition and dose value input are completed, click the **Measure & Save** button to save the result value and show a pop-up message as follows:



- The EI result file will be saved in the same location as the Calibration result file.
(e.g. C:\Users\heuser\Documents\LG DXD Calibration\Serial Number\Calibration Result Folder (date-time) heuser: the user's name)

! NOTE

- **Measure & Save** Repeating Measure & Save will update the result file.
- The following pop-up appears when the minimum requirement (3 images) is not met.



Exit

Click the Exit button to close Calibration Software.

Click the **Yes** button to close, or the **No** button to return to the last screen shown before the Exit button is clicked.

Date	Time	Type	Details
2017-09-07	12:16:40	Settings	Connected to detector successfully
2017-09-07	12:18:52	Settings	Ping succeeded to 10.10.10.100
2017-09-07	12:18:54	Settings	Connected to detector successfully

<Exit>

About

Click the **About** button in Settings to show a pop-up displaying the information about the application.
This pop-up provides the information about the application.

LG DXD Calibration

CalibrationUser BPMValidationEIAbout

DXD

Calibration SWFirmware Update

Connection & File Save

DXD Serial Number12345678

DXD IP101010100

Timeout5000 msec. (3000~10000)Ping

Save LocationC:\Users\heuser\Documents\LGOpen

Apply

Network Options

Current Status:WiredChange DXD IPWireless Setup

Installation Info.

Date FormatYYYY/MM/DD

Current Date2017/09/07Register

Detector Parameters

Trigger ModeAutoManual

Sensitivity9 (0~63)

Window Time5 00 msec. (1~40)

Frame Width3072

Frame Height3072

! Press 'Reset' to load factory-default DetectorReset

SaveCancel

Power Options

Auto SleepOff

Auto Power-OffOff

SaveCancel

Exit

Date	Time	Type	Details
2017-09-07	12:16:40	Settings	Connected to detector successfully
2017-09-07	12:18:52	Settings	Ping succeeded to 10.10.10.100
2017-09-07	12:18:54	Settings	Connected to detector successfully

About

LG DXD Calibration

Ver. 3.00.00

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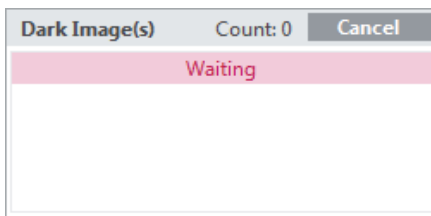
OK

General PopUp

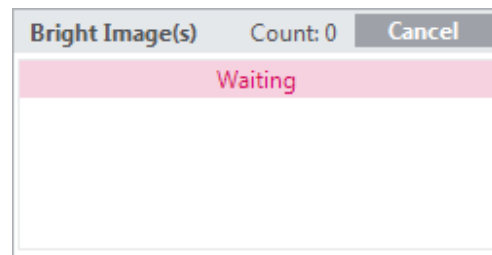
General pop-ups available in Calibration Software are explained below.

Cancelling Image Acquisition

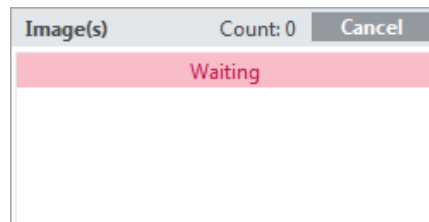
- If you click the **Acquisition** button to acquire each image, the **Acquisition** button switches to the **Cancel** button during the acquisition process.
- Once all the images are acquired, click the **Acquisition** button to return.
- Clicking the **Cancel** button while an image is being acquired will cancel the acquisition.



<the **Dark Image Cancel** button>

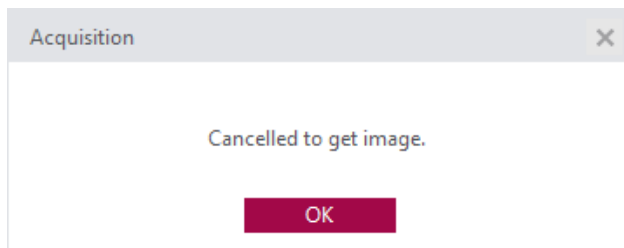


<the **Bright Image Cancel** button>



<the **Image Cancel** button>

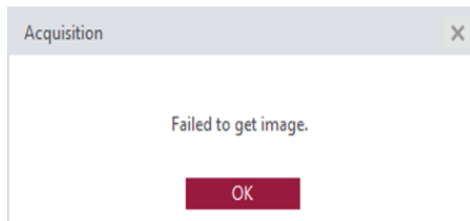
- **Cancel** The following pop-up appears when Cancel is successfully completed.



<the **Get ImageCancel** Completed pop-up>

Image Acquisition Failed

- If the image acquisition fails, the following pop-up message appears. Check the status of the network and detector and try again.



<the Image Acquisition Failed pop-up>

SERVICE MANUAL

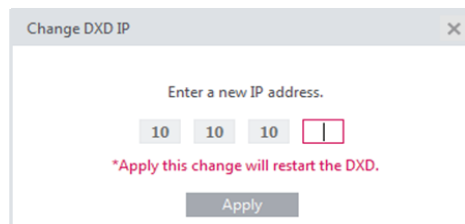
Setting IP address of Detector

- 1 Launch "Launching Program"> "IP Address Check and Ping Test"> "Save Location Check"> "Apply" in order.
- 2 Click the **Change DXD IP** button.

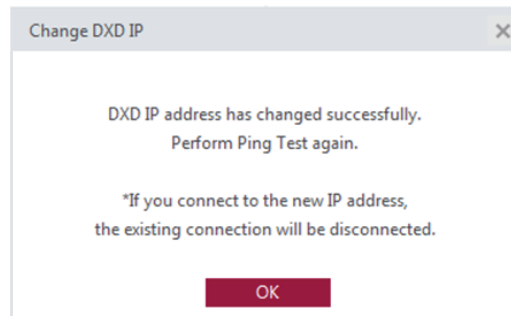
The screenshot shows the 'LG DXD Calibration' software window. The 'DXD' tab is selected, displaying configuration options for the detector. The 'Connection & File Save' section includes fields for 'DXD Serial Number', 'DXD IP' (set to 10.10.10.100), 'Timeout' (5000 msec), and 'Save Location' (D:\). The 'Network Options' section shows 'Current Status' as 'Wired' and a red box highlighting the 'Change DXD IP' button. The 'Installation Info.' section shows 'Date Format' as 'YYYY/MM/DD' and 'Current Date' as '2018/01/19'. The 'Detector Parameters' section includes 'Trigger Mode' (Manual), 'Sensitivity' (15), 'Window Time' (500 msec), 'Frame Width' (2500), and 'Frame Height' (3052). The 'Power Options' section shows 'Auto Sleep' and 'Auto Power-Off' both set to 'Off'. A 'Reset' button is available for the detector parameters. The 'Exit' button is at the bottom right. A log table at the bottom shows the following data:

Date	Time	Type	Details
2018-01-19	15:04:12	Settings	Ping succeeded to 10.10.10.100
2018-01-19	15:04:14	Settings	Failed to load factory calibration files
2018-01-19	15:04:14	Settings	Connected to detector successfully

- 3 When a pop-up appears, change the settings and click the **Apply** button.
- Start changing the IP address by selecting the Apply button.



