

Display



WORLDWIDE TECHNICAL BULLETINS FOR BROADCAST AND PROFESSIONAL PRODUCTS

Video Products Technical Bulletin 30-2008-180

DATE: September 29, 2008

SUBJECT: FIRMWARE UPGRADE-VERSION 4.59

MODEL: BKM-FW50/1 BKM-FW50/2 BKM-FW50/3 BKM-FW50/4 BKM-FW50/5 BKM-FW50/6 BKM-FW50/K

SERIAL NO: ALL

DESCRIPTION

Firmware version 4.59 is available.

PARTS REQUIRED

Part No.	Description	Qty.
FW50V459	BKM-FW50 Firmware V4.59	1

ORDERING INFORMATION

To order upgrades, contact:

Sony SoftwarePLUS[®] 8281 NW 107th Terrace Kansas City, MO 64153 Call: (800) 538-7550 Fax: (816) 880-6854 Web: <u>http://www.sony.com/softwareplus</u>

Customers outside the United States: *Please order parts from your usual supplier.*

PROGRAM IMPROVEMENTS

- Transfer of large-sized files or data is improved in WAN environments by increasing the maximum segment size (MSS) from 522 bytes to 1460 bytes.
- AUTO Adjust now operates while the picture is loading.

DPMO08-027R2

UPGRADE PROCEDURE

System Requirements

- PC with LAN connection
- Compatible monitor
- Firmware update program (included with firmware)

NOTE: Perform the Streaming update before the Network update.

Preparation

1. Copy firmware and updater files to the PC:

- Firmware updater.exe
- vxWorks_Ver4.59.rom (streaming application file)
- image_debug_fw50_v400.rom (network application file)
- updater_fw50_v400.rom (network updater file)
- bootloader_fw50_v309.rom (network application file)

NOTE: If your unit has the same version or higher for the last three files listed above, those files are not needed.

- 2. Set the Windows Firewall to Off (if installed) as follows:
 - a. On the PC, click Start > Settings > Control Panel > Windows Firewall.
 - b. Click the Off radio button.
- 3. Connect BKM-FW50 to option slot 1 of the monitor. (See Figure 1.)



Figure 1

4. Make note of the IP address. (See Figure 2.)

NOTE: Refer to the *BKM-FW50 Operating Instructions* for details on how to set or confirm the IP address.

A) (B)	nformation 5	
00000000	Model Name: Serial Number: Operation Time: Software Version: IP Address:	FWD-42PV1 6302054 00229H 1.30 43.2.48.161
2	Select: (+ + + +) Set:	(ENTER) / Exit: PENU

Figure 2

5. In the Address bar of Internet Explorer, type the applicable IP address, and press ENTER.

http://xx.x.xx.xxx

If successful, the screen in Figure 3 appears.

		FWD	serie
Information Co	ontigure Control	Player	Setup
INFORMATION	Click this button to show display. You can check th other information for the	the present stat re network setting display.	us of the gs and
ONFIGURATION	Click this button to confi	gure the display.	
CONTROL	Click this button to contr	ol the display.	
PLAYER	Click this button to show	player page.	
SETUP	Click this button to set u A password is required if an set.	p the network fur administrator pass	nctions. word is

B-DPMO08-027R2-0.FM

6. Enter the following user name and password using lowercase letters, and click OK. (See Figure 4.)

User name: service Password: fwd_series



Figure 4

7. Click Update. (See Figure 5.)



Figure 5

Streaming Update

1. In the Update Module field, select Streaming Controller, then click Apply. (See Figure 6.)



Figure 6

The application enters Flash Write Mode. (See Figure 7.)



Figure 7

2. Double-click the "Firmware updater.exe" file.

3. Enter the IP address, and click Search. (See Figure 8.)



Figure 8

The Information Display Search window appears. (See Figure 9.)

	Information Display Search
	Please specify the information display which updates a OK Cancel
Fir	Model Name Serial No. Location IP Address
Copyrig	Refresh

Figure 9

4. After a few minutes, the Model Name, Serial No., and IP Address are entered automatically.

Click OK. (See Figure 10.)

