Nikon

DS Camera Control Unit

DS-L3

Update Operation Procedure Manual

Introduction

Thank you for purchasing a Nikon product.

This procedure manual is intended for users who want to update software for Nikon DS-L3 DS Camera Control Unit.

Fully read the manual before the operation to make sure that you can update the software correctly.

・ No part of this manual may be reproduced or transmitted in any form without prior written permission from Nikon.

・ The contents of this manual are subject to change without notice.

・ Although every effort has been made to ensure the accuracy of this manual, errors or inconsistencies may remain. If you note any points that are unclear or incorrect, please contact your nearest Nikon representative.

・ If you intend to use any other equipment with this product, read the manual for that equipment too.

・ If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

■ Prerequisite knowledge

This manual assumes a basic familiarity with Windows.
If you come across unfamiliar terms or operations while reading through this manual, consult the user's manual for your version of Windows.

■ About the example screens used in the manual

This manual describes various operations in Windows XP, Windows Vista and Windows 7 by showing Windows XP screens as examples. Procedures are virtually identical for Windows XP, Windows Vista and Windows 7.
Depending on the specific operating system (hereinafter referred to as OS) type or version, the actual appearance of the screen or operations may not correspond precisely to the example screens shown at various points throughout the manual. For information on operations or screens specific to your version of Windows, refer to the user's manual.

■ Disclaimer

Nikon shall not be liable for any damages and problems on user side or on a third-party side, which may result from the use of this software.

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Configuration of the Document

The following notational system is used throughout the manual:

Chapter 3 Update

3.1   Running an Application for Update

▼ Startup of the Application

UPDATEFILES
File folder

DSL3Update
DSL3Update Application
Nikon Corporation

(3)   Double-click the
DSL3Update icon.

(3)   Double-click the DSL3Update icon to
start up the application.

> Describes the operation procedure or resulting status. [ ] indicates a character string displayed on a screen including a menu name or button name.

▼ DS-L3 Detection Status Bar

DS-L3 Update 1.0

Please wait for a while until the connection with DS-L3 establishes it.

(4)   A status bar is kept displayed while
the application is trying to detect
DS-L3.

When DS-L3 is detected, a
confirmation dialog appears.

> Typical sample screen displayed during the operation.

CAUTION

If an error message is displayed
during the detection, the PC has not
detected DS-L3 successfully. In this
case, make sure that [USB DEVICE]
has been set correctly on the setup
menu. Also, make sure that the USB
cable is connected correctly.

> Such information as notes, important matters, supplemental information and references.

▼ Confirmation Dialog

Starting

Do you get off all mediums?

Yes   No

(5)   Click the [Yes]
or [No] button.

(5)   When the confirmation dialog is
displayed, make sure that the CF
card and the USB memory that are
connected to DS-L3 have been
removed, and click the [Yes] button.
Click the [Yes] button to display the
update main screen.
Click the [No] button to exit the
application. Remove the CF card and
the USB memory and restart the
application.

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Marks

CAUTION :   Notes that you should read so that applications or a microscope system can work correctly.

SUPPLEMENT :   Information used for reference during the operation.

REFERENCE :   Describes a reference.

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Table of Contents

1 Preparation

This chapter describes hardware and software required for update, and checking available RAM.

1.1 Requirements

CAUTION

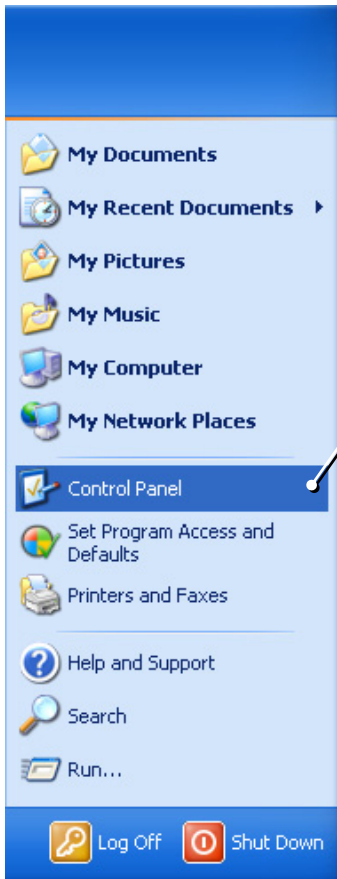- **Make sure that the memory capacity meets the requirements before running an update application.**