- 4 Check the result and re-boot the detector.
- A pop-up appears to with the following message whether the IP address is changed or not.



<a pop-up when the settings are made successfully>

- Once the IP address is changed, re-boot the detector to complete applying the changes to the IP.
- Click the OK button to automatically re-boot the detector.
- The detector will be disconnected during the re-boot process. Make sure to perform the **Connection & File Save** process again.

Wireless AP Setup

If the detector is connected to the AP wirelessly, the AP information must be stored in the detector.

The detector will attempt to connect to the AP when it is re-booted after the AP information is saved in the detector.

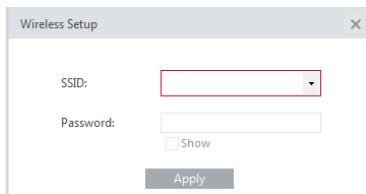
The saved AP information can be accessed using the **Web Monitoring** feature.

- 1 Launch "Launching Program"> "IP Address Check and Ping Test"> "Save Location Check"> "Apply" in order.
- 2 Enable the wireless network on the PC and click the **Wireless Setup** button.

The screenshot shows the 'LG DXD Calibration' application window. The 'Calibration' tab is active, and the 'DXD' sub-tab is selected. The 'Network Options' section is visible, showing 'Current Status: Wired'. The 'Wireless Setup' button is highlighted with a red rectangle. Other sections include 'Connection & File Save', 'Detector Parameters', 'Installation Info.', and 'Power Options'. At the bottom, there is a log table.

Date	Time	Type	Details
2018-10-01	09:22:18	Settings	Ping succeeded to 10.10.10.100
2018-10-01	09:22:21	Settings	Connected to detector successfully

- Enter the SSID and password in the pop-up and click the **Apply** button.



A screenshot of a 'Wireless Setup' dialog box. It has a title bar with a close button. Inside, there is an 'SSID:' label followed by a dropdown menu. Below that is a 'Password:' label followed by a text input field. Under the password field is a checkbox labeled 'Show'. At the bottom right is an 'Apply' button.

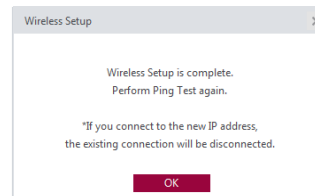


NOTE

- The SSID may look garbled with a box, question mark, etc. due to encoding or compatibility issues.

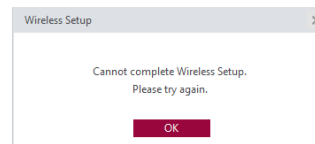
3 Check the result after the application.

- A pop-up appears with the following message whether the IP address is changed or not.



A screenshot of a 'Wireless Setup' dialog box showing a completion message. The text inside says: 'Wireless Setup is complete. Perform Ping Test again.' Below this, in smaller text, it says: '*If you connect to the new IP address, the existing connection will be disconnected.' At the bottom is an 'OK' button.

<a pop-up when the settings are made successfully>



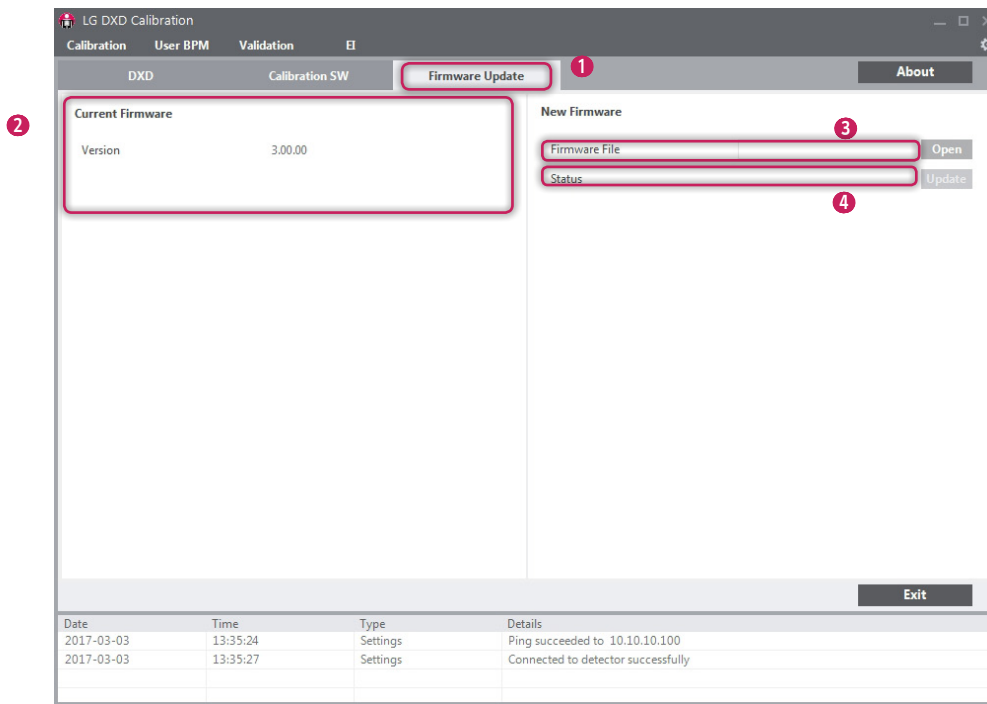
A screenshot of a 'Wireless Setup' dialog box showing an error message. The text inside says: 'Cannot complete Wireless Setup. Please try again.' At the bottom is an 'OK' button.

<a pop-up when the settings are not made>

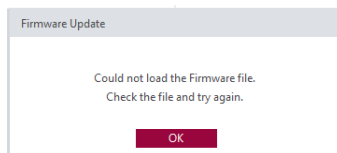
Updating Detector Firmware

Use this menu to check and update the firmware version of the detector.

- 1 Launch "Launching Program"> "IP Address Check and Ping Test"> "Save Location Check"> "Apply" in order.

