

Firmware Update Procedure by HTTP Server

(FIRMWARE1/FIRMWARE2/FIRMWARE3/FIRMWARE4)

Rev.5.0

Read This Manual Before Attempting Firmware Update

This manual describes the procedure for updating firmware of monitor by using the HTTP server function. For details on the HTTP server function, the names of the components of the monitor, the Display Menu screen operations, and so on, refer to the instruction manual.

Precautions

- Do not turn off the main power to the monitor or remove the LAN cable during firmware update.
- For details on making a connection to the monitor from a computer through a network, using the HTTP server function of the monitor, read "LAN Control" in the instruction manual.
- As your Web browser, you must use "Microsoft Internet Explorer 7.0" or later.
 Since the monitor uses "JavaScript" and "Cookies", change your browser settings to enable the use of these functions. The way in which these settings are made depends on the version of the browser.
 So, refer to the browser Help and so on.
- Updating the firmware does not affect any data set in the screen menu of monitor.
- Updating the firmware has to be made by following order. FIRMWARE4 FIRMWARE2 FIRMWARE1 FIRMWARE3

Symbols

This manual uses the following symbols.

Note

Describes information that must be noted.

Тір

Provides supplementary explanations and useful information.

Preparations to Be Completed Prior to Firmware Update

1. Connect a LAN cable to the monitor.



2. Disable the power save function in the screen menu of monitor.



To update the firmware, disable the power save function in the screen menu.

3. Select the LAN POWER "ON" in the screen menu of monitor.

To update the firmware, select LAN POWER "ON" in the screen menu.



This completes the preparations required for firmware update.

Go to "Updating Firmware" (P4).

Updating Firmware

Note

Updating the firmware has to be made by following order.

FIRMWARE4 FIRMWARE2 FIRMWARE1 FIRMWARE3

1. Start the Web browser on the computer to access the home screen of the monitor.

The URL of the home screen of the monitor is "http://<IP address of the monitor>/pd_index.html".

HOME		
Welcome to the managem You can use the navigation	ent and configuration web interface. I menus on the left to access additional pages.	
MONITOR INF	ORMATION	
MODEL NAME		P403
SERIAL		
ETHERNET		
MAC ADDRESS	02:00:00:00:01	
IPv4 ADDRESS	192.168.0.10	
SUBNET MASK	255.255.255.0	
DEFAULT GATEWAY	0.0.0.0	
a and to react a second second	422.0.0.4	

2. Click "UPDATE FIRMWARE" on the menu on the left side of the screen.

NETWORK	LINEKALI		
MAIL	MAC ADDRESS	02:00:00:00:01	
MX	IPv4 ADDRESS	192.168.0.10	
	SUBNET MASK	255.255.255.0	
D LIST	DEFAULT GATEWAY	0.0.0.0	
PDATE FIRMWARE	PRIMARY DNS	127.0.0.1	
	CECCHICARY DAVE	107.0.0.0	

The UPDATE FIRMWARE screen appears.

HOME	UPDATE FIRMWA	RE	
REMOTE CONTROL			
PICTURE ADJUST	Upload a new firmware or	ROM image into flash.	
AUDIO SCHEDULE	SELECT IMAGE		参照
PIP OSD MULTI DISPLAY DISPLAY PROTECTION EXTERNAL CONTROL	UPDATE		
ADVANCED OPTION1 ADVANCED OPTION2			

3. Click the [Browse] button under "SELECT IMAGE".

HOME	UPDATE FIRMW	ARE	
REMOTE CONTROL	Upload a new firmware o	r ROM image into flash.	
AUDIO SCHEDULE PIP	SELECT IMAGE		
OSD MULTI DISPLAY DISPLAY PROTECTION EXTERNAL CONTROL ADVANCED OPTION1 ADVANCED OPTION2	UPDATE		

The firmware image file selection screen appears.

4. Select the firmware image file to be updated and then click the [Open] button.

Confirm that the selected image file is displayed under "SELECT IMAGE".