Item		Requirement
PC main unit	Memory	・ Windows XP: 1 GB or more ・ Windows Vista/7: 2 GB or more
	OS	・ Windows XP SP3 or later ・ Windows Vista 32 bit/64 bit ・ Windows 7 32 bit/64 bit
USB cable (type AB)		USB2.0 standard approved
DS-L3		Should be working normally.
Operation Procedure (this manual)		Have it at hand and follow the procedure during update.

SUPPLEMENT

- PC requirements for updating software and those for running the DS-L3 are not the same (see the instruction manual supplied with the DS-L3).

- If [VNDR] is selected for the [USB DEVICE] in [SETUP MENU: MAIN] on DS-L3 and an application such as NIS-Elements is being used, perform update on the PC on which the application is installed.

1.2   Checking Available RAM

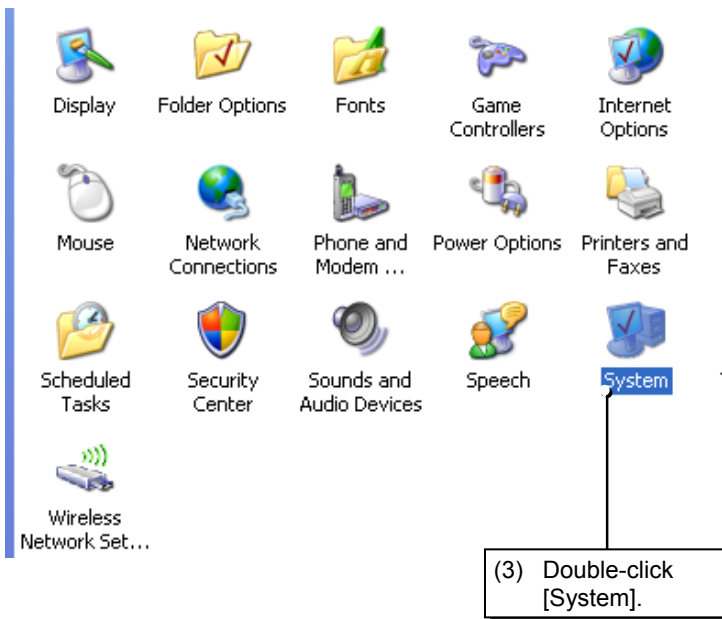Use the [System Properties] dialog box to check the amount of free RAM.

▼ Startup Menu

(2)   Click [Control Panel].

(1)   Click the [Start] button on the lower left of the PC to display the Startup Menu.

(2)   Click [Control Panel] to display the [Control Panel] window.

▼ [Control Panel] window

Display Folder Options Fonts Game Controllers Internet Options

Mouse Network Connections Phone and Modem ... Power Options Printers and Faxes

Scheduled Tasks Security Center Sounds and Audio Devices Speech System
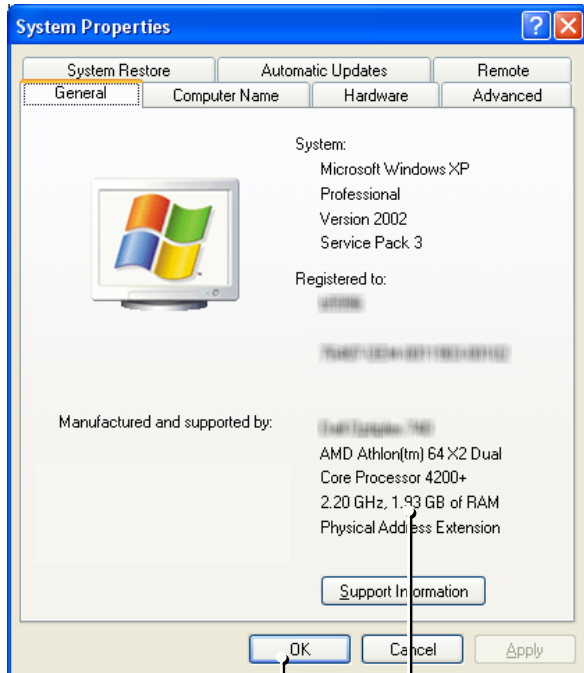
Wireless Network Set...