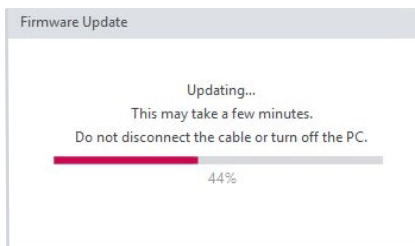


- 1 Select the **Firmware Update** tab.
- 2 Check the current firmware version.
 - The current firmware version of the detector is indicated, and the version appears when a PC is connected to the detector.
- 3 Select the firmware file to update.
 - **Open** Click Open to launch a file explorer. Select the file to update to perform a check to validate the selected file.
 - If it is a correct firmware file, its name will be shown in the **Firmware File**.
 - If an incorrect file is selected, the following pop-up appears.



<a pop-up when the file loading fails>

- 4 Update the file.
 - Select the file and click the **Update** button to start updating the firmware.
 - The progress will be indicated in the **Firmware Update**.

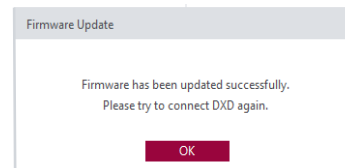


<a pop-up during file updates>

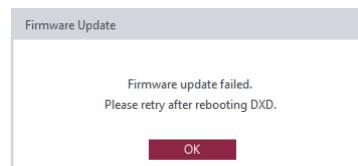
⚠ CAUTION

- Do not remove the power cable until the update is completed. If the detector is turned off while the update is in progress, it may not work properly.

- 2 Check the result.
 - The following pop-up appears when the update is completed.



<a pop-up when the file update is completed successfully>



<a pop-up when the file update fails>

Saving Installation Date

The first Calibration date can be saved in the detector.

- 1 Launch "Launching Program"> "IP Address Check and Ping Test"> "Save Location Check"> "Apply" in order.
- 2 **Settings** Select the Settings > **DXD** tabs.
- 3 Check the installation date and choose the date format to be displayed.



- **YYYYYYYY**: Year
- **MMMM**: Month
- **DDDD**: Day

! NOTE

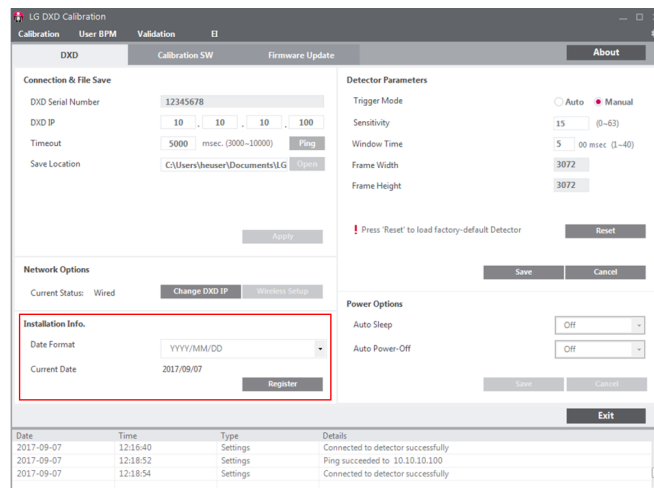
- The date will be loaded based on the date and time set in the PC that runs the program.



- 4 **Register** Select the Register button to open a pop-up. The installation date can be checked using the Web Monitoring feature.

! CAUTION

- Please be careful to select the feature because this feature can be only saved once per detector and cannot be edited.
- 5 Select the **Yes** button in the pop-up to store the information in the detector and disable the **Register** button.



Setting Power Options

The Power Options can be saved in the detector.

- 1 Launch "Launching Program"> "IP Address Check and Ping Test"> "Save Location Check"> "Apply" in order.
- 2 **Settings**Select the Settings > **DXD** tabs.
- 3 **Auto Sleep**Select the option in Auto Sleep and **Auto Power-Off**.
- 4 **Save**Click the Save button to save the **Power Options** in the detector.

! NOTE

- Only the above settings will be saved in Calibration Software.
- The detector enters into Power mode (Standby/Power-Off) when there is no communication for a set period of time.
- The detector does not enter into Power mode (Standby/Power-Off) while Calibration Software is running (i.e., starting from Apply to the point the program ends).
- This feature is enabled in a wireless model only.

The screenshot shows the 'LG DXD Calibration' software window. The 'DXD' tab is selected, and the 'Power Options' section is highlighted with a red box. The 'Power Options' section contains two settings: 'Auto Sleep' and 'Auto Power-Off', both set to 'OFF'. The 'Save' button is visible below these settings.

LG DXD Calibration

Calibration User RPM Validation E3

DXD Calibration SW Firmware Update About

Connection & File Save

DXD Serial Number: [Text Field]

DXD IP: [10] [.] [10] [.] [10] [.] [100]

Timeout: 5000 msec (0000~10000) Ping

Save Location: D:\ [Text Field] Open

Apply

Detector Parameters

Trigger Mode: ☒ Auto ☐ Manual

Sensitivity: 15 (0~63)

Window Time: 5 00 msec (1~40)

Frame Width: 2500

Frame Height: 3052

! Press "Reset" to load factory-default Detector

Reset

Save Cancel

Network Options

Current Status: Wired Change DXD IP Wireless Setup

Installation Info.

Date Format: YYYY/MM/DD

Current Date: 2018/01/19 Register

Power Options

Auto Sleep: OFF

Auto Power-Off: OFF

Save Cancel

Exit

Date	Time	Type	Details
2018-01-19	15:27:17	Settings	Ping succeeded 10.10.10.100
2018-01-19	15:27:19	Settings	Failed to load factory calibration files
2018-01-19	15:27:19	Settings	Connected to detector successfully

Web Monitoring

This feature allows users to check internal information such as shipping date, installation date, software version, etc. of the detector using a web browser.