	Information Display Search
	Please specify the information display which updates a OK firmware.
Fir Up	Model Name Serial No. Location IP Address
	V rWD-42FV1 6302004 43248.187
	Bafrach

Figure 10

5. When the Information Display data are filled in, click Next. (See Figure 11.)

	updates a firmware.
	43 2 48 187 Search
Firmware Updater v1.0	Information Display
	Model Name: FWD-42P71 Serial No: 6302054 Location: IP Address: 432.48.187
	Network Firmware

Figure 11

NOTE: If the network connection is bad and you cannot get to the Firmware Updater window as shown in Figure 11, perform the following steps:

- a. Under the "Preparation" heading, repeat steps 4 through 5, and click Information as shown in Figure 12.
- b. Write down the network address for IP Address (Controller) and IP Address (Player).

-		F	WDse	eries
Information Configure	Control Player	Setup	Update	Reboot
	Location	34G2F	E3	
STATUS	Power	ON		
	Input	Option	1 RGB	
	Picture Mode	User1		
	Aspect	Full		
	Closed Caption	CC3		
	PAP	OFF		
	Muting	OFF		
	Operation	251H		
	Contents Player	Idle		
NETWORK	IP Address Setup	Auto ((DHCP)	
	IP Address(Control	ler) 43.2.9	.174	
	IP Address(Player)	43.2.9	.179	
	Subnet Mask	255.25	5.255.0	
	Default Gateway	43.2.9	.239	
	Primary DNS	43.15.	126.4	
	Secondary DNS	43.7.1	24.253	and the second second

Figure 12

- c. Repeat steps 6 through 7 under the "Preparation" heading, and step 1 under the "Streaming Update" heading on page 5.
- d. Input the IP address for the IP Address (Player) noted in step b above. (See Figure 13.)

NOTE: Make sure to use the IP Address (Player) for the Streaming update (and IP Address (Controller) for the Network update).

e. Click Next, then proceed to step 6 on page 9.

	updates a tirmware.
•	43 2 9 148 Search
Firmware	
Updater	
	-Information Display Model Name:
	Serial No.
	IP Address:
	- Network Firmware
Denvision 2000 Consul Consul	Version:

Figure 13

6. In the Firmware field, select NETWORK, and click Browse. (See Figure 14.)

Firmware NETWORK
File: Browse
Information Display
Serial No: 0
Location
IP Address: 43.14.202.63
Network Firmware

Figure 14

7. Select Streaming and "vxWorks_Ver4.59.rom," and click Open. (See Figure 15.)

ァイルを開く					?
ファイルの場所の:	Streaming	•	\$	•	
vxWorks_ver	r4.59.rom				
ファイル名(N):	vxWorks_ver4.59.rom		-0	Оре	en

Figure 15

8. The required firmware is added to the File field. Click Next. (See Figure 16.)

	Please choose the target and file of a firmware to update.
	Firmware: NETWORK
	File: C:¥Documents and Settings¥00070481 Browse
Firmware	
Updater	
¥7.7	-Information Display
	Model Name: NOTAVAILABLE
	Serial No: 0
	Location:
	IP Address: 43.14.202.63
	Network Firmware
Copyright 2003 Sony Corp.	Version: 3.4

Figure 16

9. Click Update. (See Figure 17.)

	Update the firmware of the NETWORK control CPU. Please push an 'Update' button in order to start update. Update
Firmware Updater	Update Information File: C:¥Documents and Settings¥0007048115¥デスクトップ ¥FW50_フランス郵便局
	Information Display Model Name: NOTAVAILABLE Serial No: 0 Location: IP Address: 43.14.202.63
Copyright 2003 Sony Corp.	Network Firmware Version: 3.4

Figure 17

10. The following screen appears during the update. (See Figure 18.)

NOTE: Do not click anywhere during the update.