(3) Double-click [System].

(3) Double-click [System] in the [Control Panel] window. The [System Properties] dialog box appears.

(SUPPLEMENT)

The window on the left is shown as Classic. Click [Performance and Maintenance] to select [System] when the window is set to a category display.

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■ Windows XP

▼ [System Properties] dialog box
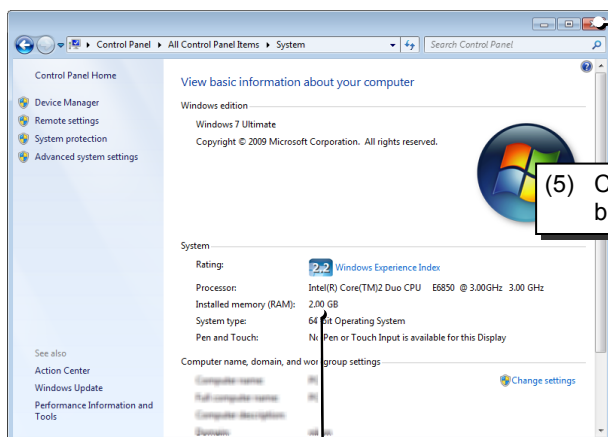

(4) Check the memory capacity here.

(5) Click the [OK] button.

(4) In the [System Properties] dialog box, check that at least 1 GB of memory is available.

(5) Click the [OK] button to close the [System Properties] dialog box.

■ Windows Vista/7

▼ [System Properties] dialog box

(5) Click the [×] button.

(4) Check the memory capacity here.

(4) In the [System Properties] dialog box, check that at least 2 GB of memory is available.

(5) Click the [×] button to close the [System Properties] dialog box.

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2 Setup

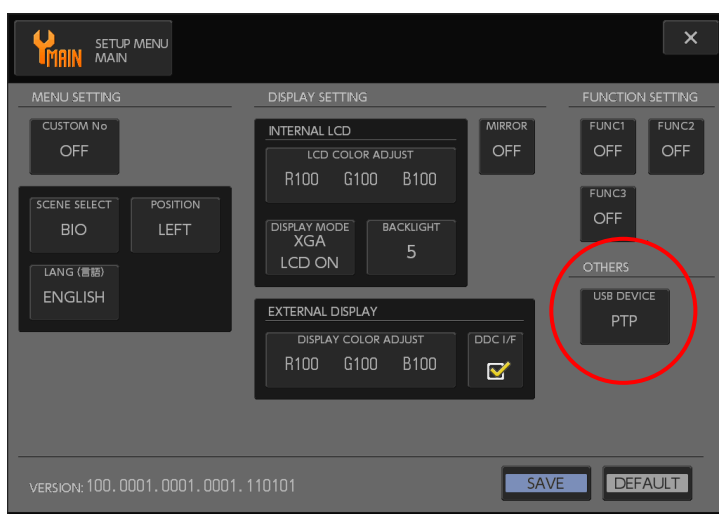This chapter describes how to set up DS-L3 prior to its update.

REFERENCE

> Consult the user manual bundled with the product for the details of DS-L3 screens.