Internal Information

Category	Content	Explanation
Product Information	Software Version	• Version of the firmware currently installed in the detector
	Shipping Date	• Date on which the product is manufactured
	Installation Date	• Date on which the product is installed by the installation engineer
	Model No.	• Model number of the product
	Serial No.	• Serial number of the product
Network	Status of connection	• Mode of network connection (wired)
	IP	• IP address of the detector
	SSID	• Wireless AP SSID
	Netmask	• Netmask of the detector
	Gateway	• Gateway of the detector
	Mac	• Mac address of the product
Battery	Status	• Battery level, charged level alert, auto standby, auto power-off
Others	Bright Image Count	• No. of image acquisitions with X-ray exposure
	Dark Image Count	• No. of image acquisitions without X-ray exposure

Web Monitoring

- 1 Makes the wired/wireless connection between the detector and a PC.
- 1 Launch "Launching Program"> "IP Address Check and Ping Test"> "Save Location Check"> "Apply" in order.
- 2 Enter the detector's IP address in the address field of the web browser in the PC.
- 3 Default IP address: 10.10.10.100 The following page appears:

DXD Monitoring System			
Product Information	Network Information	Battery	ETC
Software Version Firmware Ver. 2.00.01	Status  Wired Connected	Status  Battery Connected  Fully Charged 100 %	Bright Image Count 1
Manufacturing Date 2017. 11. 20	IP 10.10.10.100	Auto Sleep Off	Dark Image Count 4
Installation Date 0000. 00. 00	SSID N/A	Auto Power-Off Off	
Model Number 14HK701G	Netmask 255.255.255.0		
Serial Number 12345678	Gateway 10.10.10.1		
	Mac 78:5D:C8:B9:44:09		

MAINTENANCE

Cleaning

- Start cleaning after turning off the detector.

Test

- Carry out a regular test before use to ensure stable and normal operation of the detector. If the problem occurs, contact the manufacturer.
- Please perform tests based on items listed in the checklist below.

Checklist	Tester	Interval of Test
Are the cables damaged?	User	Daily
Are plugs or terminals loose or damaged?	User	Daily
Is the detector surface scratched or cracked?	User	Daily
Is the LED power working normally?	User	Daily
Perform a regular Calibration test	Supplier	3-6 months
Conduct a performance test	Supplier	1 year

TROUBLESHOOTING

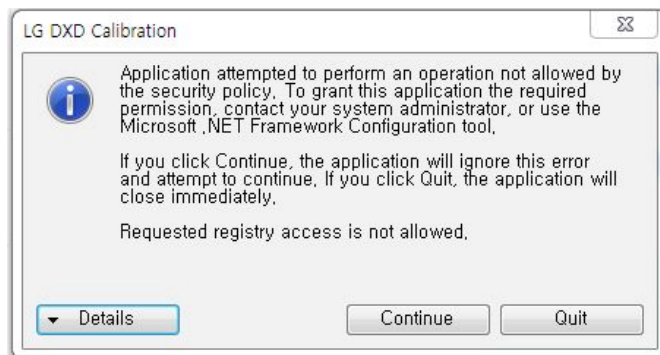
If you encounter problems when using the detector, use the guide provided in the corresponding section to solve the problem. If the problem persists, please contact the manufacturer.

Problem	Solution
When the detector is not turned on	• Check if the main cable is connected properly. • Disconnect and reconnect the main cable.
When the detector is suddenly turned off during the use	• Check if the main cable is connected properly.
When the LEDs of Ready/Exposure parts on the control box blink in orange	• Check the status of the power cable connection of the Control Box. • Check if the Control Box is properly connected to the X-ray generator or detector.
When the detector is not connected to the PC	• Check if the power is on. If the power is on, check the following items. • Check if they are connected in accordance with the instructions in the manual. Try connecting again. • Go to Settings > Connection & Save Location in Calibration Software and run a Ping Test to check the connection. Alternatively, open a browser window and enter an IP in the address bar to check if a page is loaded properly. • Check if the PC's network IP uses the same IP as the detector. • In some cases, especially in Win 8 OS, the firewall rule that blocks all incoming ICMP packets may cause connection issues. Refer to the "Removing the Battery" section in the next page.
When there is a problem with the status of the acquired image	• Make sure that there is no foreign matter on the surface of the detector. • If an image is acquired immediately after turning on the detector, a poor image may be acquired due to an unstable panel. Open the Calibration menu in Calibration Software and acquire a couple of Dark Images first, or wait for a while and try again. • If the image is still unstable, run a Calibration and apply the result before proceeding.

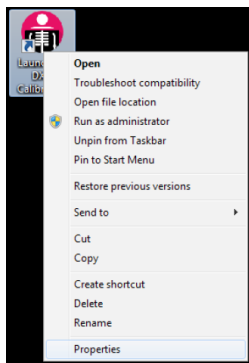
Problem	Solution
Validation When some areas appear abnormal in the acquired Validation image	• Calibration When acquiring images in the Validation after creating the Calibration result file in the Calibration menu, an abnormal image may be acquired. Check the issues below and follow the guide. 1 When some areas appear in black or light bleeding occurs in the acquired image - Calibration Go to the Calibration menu > BPM Analysis on the left bottom corner and check if Rows, Columns, and Class 5~8 have more than dozens of values. If so, follow the steps below to run a new Calibration and acquire Validation images. 1) Adjust the X-ray generator's position so that the detector is within the X-ray irradiation range before running a Calibration. 2) Keep the distance at least 120 cm between the detector and the X-ray generator tube. 3) If the distance cannot be more than 120 cm in Step 2), change the detector settings as follows before proceeding with the Calibration. Go to Setting > Calibration SW and enter a value 0.05-0.1 higher than the existing value for Gain and Save. Go to Setting > Calibration SW and enter a value 1.5-2 times greater than the existing value for Offset and Save. ! NOTE • Due to the heel effect of the X-ray generator, if the distance is short, less X-ray irradiation may be applied to the edge of the detector. This difference makes it necessary to adjust the Gain and Offset values. Gain The Gain adjustment is a required process, but the Offset adjustment may be skipped depending on the situation. 4) Go to the Calibration menu and acquire Dark Image and Bright Image to run a Calibration. If the BPM Analysis result is not improved, repeat Step 3). 2 When some areas appear in black in the form of the straight or curved line - Check if the problematic area is within the X-Ray irradiation range. - Check if foreign matters or other objects are on the detector. 3 When white or black pixels appear in the image - Calibration Run a Calibration again to create a new Calibration result, and, with the result, acquire Validation images. - If the problem persists even after the new Calibration, set the pixel as a bad pixel in the User BPM and go to History > Open on the top right corner to load the newly created calibration result and perform a Validation again.

Program Not Launched Due to Access Privilege Issues

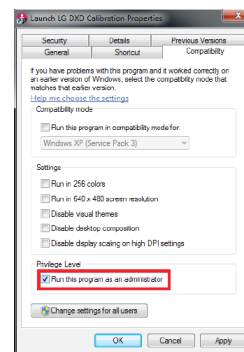
- 1 When the program is not launched with the following pop-up after going to **Run the program** > **Ping** > **Apply**, check the following items.



- 2 Right-click the launching icon of Calibration Software and select **Properties**.



- 3 In the **Properties** window, enter into the **Compatibility** tab and select the Run this program as an administrator checkbox under the **Privilege Level**.



TROUBLESHOOTING FIREWALL ISSUES

If the Link LED is off on the DXD set due to Windows Firewall, follow the steps below.

