

**Firmware Update Procedure  
by HTTP Server**

**Rev.1.0**

## 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 10.0" 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.
- To apply a firmware version update over the network, DISPLAY and HTTP SERVER of NETWORK SECURITY must be enabled.

### ■ Symbols

This manual uses the following symbols.

#### **Note**

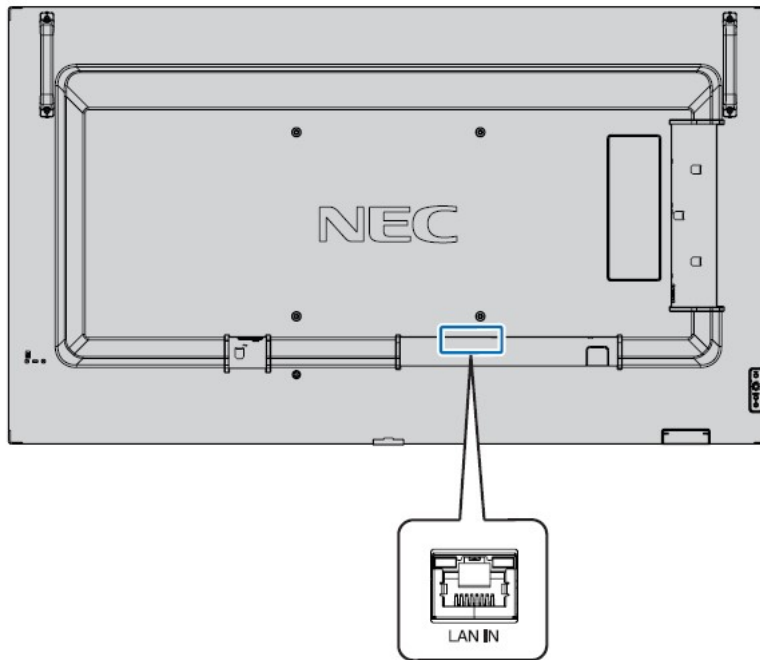
Describes information that must be noted.

#### **Tip**

Provides supplementary explanations and useful information.

## Preparations to Be Completed Prior to Firmware Update

- 1. Connect a LAN cable to the monitor.**
- 



## Updating Firmware

### 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>/index.html".

The screenshot shows the NEC monitor's web interface. On the left is a navigation menu with options like HOME, REMOTE CONTROL, PICTURE, AUDIO, SCHEDULE, MULTI INPUT, OSD, MULTI DISPLAY, DISPLAY PROTECTION, CONTROL, INPUT, ADVANCED, SYSTEM, COMPUTE MODULE, NETWORK (CONTROL), NETWORK (MEDIA PLAYER), MAIL, SNMP, AMX, CRESTRON, NAME, NETWORK PASSWORD, PD LIST, MEMO, UPDATE FIRMWARE, and SD-CARD VIEWER. The main content area has a 'HOME' header and a welcome message. Below this are three tables: 'MONITOR INFORMATION' (Model Name: P484, Serial: 66010035NA), 'FIRMWARE VERSION' (Revision: R0.035), and 'ETHERNET (CONTROL)' (MAC Address: 02:34:56:78:d3:e4, IPv4 Address: 192.168.0.9, Subnet Mask: 255.255.255.0).

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

This close-up shows the 'UPDATE FIRMWARE' button in the left navigation menu, which is highlighted with a red box. To its right is the 'ETHERNET (CONTROL)' table from the previous screenshot.

ETHERNET (CONTROL)	
MAC ADDRESS	02:34:56:78:d3:e4
IPv4 ADDRESS	192.168.0.9
SUBNET MASK	255.255.255.0

The GO TO UPDATE FIRMWARE screen appears.

The screenshot shows the 'GO TO UPDATE FIRMWARE' screen. It features a search bar with a 'SEARCH' button and a table with the following data:

NO	ID	IP ADDRESS(CONTROL)	SERIES	MONITOR NAME	FIRMWARE
1	1	192.168.0.110	A50		

### 3. Check the IP ADDRESS(Control)

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NEC

HOME  
REMOTE CONTROL  
PICTURE  
AUDIO  
SCHEDULE  
MULTI INPUT  
OSD  
MULTI DISPLAY  
NETWORK PROTECTION

**GO TO UPDATE FIRMWARE**

GO TO UPDATE FIRMWARE SEARCH

NO.	ID	IP ADDRESS(CONTROL)	SERIES	MONITOR NAME	FIRMWARE
1	1	192.168.0.110	A50		

#### Tip

- If you want to update the Firmware by daisy chain, refer to "Daisy chain Firmware update" (→ P13).