2.1 DS-L3 Setup

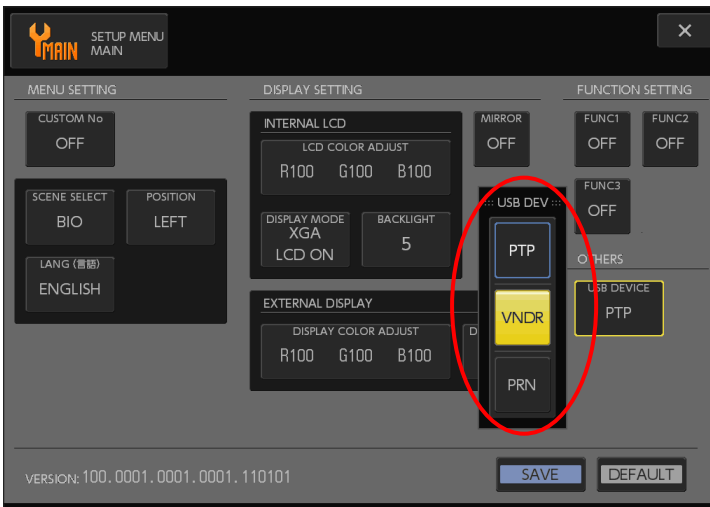In the setup menu, check the DS-L3's USB device operation mode and change it as required.

▼ **Main Screen**

(1) Display the main screen of DS-L3 [SETUP MENU].

(2) Check the button indicated on [USB DEVICE].

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▼ USB (D) Connector Operation Mode Setting

▼ Confirmation Message

Click the [OK] button.

(3) If [PRN] is selected, select [PTP] instead and then proceed to step (4) in this procedure.

If [PTP] or [VNDR] is selected, do not change the setting. Close the setup menu by clicking the X in the top right corner and then proceed to "2.2 Hardware Setup."

SUPPLEMENT

• The [PTP] setting is used when DS-L3 is connected to the PC as an external media storage device.

• The [VNDR] setting is used when DS-L3 is connected to the PC on which a dedicated application such as NIS-Elements is installed. Update DS-L3 on the PC on which the designated application is installed.
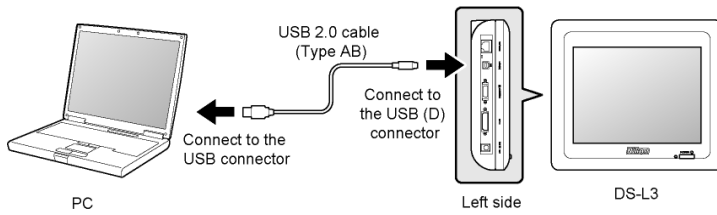
(4) Press the [SAVE] button.

A message prompting to restart DS-L3 will be displayed.

(5) Power OFF DS-L3.

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2.2   Hardware Setup

▼ Using a USB Cable to Connect the PC

USB 2.0 cable
(Type AB)

Connect to the
USB connector

Connect to
the USB (D)
connector

PC

Left side

DS-L3

(1)   Remove a CF card or USB memory
from DS-L3 if connected.

SUPPLEMENT

It may take time to start up or update
the application when a CF card or
USB memory is connected.

(2)   Connect Connector A of a USB cable
to the USB port of a PC and connect
Connector B to the USB (D) port on
the left of DS-L3.

3 Update

This chapter describes how to run the DS-L3 application.

3.1 Running an Application for Update

Follow the procedure below to update DS-L3 software.

▼ **[DS-L3] Dialog**

(1) Click the [CANCEL] button.

(1) Power ON DS-L3.

(SUPPLEMENT)

If [PTP] is set for [USB DEVICE], a program selection dialog ([DS-L3] dialog) may appear when the PC detected DS-L3 after it is powered ON.

This dialog is to be selected when controlling DS-L3 with a different application.

Click the [CANCEL] button to close the screen when the dialog is displayed.
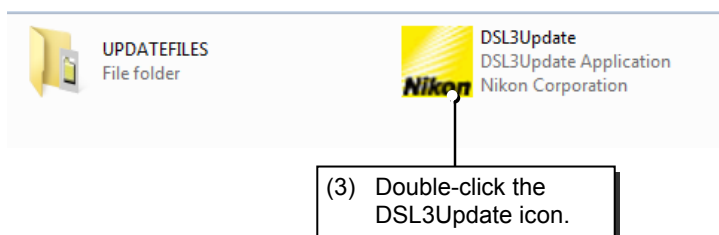
▼ **Monitor**

Task bar

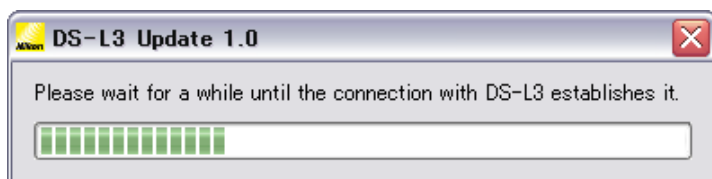**(2)** Make sure that DS-L3 has started up and that the task bar is displayed on the monitor.