- 1 Go to Control Panel and select the **System and Security** menu.

Adjust your computer's settings

View by: Category ▾



System and Security

Review your computer's status
Back up your data
Find and fix problems



Network and Internet

View network status and tasks
Choose homegroup and sharing options



Hardware and Sound

View devices and printers
Add devices and printers



Programs

Uninstall a program



User Accounts and Family Safety

Add or remove user accounts
Set up parental controls for any user



Appearance and Personalization

Change the theme
Change desktop background
Adjust screen resolution



Clock, Language, and Region

Change display language
Change keyboards or other input methods



Ease of Access

Let Windows suggest settings
Optimize visual display

- 2 Click the **Windows Firewall** link.



Action Center

[Review your computer's status and resolve issues](#) | [Change User Account Control settings](#) |
[Troubleshoot common computer problems](#) | [Restore your computer to an earlier time](#)



Windows Firewall

[Check firewall status](#) | [Allow a program through Windows Firewall](#)



System

[View amount of RAM and processor speed](#) | [Check the Windows Experience Index](#) |
[Allow remote access](#) | [See the name of this computer](#) | [Device Manager](#)

- 3 On the left side of the pane, click the **Advanced Settings** link.

Control Panel Home

[Allow a program or feature through Windows Firewall](#)



[Change notification settings](#)



[Turn Windows Firewall on or off](#)



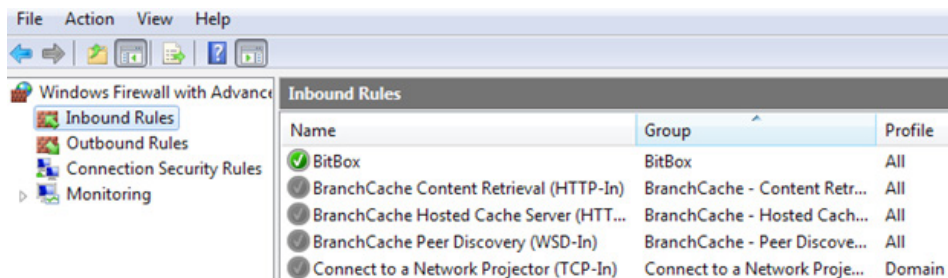
[Restore defaults](#)



[Advanced settings](#)

[Troubleshoot my network](#)

- 4 Under the Windows Firewall with Advanced Security, select **Inbound Rules**.



- 5 Scroll down to find the **File and Printer Sharing** rule and click **Enable Rule**.



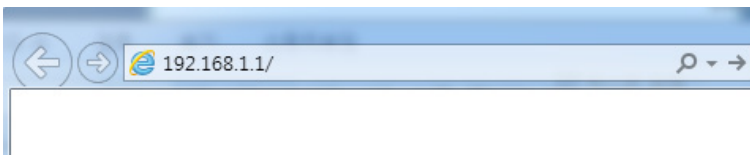
- 6 Check the status and connect the detector again.

File and Printer Sharing (Echo Request - ICMPv4-In)	File and Printer Sharing	Private, Public
File and Printer Sharing (Echo Request - ICMPv4-In)	File and Printer Sharing	Domain
File and Printer Sharing (Echo Request - ICMPv6-In)	File and Printer Sharing	Domain
File and Printer Sharing (Echo Request - ICMPv6-In)	File and Printer Sharing	Private, Public

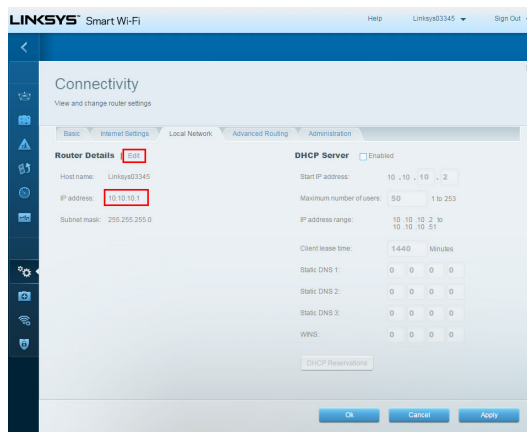
WIRELESS

Wireless Access Point Setup Guide (Model: Cisco Linksys EA9200)

- 1 Connect the LAN cable of the Ethernet port on the PC to the Ethernet port on the AP.
- 2 Open a web browser and enter linksysmartwifi.com or http://192.168.1.1 in the address bar and click the **Enter** key.
(For the first access, the IP Address is 192.168.1.1. However, after the address is changed to 10.10.10.1, the access IP address is 10.10.10.1.)



Go to **Connectivity > Local Network**. Click **Edit** to change the IP Address to 10.10.10.1.



(Click the **Apply** button to apply the current settings.)

- 3 Go to **Wireless**. The name and password of the network can be changed as shown below.

The screenshot displays the Linksys Smart Wi-Fi interface for the 'Wireless' settings. The page title is 'LINKSYS Smart Wi-Fi' with a 'Help' link and a user identifier 'Linksys03345'. The 'Wireless' section is active, showing options for 'Wireless', 'MAC Filtering', and 'Wi-Fi Protected Setup'. Under 'Smart Connect', the '5 GHz band steering' option is selected. The settings are organized into two sections for different frequency bands:

- 2.4 GHz Network:**
 - Network name: LGEDXD
 - Password: lgedxd2000
 - Broadcast SSID: Yes
 - Security mode: WPA2 Personal
 - Network mode: Mixed
 - Channel: Auto
 - Channel width: Auto
- 5 GHz Network:**
 - Network name: LGEDXD
 - Password: lgedxd2000
 - Broadcast SSID: Yes
 - Security mode: WPA2 Personal
 - Network mode: Auto
 - Channel: Auto
 - Channel width: Auto

At the bottom of the page, there are three buttons: 'Ok', 'Cancel', and 'Apply'.

(Click the **Apply** button to apply the current settings.)

Refer to the following website for more information.:

<http://www.linksys.com/sg/support-product?pid=01t80000003efnkAAI>



Model _____
Serial No. _____

Regulatory information

USA(FCC) Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications in construction of this device are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Indoor use only

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment and for indoor use only, use outdoors or in other modes not covered by this manual may violate the FCC regulation and violate the user authority to use the product. Specially, within the 5.15-5.25 GHz band, U-NII device is restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CANADA(IC) Notice

Industry Canada Statement

(For Canada)

[For having wireless function (WLAN, Bluetooth,...)]

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- 1) This device may not cause interference.
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

Avis d'Industrie Canada

(Pour le Canada)

[Pour la fonction sans fil (WLAN, Bluetooth, etc.)]