	Updating the firmware of the NETWORK control CPU.
	Transfer:
	Rewriting
	Please do not perform the end of this software and the power supply OFF of a information display during update
Firmware Updater	Update Information File: C:¥Documents and Settings¥0007048115¥デスクトップ ¥FW50_フランス郵便局
	Information Display
	Model Name: NOTAVAILABLE
	Location:
	IP Address: 43.14.202.63
	Network Firmware
Copyright 2003 Sony Corp.	Version: 3.4

Figure 18

11. When the Restart button appears on the screen, click Restart, then click Finish. (See Figure 19.)

	Please push an 'Restart' button in order to restart information display
Firmware Updater	Update Information File: C:¥Documents and Settings¥0007048115¥デスクトップ ¥FW50_フランス郵便局
11.1	Information Display Model Name: NOTAVAILABLE Serial No.: 0 Location:
	IP Address: 43.14.202.03
	Version: 3,4

Figure 19

12. Close the Internet Explorer Browser.

Network Update

NOTE: If your unit has the following versions or higher, the network update is not necessary.

image_debug V4.00 updater V4.00 bootloader V3.09

- 1. Perform all the steps under "Preparation" starting on page 2 of this bulletin.
- 2. In the Update Module field, select Network Management, then click Update. (See Figure 20.)

Service			
		FWD series	
Information _ Conti	gure Control Player Setu	P Updale Rebool	
It shifts to th	e Flash Write mode which updates each t	firmware via a network.	
	Update Module		
	Streaming Controller		
	Information		
ROM Ver.	Network Management	3.08/3.08/3.09	
	Masilari Maia)	1.050	

Figure 20

- 3. Under "Streaming Update" starting on page 5, perform steps 2 through 6.
- 4. Select "image_debug_fw50_v400.rom," and click Open. (See Figure 21.)

ファイルの場所型: 📄 Network 🗾 🗢 🗈 📸 🖽	+
Bootloader fw50 v309rom	
updater_twoU_v4UU.rom	
7m/ 小名(N): limage debug fw50 v400 rom	Jnen
ファイル名(N): image_debug_fw50_v400.rom	Jpen

Figure 21

- 5. Under "Streaming Update" on page 5, perform steps 8 through 12.
- 6. Under "Network Update" on page 12, perform steps 1 through 3 again.
- 7. Select "updater_fw50_v400.rom," and click Open. (See Figure 22.)

A BELSEVICE.	and the second			?
ファイルの場所①:	Network	•	🗢 🗈 💣	•
🗟 bootloader_fw5	50_v309.rom			
📰 image debug fr				
Chundatan (u.E0	WOU V4UU.rom			
updater_fw50_v	v400.rom			
wupdater_fw50_v	v400.rom			
updater_fw50_v	v400.rom			
updater_fw50_v	v400.rom			Open
Tupdater_fw50_v ファイル名(N):	v400.rom			Open



- 8. Under "Streaming Update" on page 5, perform steps 8 through 12 again.
- 9. If the bootloader V3.09 needs to be installed, install as follows; otherwise, skip to the confirmation.
 - a. Under "Streaming Update" on page 5, perform steps 8 through 12.
 - b. Under "Network Update" on page 12, perform steps 1 through 3 again.
 - c. Select "bootloader_fw50_v309.rom," and click Open. (See Figure 23.)

7イルを開く	and the second	
ファイルの場所①:	C Network	• 🖬 🎦 🗢 🔽
bootloader_fw	50_v309.rom	
updater_fw50_	fw5U_v4UU.rom _v400.rom	
image_debug_t	fw6U_v4UU.rom _v400.rom	
image_debug_1 updater_fw50_1	fwbU_v4UU.rom v400.rom	
國 inflage_debug_ 國 updater_fw50_f	fw6U_v4UU.rom v400.rom	
	w60_v400.rom v400.rom bootloader_fw50_v309.rom	Open

Figure 23

- d. Under "Streaming Update" on page 5, perform steps 8 through 12.
- e. Close the Internet browser on your PC.

CONFIRMATION

Confirm that the ROM versions are as follows. (See Figure 24.)

Network Management 4.00/4.01/3.09

Streaming Controller 4.59/x.xx

ntormation Configure	Control Player	Master/Slave	Setup	Update	Reboot
It shifts to the l	Flash Write mode which	n updates ear	ch firmwar	e via a netwo	ork.
	Mode shift takes	dozens seco	nds.		
	Update Module	twork Manager	nent 💌		
		10			
	A;	aply			
	Inform	mation —			
ROM Ver.	Network Mana	gement	4.00/4	4.01/3.09	
	(Application/L	Ipdater/Boot	1 050		
	Streaming Con	troller	4.59	1.10	
	(Application/B	loot)	\smile		
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