NEC P403	HDMI		
HOME	UPDATE FIRMWA	ARE	
EMOTE CONTROL	Upload a new firmware o	r ROM image into flash.	
UDIUST UDIO SCHEDULE	SELECT IMAGE	E:\FW\4thlon4 FW Update\FIRMWARE1\ND5_CDT_	
PIP DSD MULTI DISPLAY DISPLAY PROTECTION EXTERNAL CONTROL	UPDATE		

Tip

• The following table lists the initial file names of the firmware image files.

Firmware	File name ^(Note)	Extension
FIRMWARE1	NDS_CDT_A4_FIRM1_V***_H_BID******.hex	.hex
FIRMWARE2	NDS_CDT_A4_FIRM2_V***_H.BIN	.BIN
FIRMWARE3	NDS_CDT_A4_FIRM3_V***_H.hex	.hex
FIRMWARE4	NDS_CDT_A4_FIRM4_V***_H.jbc	.jbc

(Note) V***: Version number

BID******: Build ID (date of firmware creation)

- The names of the firmware image files can be changed (the name can consist of up to 1024 characters, including the extension).
- Do not change the extension of a firmware image file.

5. Click the [UPDATE] button.

NEC P403	HDMI		
HOME REMOTE CONTROL	UPDATE FIRMW/	TRE	
PICTURE ADJUST AUDIO SCHEDULE PIP	SELECT IMAGE	E:\PW\Athlon4 PW Update\FIRMWARE1\WD5_CDT_A	
OSD MULTI DISPLAY DISPLAY PROTECTION EXTERNAL CONTROL	UPDATE		

The dialog for confirming the start of update appears.

6. Click the [OK] button in the confirmation dialog.

Firmware update starts. A message appears on the screen of the monitor and the LED (in the figure below) blinks in green. Upon the completion of update, the blinking pattern of the LED changes. Go to "7. Confirm the LED blinking pattern of the monitor." (P9).



Note

Do not turn off the main power to the monitor or remove the LAN cable during firmware update.

Tip

• The following table lists the time required to update each item of firmware.

Firmware	Time required
FIRMWARE1	Approx. 4 to 5 minutes
FIRMWARE2	
FIRMWARE3	Approx. 2 minutes
FIRMWARE4	Approx. 20 seconds

• The message displayed on the screen depends on the item of firmware.

FIRMWARE1/FIRMWARE2/FIRMWARE3

During update, "Updating now..." is displayed on the screen.

NEC P403	HDMI		
HOME	UPDATE FIRMWAR	ε	
PICTURE	Upload a new firmware or R	OM image into flash.	
AUDIO	SELECT IMAGE	ELIEWSINX_INTIFIERWWARE2NDS_CDT_AL_FIRIT2_	
OSD MULTI DISPLAY DISPLAY PROTECTION	URDATE:		
EXTERNAL CONTROL ADVANCED OPTION1 ADVANCED OPTION2	Updating now		

FIRMWARE4

During update, "Image file writing." is displayed on the screen and the name of the file being used for update is displayed. Moreover, "Update Log" displays the update history.

	UPDATE FIRMW	ARE		1
U	pload a new firmware o	or ROM image into flas		
5	SELECT IMAGE	ſ	参照言	
	UPDATE			
I	mage file writing			
FI	lename : NDS_CD1_A4	_CPLD_V0303_H.jbc		
U	pdate Log	12.00-03.00		
N	o. File	Result		
1	NDS_CDT_A4_CPLD	_V0303_H.jbc Writing	ow	
2	*****	*****		
3	*****	*****		
4	****	****		
5	*****	*****		
6	****			
7	*****	*****		-
1	*****	*****		-

7. Confirm the LED blinking pattern of the monitor.

Upon the completion of update, the LED blinking pattern changes. Refer to "Confirming the Firmware Update Results" (P11).

8. Turn the main power to the monitor off and then on again.



Note

To terminate firmware update, this procedure must be performed.

Otherwise, the monitor may fail to run normally.

9. Enable the power save function in the screen menu of monitor as required.

If the power save function is disabled before firmware update is executed, return this to its original setting as required.

10. Change the LAN POWER in the screen menu of monitor as required.

If the LAN POWER is "ON" before firmware update is executed, return this to its original setting as required.

This completes the firmware update.