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement

(For Canada)

[For having wireless function (WLAN, Bluetooth,...)]

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna & your body.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Avis d'Industrie Canada sur l'exposition aux rayonnements

(Pour le Canada)

[Pour la fonction sans fil (WLAN, Bluetooth, etc.)]

Cet appareil est conforme aux limites d'exposition aux rayonnements d'Industrie Canada pour un environnement non contrôlé. Cet appareil doit être installé de façon à garder une distance minimale de 20 cm (7,8 po) entre la source de rayonnement et votre corps.

REMARQUE: LE FABRICANT N'EST PAS RESPONSABLE DES INTERFÉRENCES RADIOÉLECTRIQUES CAUSÉES PAR DES MODIFICATIONS NON AUTORISÉES APPORTÉES À CET APPAREIL. DE TELLES MODIFICATIONS POURRAIENT ANNULER L'AUTORISATION ACCORDÉE À L'UTILISATEUR DE FAIRE FONCTIONNER L'APPAREIL.

RSS-247 Requirement

(For Canada)

[For product having the wireless function using 5 GHz frequency bands]

- i. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- ii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250–5350 MHz and 5470–5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- iii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725–5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
- iv. [for devices operating in the band 5250–5350 MHz having an e.i.r.p. greater than 200 mW] antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 of RSS-247 shall be clearly indicated.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250–5350 MHz and 5650–5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Exigences du CNR-247

(pour le Canada)

[Pour les produits ayant la fonction sans fil utilisant des bandes de fréquence de 5 GHz]

- i. les dispositifs fonctionnant dans la bande de 5 150 à 5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- ii. pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5 250 à 5 350 MHz et de 5 470 à 5 725 MHz doit être conforme à la limite de la p.i.r.e.;
- iii. pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5 725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée, selon le cas;
- iv. [pour des dispositifs fonctionnant dans la bande 5 250 à 5 350 MHz ayant un p.i.r.e. plus de 200 mW], les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la CNR-247 section 6.2.2.3, doivent être clairement indiqués.

Les utilisateurs doivent également savoir que les radars de grande puissance sont attribués en tant qu'utilisateurs principaux (c'est-à-dire les utilisateurs prioritaires) des bandes de 5 250 à 5 350 MHz et de 5 650 à 5 850 MHz et que ces radars peuvent causer des interférences avec les appareils LE-LAN et/ou les endommager.

한국 (Korea)

해당 무선설비는 전파 혼신 가능성이 있으므로 인명 안전과 관련된 서비스는 할 수 없음.

Taiwan

[關於具有無線功能 (無線區域網路、藍牙、...)]
根據NCC低功率電波輻射性電機管理辦法 規定第十二條

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作。

日本 (Japan)

電波法により5GHz帯は屋内使用に限ります。

Information for Environmental Preservation

ENGLISH

Information for Environmental Preservation

LGE. announced the 'LG Declaration for a Cleaner Environment' in 1994, and this ideal has served as a guiding managerial principle ever since. The Declaration is a foundation that has allowed us to undertake environmentally friendly activities in careful consideration of economic, environmental, and social aspects.

We promote activities for environmental preservation, and we specifically develop our products to embrace the concept of environment-friendly. We minimize the hazardous materials contained in our products. For example, there is no cadmium to be found in our product.

Information for recycling

This product may contain parts which could be hazardous to the environment. It is important that this product be recycled after use.

LGE. handles all waste product through an environmentally acceptable recycling method. There are several take-back and recycling systems currently in operation worldwide. Many parts will be reused and recycled, while harmful substances and heavy metals are treated by an environmentally friendly method.

If you want to find out more information about our recycling program, please contact your local LG vendor or a corporate representative of LG. We set our vision and policies on a cleaner world by selecting the issue of the global environment as a task for corporate improvement. Please visit our website for more information about our 'green' policies.
<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

DEUTSCH

Informationen zur Erhaltung der Umwelt

Im Jahr 1994 verkündete LGE die 'LG Declaration for a Cleaner Environment' (LG Erklärung für eine sauberere Umwelt). Seitdem dient dieses Ideal als führendes Prinzip des Unternehmens. Diese Erklärung war die Basis für die Durchführung von umweltfreundlichen Aktivitäten, wobei wirtschaftliche, umweltbezogene und soziale Aspekte in die Überlegungen mit einbezogen wurden.

Wir fördern Aktivitäten zum Schutz der Umwelt und die Entwicklung unserer Produkte ist darauf ausgerichtet, unserem Konzept bezüglich Umweltfreundlichkeit gerecht zu werden.

Wir sind darauf bedacht, den Anteil der in unseren Produkten enthaltenen schädlichen Materialien zu minimieren. So ist in unseren Produkten beispielsweise kein Kadmium zu finden.

Informationen zum Thema Recycling

Dieser Produkt enthält Teile, die umweltschädlich sein können. Es ist unbedingt erforderlich, dass der Produkt recycelt wird, nachdem er außer Dienst gestellt wurde.

Bei LGE. werden alle ausrangierten Produkt in einem unter umweltbezogenen Aspekten geeigneten Verfahren recycelt. Augenblicklich sind weltweit mehrere Rücknahme- und Recyclingsysteme im Einsatz. Viele Teile werden wieder verwendet und recycelt. Schädliche Substanzen und Schwermetalle werden durch umweltverträgliche Verfahren behandelt. Falls Sie mehr über unser Recyclingprogramm erfahren möchten, wenden Sie sich bitte an Ihren lokalen LG-Händler oder einen Unternehmensvertreter von LG.

Wir richten unsere Firmenpolitik auf eine sauberere Umwelt hin aus, indem wir umweltspezifische Aspekte als wichtigen Punkt in die Weiterentwicklung unseres Unternehmens einfließen lassen. Zusätzliche Informationen über unsere 'grüne' Firmenpolitik erhalten Sie auf unserer Website.
<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

FRANÇAIS

Information sur la protection de l'environnement

LGE. a publié sa 'Déclaration en faveur d'un environnement plus propre' en 1994 et celle-ci est restée, depuis lors, un principe directeur de notre entreprise. Cette déclaration a servi de base à notre réflexion et nous a permis de prendre en compte à la fois les aspects économiques et sociaux de nos activités, tout en respectant l'environnement.

Nous encourageons les activités en faveur de la préservation de l'environnement et c'est dans cet esprit que nous développons nos produits : nous réduisons au minimum les matières dangereuses qui entrent dans leur composition et l'on ne trouve pas de cadmium, par exemple, dans nos produits.

Information sur le recyclage

Ce produit peut contenir des composants qui présentent un risque pour l'environnement. Il est donc important que celui-ci soit recyclé après usage.