### 4. Click the [GO TO UPDATE FIRMWARE] button.

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NEC P484 MP

HOME  
REMOTE CONTROL  
PICTURE  
AUDIO  
SCHEDULE  
MULTI INPUT  
OSD  
MULTI DISPLAY  
NETWORK PROTECTION

**GO TO UPDATE FIRMWARE**

GO TO UPDATE FIRMWARE SEARCH

NO.	ID	IP ADDRESS(CONTROL)	SERIES	MONITOR NAME	FIRMWARE
1	1	192.168.0.110	A50		

## 5. Click the [OK] button

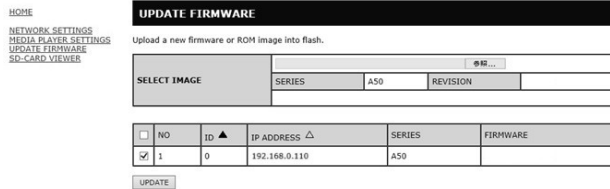
NEC



The UPDATE FIRMWARE screen appears.

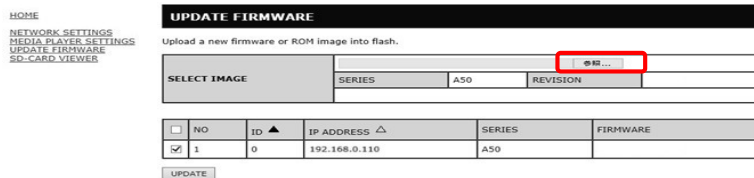
LED blinks the green.

NEC



## 6. Click the [Browse] button under "SELECT IMAGE".

NEC



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

### NEC

HOME  
NETWORK SETTINGS  
MEDIA PLAYER SETTINGS  
UPDATE FIRMWARE  
SD-CARD VIEWER

**UPDATE FIRMWARE**

Upload a new firmware or ROM image into flash.

SELECT IMAGE

SERIES  REVISION

<input type="checkbox"/>	NO	ID ▲	IP ADDRESS(MP) △	IP ADDRESS(CONTROL) △	SERIES	MONITOR NAME	FIRMWARE
<input type="checkbox"/>	1	0	192.168.0.110		A50		

UPDATE



### NEC

HOME  
NETWORK SETTINGS  
MEDIA PLAYER SETTINGS  
UPDATE FIRMWARE  
SD-CARD VIEWER

**UPDATE FIRMWARE**

Upload a new firmware or ROM image into flash.

SELECT IMAGE

SERIES  REVISION

Success

<input type="checkbox"/>	NO	ID ▲	IP ADDRESS(CONTROL)	IP ADDRESS(CONTROL) △	SERIES	MONITOR NAME	FIRMWARE
<input checked="" type="checkbox"/>	1	0	192.168.0.110		A50		

UPDATE

### Tip

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

Firmware	File name <sup>(Note)</sup>	Extension
FIRMWARE	FIRMWARE_A6H_L_R****.pac	.pac

(Note) R\*\*\*: Revision number

- 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.
- If you want to update the Firmware by daisy chain, refer to "Daisy chain Firmware update" (→ P13).

## 8. Click the [UPDATE] button.

NEC

HOME  
NETWORK SETTINGS  
MEDIA PLAYER SETTINGS  
UPDATE FIRMWARE  
SD-CARD VIEWER

**UPDATE FIRMWARE**

Upload a new firmware or ROM image into flash.

SELECT IMAGE

SERIES	A50	REVISION	R0.035
Success			

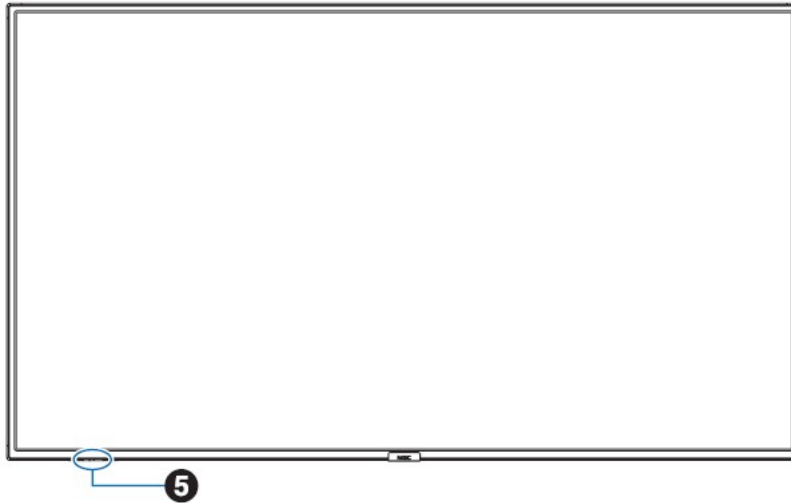
<input type="checkbox"/>	NO	ID ▲	IP ADDRESS(CONTROL)	IP ADDRESS(CONTROL) ▲	SERIES	MONITOR NAME	FIRMWARE
<input checked="" type="checkbox"/>	1	0	192.168.0.110		A50		

**UPDATE**

The dialog for confirming the start of update appears.

Firmware update starts. A message appears on the screen of the monitor and the LED (⑤ in the figure below) blinks in green. LED change to blink after about 26 sec.