▼ Startup of the Application

(3)   Double-click the
       DSL3Update icon.

(3)   Double-click the DSL3Update icon to start up the application.
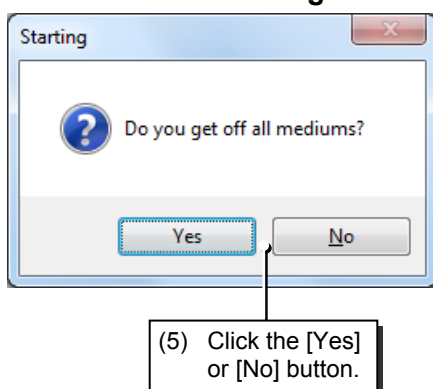
▼ DS-L3 Detection Status Bar

(4)   A status bar is kept displayed while the application is trying to detect DS-L3.

When DS-L3 is detected, a confirmation dialog appears.

CAUTION

If an error message is displayed during the detection, the PC has not detected DS-L3 successfully. In this case, make sure that [USB DEVICE] has been set correctly on the setup menu. Also, make sure that the USB cable is connected correctly.

▼ Confirmation Dialog

(5)   Click the [Yes]
       or [No] button.
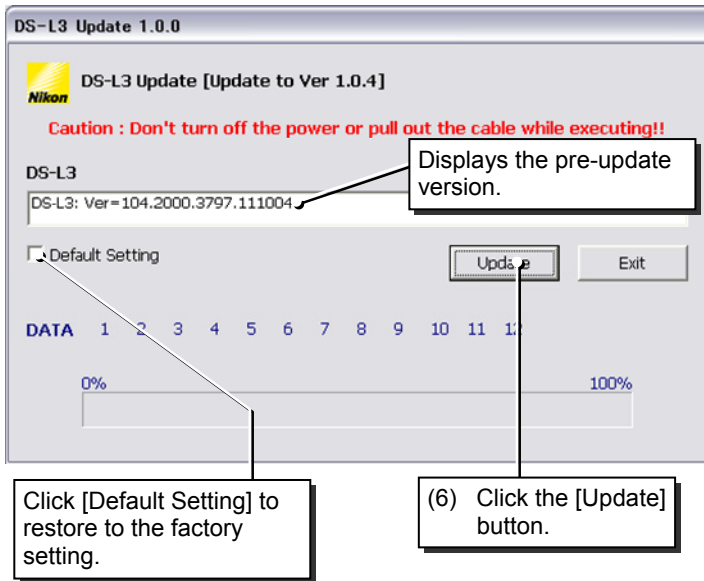
(5)   When the confirmation dialog is displayed, make sure that the CF card and the USB memory that are connected to DS-L3 have been removed, and click the [Yes] button. Click the [Yes] button to display the update main screen.
Click the [No] button to exit the application. Remove the CF card and the USB memory and restart the application.
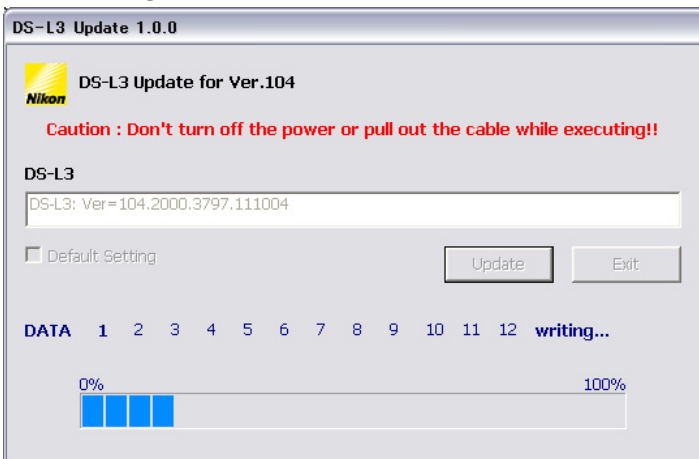
▼ Update Main Screen

DS-L3 Update 1.0.0

Nikon DS-L3 Update [Update to Ver 1.0.4]

Caution : Don't turn off the power or pull out the cable while executing!!