LGE. traite le produit en fin de cycle conformément à une méthode de recyclage respectueuse de l'environnement. Nous reprenons nos produits et les recyclons dans plusieurs sites répartis dans le monde entier. De nombreux composants sont réutilisés et recyclés, et les matières dangereuses, ainsi que les métaux lourds, sont traités selon un procédé écologique. Si vous souhaitez plus de renseignements sur notre programme de recyclage, veuillez contacter votre revendeur LG ou un l'un de nos représentants.

Nous voulons agir pour un monde plus propre et croyons au rôle de notre entreprise dans l'amélioration de l'environnement. Pour plus de renseignements sur notre politique "verte", rendez visite à notre site :
<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

Informazioni per la tutela dell'ambiente

La LGE. ha annunciato nel 1994 la cosiddetta 'LG Declaration for a Cleaner Environment' (Dichiarazione di LG a favore di un ambiente più pulito), un ideale che da allora funge da principio ispiratore della gestione aziendale. La dichiarazione rappresenta il fondamento che consente di intraprendere attività a favore dell'ambiente tenendo conto degli aspetti economici, ambientali e sociali. Noi della LG, promuoviamo attività a favore della tutela dell'ambiente sviluppando appositamente i nostri prodotti per cogliere il concetto del rispetto dell'ambiente riducendo i materiali dannosi presenti nei nostri prodotti. Ad esempio nei nostri prodotti non è presente il cadmio.

Informazioni per il riciclaggio

Il prodotto può presentare componenti che potrebbero risultare eventualmente dannosi per l'ambiente. È importante che il prodotto sia riciclato al termine del suo utilizzo.

La LGE. gestisce tutti i prodotti di rifiuto con un metodo di riciclaggio soddisfacente dal punto di vista ambientale. In tutto il mondo sono attualmente in funzione numerosi sistemi di riciclaggio e recupero.

I diversi componenti sono riutilizzati e riciclati, mentre le sostanze dannose e i metalli pesanti vengono trattati con un metodo rispettoso dell'ambiente.

Se si desiderano maggiori informazioni in merito al programma di riciclaggio, è consigliabile rivolgersi al proprio rivenditore LG o ad un rappresentante aziendale della LG. Noi della LG impostiamo la nostra visione e le nostre politiche a favore di un mondo più pulito ponendo la questione dell'ambiente dal punto di vista globale come una mansione rivolta al miglioramento della nostra azienda. Vi invitiamo a visitare il nostro sito internet per ulteriori informazioni sulla nostra politica "verde".
<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

Información para la conservación medioambiental

LGE. presentó la 'Declaración para un entorno más limpio de LG' en 1994 y este ideal ha servido para guiar nuestros principios empresariales desde entonces. La Declaración es la base que nos ha permitido llevar a cabo tareas que respetan el medio ambiente siempre teniendo en cuenta aspectos sociales, económicos y medioambientales.

Promocionamos actividades orientadas a la conservación del medio ambiente y desarrollamos nuestros productos específicamente para que se ajusten a la filosofía que protege el entorno.

Reducimos al máximo el uso de materiales de riesgo en nuestros productos. Un ejemplo de ello es la ausencia total de cadmio en nuestros productos.

Información para el reciclaje

Este producto puede contener piezas que entrañen riesgos medioambientales. Es importante reciclar este producto después de su utilización.

LGE. trata todos los productos usados siguiendo un método de reciclaje que no daña al entorno. Contamos con diversos sistemas de recuperación y reciclaje que funcionan a nivel mundial en la actualidad. Es posible reciclar y reutilizar muchas de las piezas, mientras que las sustancias dañinas y los metales pesados se tratan siguiendo un método que no perjudique al medio ambiente. Si desea obtener más información acerca del programa de reciclaje, póngase en contacto con su proveedor local de LG o con un representante empresarial de nuestra marca.

Basamos nuestra visión y nuestras políticas en un mundo más limpio y para ellos optamos por un entorno global como tarea principal de nuestra evolución como empresa. Visite nuestra página Web para obtener más información sobre nuestras políticas ecológicas.

<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

Informações relacionadas à preservação ambiental

A LGE. anunciou a 'LG Declaration for a Cleaner Environment' (Declaração da LG para um ambiente mais limpo) em 1994 e esse ideal tem servido desde então como um princípio administrativo de orientação. A Declaração é a base que nos tem permitido realizar atividades favoráveis ao ambiente com consideração atenta aos aspectos econômicos, ambientais e sociais. Promovemos atividades de preservação ambiental e desenvolvemos nossos produtos para englobar especificamente o conceito de favorável ao ambiente. Reduzimos os materiais perigosos contidos em nossos produtos. Por exemplo, não há cádmio em nossos produtos.

Informações relacionadas à reciclagem

Este produto pode conter peças que podem representar riscos ao ambiente. É importante que ele seja reciclado após o uso. A LGE. cuida de todos os produtos descartados através de um método de reciclagem agradável ao ambiente. Há vários sistemas de devolução e reciclagem atualmente em operação no mundo. Muitas peças serão reutilizadas e recicladas e as substâncias nocivas e os metais pesados passarão por tratamento através de um método favorável ao ambiente. Para obter mais informações sobre nosso programa de reciclagem, entre em contato com seu fornecedor LG local ou com um representante corporativo da LG. Definimos nossa visão e nossas políticas relacionadas a um mundo mais limpo selecionando a questão do ambiente global como uma tarefa de aprimoramento corporativo. Visite nosso site para obter mais informações sobre nossas políticas de meio ambiente.

<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

Informatie met betrekking tot het behoud van het milieu

LGE. publiceerde in 1994 de 'LG Declaration for a Cleaner Environment' (de LG-verklaring met betrekking tot een schoner milieu). Deze verklaring en het ideaal van een schoner milieu fungeren sindsdien als een bestuurlijke leidraad voor onze onderneming. Op basis van deze verklaring ontplooiën wij milieuvriendelijke activiteiten, waarbij er zowel met sociale en economische aspecten, als met milieuaspecten zorgvuldig rekening wordt gehouden.

Wij ondersteunen activiteiten die zijn gericht op het behoud van het milieu en wij houden bij het ontwikkelen onze producten specifiek rekening met de milieuvriendelijkheid van onze producten.

Wij minimaliseren het gebruik van schadelijke stoffen in onze producten. Er wordt bijvoorbeeld geen cadmium verwerkt in onze product.

Informatie met betrekking tot recycling

Deze product bevat materialen die schadelijk zouden kunnen zijn voor het milieu. Het is belangrijk dat deze product aan het einde van zijn levensduur wordt gerecycled.