After update the FW, the monitor reboots automatically.



### Note

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



**Tip**

- Time required of update is 10 minutes.
- During update, " Updating...\*\*%." is displayed on the screen.

**NEC**

HOME  
NETWORK SETTINGS  
MEDIA PLAYER SETTINGS  
UPDATE FIRMWARE  
SD-CARD VIEWER

**UPDATE FIRMWARE**

Upload a new firmware or ROM image into flash.

SELECT IMAGE	[Browse...]		
	SERIES	A50	REVISION

<input type="checkbox"/>	NO	ID ▲	IP ADDRESS ▲	SERIES	FIRMWARE
<input checked="" type="checkbox"/>	1	0	192.168.0.110	A50	Updating...70%

[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), and the monitor reboots automatically, after about 15 sec.
- Blinking in red (update failure)

### Tip

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

**NEC**

[HOME](#)

[NETWORK SETTINGS](#)  
[MEDIA PLAYER SETTINGS](#)  
[UPDATE FIRMWARE](#)  
[SD-CARD VIEWER](#)

### UPDATE FIRMWARE

Upload a new firmware or ROM image into flash.

SELECT IMAGE	参照...		
	SERIES	A50	REVISION

<input type="checkbox"/>	NO	ID ▲	IP ADDRESS △	SERIES	FIRMWARE
<input checked="" type="checkbox"/>	1	0	192.168.0.110	A50	Success(R0.035)

UPDATE

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

Repeat the procedure again from step 3 (→P3) in "Updating Firmware". Moreover, refer to "If Firmware Update Fails" (→P12).

**Tip**

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

**NEC**

HOME

NETWORK SETTINGS  
 MEDIA PLAYER SETTINGS  
 UPDATE FIRMWARE  
 SD-CARD VIEWER

UPDATE FIRMWARE					
Upload a new firmware or ROM image into flash.					
SELECT IMAGE	<input type="text"/> <input type="button" value="参照..."/>				
	SERIES	A50	REVISION	R0.035	
<input type="checkbox"/>	NO	ID ▲	IP ADDRESS △	SERIES	FIRMWARE
<input checked="" type="checkbox"/>	1	0	192.168.0.110	A50	Failure
<input type="button" value="UPDATE"/>					

## 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 FIRMWARE update fails.

If the monitor does not run, please update via USB.

## Daisy chain Firmware Update

- If you want to update the Firmware by daisy chain, click [Search] button.

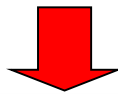
NEC P484 MP

HOME  
REMOTE CONTROL  
PICTURE  
AUDIO  
SCHEDULE  
MULTI INPUT  
OSD  
MULTI DISPLAY  
NETWORK SETTINGS

**GO TO UPDATE FIRMWARE**

GO TO UPDATE FIRMWARE SEARCH

NO	ID	IP ADDRESS(MP)	SERIES	MONITOR NAME	FIRMWARE
1	1	192.168.0.110	A50		



HOME  
REMOTE CONTROL  
INPUT  
PICTURE  
AUDIO  
SCHEDULE  
MULTI INPUT  
OSD  
MULTI DISPLAY  
DISPLAY PROTECTION  
CONTROL  
OPTION  
SYSTEM

**GO TO UPDATE FIRMWARE**

GO TO UPDATE FIRMWARE Detected Monitors 4 | SEARCH

NO	ID	IP ADDRESS(CONTROL)	IP ADDRESS(CONTROL)	SERIES	MONITOR NAME	FIRMWARE
1	2	192.168.0.102	192.168.0.2	A50	P484	R1.001
2	4	192.168.0.104	192.168.0.4	A50	V554	R0.063
3	3	192.168.0.103	192.168.0.3	A50	V554	
4	5	192.168.0.105	192.168.0.5	A50	P484	

- If you want to change the target monitor, change the check box.

HOME  
NETWORK SETTINGS  
MEDIA PLAYER SETTINGS  
UPDATE FIRMWARE  
SD-CARD VIEWER

**UPDATE FIRMWARE**

Upload a new firmware or ROM image into flash.

SELECT IMAGE C:\Users\User\Desktop\athion8 FW\MS\_CDT\_AS\_f 更新...

SERIES	A50	REVISION	R1.001
Success			

<input type="checkbox"/>	NO	ID ▲	IP ADDRESS(CONTROL)	IP ADDRESS(CONTROL) △	SERIES	MONITOR NAME	FIRMWARE
<input checked="" type="checkbox"/>	2		192.168.0.102	192.168.0.2	A50	P484	R1.001
<input checked="" type="checkbox"/>	3		192.168.0.103	192.168.0.3	A50	V554	
<input checked="" type="checkbox"/>	4		192.168.0.104	192.168.0.4	A50	V554	R0.063
<input checked="" type="checkbox"/>	5		192.168.0.105	192.168.0.5	A50	P484	