Confirming the Firmware Update Results

Upon the completion of update, the green-blinking LED changes to one of the following.

- Alternately blinking in green and red (update successful)
- Blinking in red (update failure)
- When the LED is blinking in green and red alternately (update successful):

While referring to "Confirming the Firmware Version" (P13), confirm that update has completed normally.

Тір

When update has been successful, the screen of the monitor displays the following.

FIRMWARE1/FIRMWARE2/FIRMWARE3

The screen displays "File written successfully". In addition, "Update Log" displays "Success" as the update history.

	UPDATE FIRMEW	ARE		1
u	pload a new firmware or	ROM image into flash.		
1	SELECT IMAGE	ſ	912 J	
1	UPDATE			
Fi Fi	ile written suc nage file uploaded succe lename : NDS_CDT_A4_1	C CESSFUlly ssfully. Turn the AC Power OFF and ON to com FIRM2_V0027_H.BIN	iplete firmware updating.	
ι	lpdate Log			
B	o. File	Result		
1	NDS_CDT_A4_FIRM2_	V0027_H.BIN Success		
1.2	*****	*****		
- 4				

FIRMWARE4

Upon the completion of update, "Update finish!" appears. However, the update result (success/failure) is not displayed. Confirm the update result from the LED indication of the monitor.

UPDATE FIRMWA	RE		2
Upload a new firmware or	ROM image into flash.		
SELECT IMAGE		参照	
UPDATE			
Update finish! Please check LED o You can check result by LE Filename : NDS_CDT_A4_C	f PD. D blink. IPLD_V0303_H.jbc		
Update Log			
No. File	Result		
1 NDS_CDT_A4_CPLD_V	0303_H.jbc Write finish		
2 *****			
3 *****	*****		

■ When the LED is blinking in red (update failure):

Repeat the procedure again from step 3 (P5) in "Updating Firmware". Moreover, refer to "If Firmware Update Fails" (P14).

Tip

If update has failed, the screen of the monitor displays the following.

FIRMWARE1/FIRMWARE2/FIRMWARE3

The screen displays "Unable to Write the file". In addition, "Update Log" displays "Failure" as the update history.

UPDATE FIRMEW	ARE		
pload a new firmware o	r ROM image into flash.		
SELECT IMAGE		*12	
UPDATE			
Contraction of the second s			
Unable to Writ Internal error while uploa Filename 1 NDS_CDT_A4_	e the file. Iding image file. FIRM2_V0027_H.BIN		
Unable to Writ Internal error while uploa Filename : NDS_CDT_A4_ Update Log No. File	e the file. Iding image file. FIRM2_V0027_H.BIN Result		
Unable to Write Internal error while uploa Filename : NDS_CDT_A4_ Update Log No. File 1 NDS_CDT_A4_FIRM2	e the file. ding image file. FIRM2_V0027_H.BIN Result _V0027_H.BIN Failure		

FIRMWARE4

Upon the completion of update, "Update finish!" appears. However, the update result (success/failure) is not displayed. Confirm the update result from the LED indication of the monitor.

UPDATE FIRMW	ARE		
Upload a new firmware	or ROM image into flash.		
SELECT IMAGE		参报	
UPDATE			
Update finish! Please check LED You can check result by Filename : NDS_CDT_A4	D of PD. LED blink. K_CPLD_V0303_H.jbc		
Update Log	12.12		
No. File 1 NDS CDT A4 CPLC	Result V0303 Hillo Write finish		
2 *****			
3	*****		

Confirming the Firmware Version

You can confirm the version of firmware from the menu (MONITOR INFORMATION) in the screen menu of monitor. Confirm that the versions of the updated firmware match those displayed in the screen menu.



If Firmware Update Fails

If firmware update fails, check the following.

■ The monitor fails to operate even if its power is turned on.

The monitor does not run when the main power is turned on after FIRMWARE1 update fails. The HTTP server function, however, can run. So, redo the FIRMWARE1 update according to the procedure described in this manual.

Updating FIRMWARE1 does not succeed repeatedly.

The order of firmware updating may possibly be incorrect. Please try updating the firmware by following order again.

FIRMWARE4 FIRMWARE2 FIRMWARE1 FIRMWARE3