DS-L3

DS-L3: Ver=104.2000.3797.111004

Displays the pre-update version.

☐ Default Setting   Update   Exit

DATA   1   2   3   4   5   6   7   8   9   10   11   12

0%   100%

Click [Default Setting] to restore to the factory setting.

(6) Click the [Update] button.

▼ Running Update Screen

DS-L3 Update 1.0.0

Nikon DS-L3 Update for Ver.104

Caution : Don't turn off the power or pull out the cable while executing!!

DS-L3

DS-L3: Ver=104.2000.3797.111004

☐ Default Setting   Update   Exit

DATA   1   2   3   4   5   6   7   8   9   10   11   12   writing...

0%   100%

(6) Click the [Update] button to start the update.
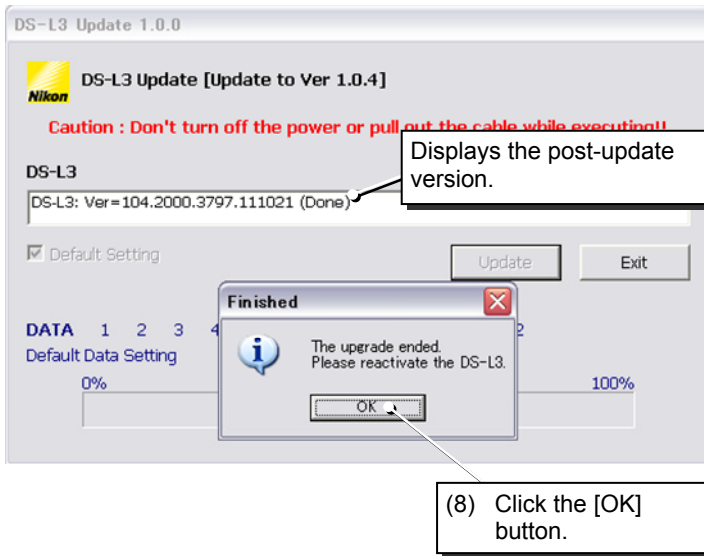
(7) A screen appears showing that the update is running.

The number of data being updated keeps blinking in bold. "downloading" or "writing" keeps blinking at the same time. The transmission and writing status bar is displayed under the data number.

CAUTION

Do not work with the following operations until the update is completed after the startup of the application. Otherwise, the product may not start up normally.

• Powering OFF DS-L3

• Removing the USB cable

• Forcibly exiting the application

• Working with PC operations

• Working with DS-L3 menu operations

▼ **Update Completion Screen**

DS-L3 Update 1.0.0

DS-L3 Update [Update to Ver 1.0.4]

Nikon

Caution : Don't turn off the power or pull out the cable while executing!!

DS-L3

DS-L3: Ver=104.2000.3797.111021 (Done)

Displays the post-update version.

☑ Default Setting   Update   Exit

Finished

The upgrade ended.
Please reactivate the DS-L3.

OK

DATA   1   2   3   4
Default Data Setting

0%   100%

(8)   Click the [OK] button.

(8)   A dialog as shown below appears when the update has been completed. Click the [OK] button to exit the application.

(9)   Power OFF DS-L3 without any operations and power it ON again.

CAUTION

If you work with DS-L3 without powering it OFF after the completion of the update, software may not work correctly.

After the update is completed, be sure to turn off DS-L3 and then restart it before working with DS-L3.

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3.2   Precautions

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Contact your nearest Nikon representative if DS-L3 does not work correctly after the update based on the procedure in this document.