LGE. verwerkt alle afval product via een milieuvriendelijke recyclingmethode. Hiervoor worden er momenteel wereldwijd verscheidene inname- en recyclingsystemen gehanteerd. Een groot aantal onderdelen wordt opnieuw gebruikt en gerecycled, waarbij schadelijke stoffen en zware metalen volgens een milieuvriendelijke methode worden verwerkt.

Voor meer informatie over ons recyclingprogramma kunt u contact opnemen met uw plaatselijke LG-vertegenwoordiger of een LG-vestiging.

Onze visie en ons beleid met betrekking tot een schonere wereld vloeien voort uit het feit dat wij het milieu hebben aangemerkt als een onderwerp dat speciale aandacht verdient binnen onze onderneming. Bezoek onze website voor meer informatie over ons 'groene' beleid. <http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

Информация по охране окружающей среды

В 1994 году корпорация LGE опубликовала «Декларацию LG по охране окружающей среды», которая с тех пор служит основным принципом управления. На основе этой декларации мы смогли предпринять действия, обеспечивающие безопасность окружающей среды, уделяя при этом должное внимание экономическим, экологическим и социальным аспектам.

Мы стимулируем деятельность по охране окружающей среды, уделяя особое внимание разработке нашей продукции в соответствии с концепцией экологической безопасности.

Мы сводим к минимуму содержание опасных веществ в нашей продукции. Например, в наших продуктах вы не найдете кадмия.

Информация по утилизации отходов.

Этот продукт может содержать компоненты, которые могут нанести ущерб окружающей среде. Необходимо утилизировать продукт после использования.

Корпорация LGE перерабатывает все бракованные продукты с помощью экологически приемлемого метода утилизации отходов. По всему миру действуют системы утилизации отходов и возврата использованной продукции. Многие компоненты будут вторично использованы и утилизированы, в то время как вредные вещества и тяжелые металлы будут обработаны с помощью экологически приемлемого метода.

За более подробной информацией по нашей программе утилизации отходов обращайтесь к местному поставщику или представителю корпорации LG.

Мы ориентируемся на обеспечение экологической безопасности, ставя себе целью глобальную защиту окружающей среды.

Дополнительную информацию о нашей политике по охране окружающей среды вы можете найти на нашем сайте:

<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

환경 보존 정보

LG전자는 1994년 LG환경 선언문을 발표한 후 현재까지 이를 기업경영의 이념으로 삼아왔습니다. 이 선언문을 바탕으로 LG전자는 모든 경영활동에서 경제성뿐만 아니라 환경성 및 사회성을 주요 의사 결정의 기준으로 삼음으로써 지속적으로 환경친화적인 경영을 전개하고 있습니다.

본사는 더욱 활발한 환경 보존 활동과 더불어 환경친화적 제품 개발에 주력해 왔습니다.

또한, 제품에 포함되는 환경 위해 요소를 최소화하는데에도 노력을 게을리하지 않고 있습니다. LG 전자 기기의 경우 카드뮴을 전혀 사용하지 않는 것에서도 이러한 노력을 알 수 있습니다.

재활용 정보

본 기기에는 환경에 위해를 주는 부품이 포함되어 있을 수도 있습니다. 따라서 사용이 끝난 기기는 재활용하는 것이 좋습니다.

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<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

TÜRKÇE

Çevre Koruma Bilgisi

LGE, 1994 yılında “Temiz Çevre için LG Deklarasyonu” nu ilan etti ve o zamandan beri bu ideal rehberlik eden bir yönetim ilkesine hizmet etti. Deklarasyon, ekonomik, çevresel ve sosyal yönleri dikkatle inceleyerek çevre dostu faaliyetler üstlenmemizi sağlayan bir temel teşkil eder. Çevre korumaya yönelik faaliyetleri destekliyoruz ve özellikle çevre dostu kavramıyla örtüşecek şekilde ürünlerimizi geliştiriyoruz. Ürünlerimizde bulunan tehlikeli maddeleri en aza indiriyoruz. Örneğin, ürünlerimizde kadmiyum bulunmamaktadır.

Geri Dönüşüm Bilgisi

Bu ürün çevreye zararlı olabilecek parçalar içerebilir. Bu ürünün kullanımdan sonra geri dönüştürülmesi önemlidir. LGE, tüm atık ürünlerini çevreye duyarlı, kabul edilebilir bir geri dönüşüm sağlayacak şekilde yönetir. Şu anda dünya çapında faaliyet gösteren birkaç geri alma ve geri dönüşüm sistemi bulunmaktadır. Zararlı maddeler ve ağır metaller çevreye duyarlı bir yöntemle işlenirken birçok parça tekrar kullanılacak ve geri dönüştürülecektir. Geri dönüşüm programımız hakkında daha fazla bilgi edinmek isterseniz, yerel LG satıcınızla veya LG'nin kurumsal temsilcisine başvurun. Küresel çevre meselesini kurumsal gelişimimizin bir parçası kabul ederek vizyonumuzu ve politikalarımızı daha temiz bir dünya üzerinde kurmaktayız. 'Yeşil' politikalarımız hakkında daha fazla bilgi için lütfen web sitemizi ziyaret edin. <http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

업무용 방송통신기자재

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

VCCI (for Japan)

この装置は、クラスA 機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI - A

警告使用者 (for Taiwan)

此為甲類資訊技術設備・於居住環境中使用時・可能會造成射頻擾動・在此種情況下・使用者會被要求採取某些適當的對策。

警告(for Taiwan)

使用過度恐傷害視力。
如果更換不正確之電池型式會有爆炸的風險請依製造商說明書處理用過之電池。(僅限有內建電池的機種)

注意事項 (for Taiwan)

使用30分鐘請休息10分鐘。
未滿2歲幼兒不看螢幕, 2歲以上每天看螢幕不要超過1小時。

警告 (for China)

此为A级产品。在生活环境中, 该产品可能会造成无线电干扰。在这种情况下, 可能需要用户对干扰采取切实可行的措施。

NOM MARK (Mexico only) (MARCA NOM (Solo para México))



CU Conformity Notice (Eurasian Customs Union only)



UKRAINE only



Продукти без
радіочастотних модулів.



Продукти з радіочастотними
модулями.

Обмеження України на наявність небезпечних речовин

Устаткування відповідає вимогам технічного регламенту щодо обмеженого використання небезпечних речовин в електричному і електронному обладнанні.

Ukraine Restriction of Hazardous Substances

The equipment complies with requirements of the Technical Regulation, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

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GREEN MARK (for Japan)



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Webサイト : <http://www.lg.com/jp/eco/j-moss>