

Display



WORLDWIDE TECHNICAL BULLETINS FOR BROADCAST AND PROFESSIONAL PRODUCTS

Video Products Technical Bulletin 30-2008-109

DATE: July 28, 2008

SUBJECT: FIRMWARE UPGRADE-VERSION 4.06

MODEL: BKM-FW50 BKM-FW50/1 BKM-FW50/2 BKM-FW50/3 BKM-FW50/4

SERIAL NO: ALL

DESCRIPTION

Firmware version 4.06 is available. The firmware includes Network firmware V4.00.

PARTS REQUIRED

Part No.	Description	Qty.
FW50V406	BKM-FW50 Firmware V4.06	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: http://www.sony.com/softwareplus

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

PROGRAM IMPROVEMENTS

V4.06

- When power is ON, the unit can now play while the "Loading screen" is displayed.
- The unit can now be powered ON when reaching the time on the Time Table.

V3.04

• ID talk is optimized.

V3.00

- The following models are supported:
 - FWD-32LX2 Series FWD-40LX2 Series KLH-W26 KLH-W32
- The following functions are added:

List Play Time Table

DPMO07-038R, DPMO07-002, DPMO06-051R

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 the firmware and updater files to the PC.
- 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.

	Information	
10000	Model Name: Serial Number: Operation Time: Software Version: IP Address:	FWD-42PV1 6302054 00229H 1.30 43.2.48.161
D	Select: (+)+)+) Set:	

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	Cor	hgure.	Control	Player	Setup
INFORMAT	TION	Click this display. \ other info	button to show You can check the	v the present sta he network settin e display.	tus of the igs and
CONFIGURAT	TION	Click this	button to conf	gure the display.	
CONT	TROL	Click this	button to cont	rol the display.	
PLA	AYER	Click this	button to show	r player page.	
st	ETUP	Click this A passwor set.	button to set und is required if an	p the network fu administrator pas	inctions. sword is

Figure 3

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	
	Information Display Model Name: FWD-42PV1 Serial No: 6302054 Location: IP Address: 43248182
Constrict 2003 Sone Corp.	Network Firmware Version

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 data for IP Address (Controller) and IP Address (Player).

		F	WD se	eries
Information Configure	Control Player	Setup	Update	Reboot
	Location	34G2F	E3	1 1
STATUS	Power	ON		
	Input	Option	1 RGB	
	Picture Mode	User1		
	Aspect	Full		
	Closed Caption	CC3		
	PAP	OFF		
	Muting	OFF		
	Operation	251H		
in the second se	Contents Player	Idle		
NETWORK	IP Address Setup	Auto (E	DHCP)	
A Design of the local data and the	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	4271	24.252	the second s

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 data for the IP Address (Player) noted in step b above. (See Figure 13.)

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

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

	updates a fillinimale.
	43 2 9 148 Search
Firmware Updater	
v1.1	-Information Display
	Model Name:
	Serial No.: Location:
	IP Address:
	- Network Firmware
	Manufactor

Figure 13

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

	Firmwark NETWORK
	File: Browse
Firmware	
updater v1.1	
	Information Display
	Model Name: NOTAVAILABLE Serial No: 0
	Janatian Volume
	Location
	IP Address: 43.14.202.63
	IP Address: 43.14.202.63

Figure 14

7. Select Streaming and "vxWorks_ver4.06.rom," and click Open. (See Figure 15.)

ァイルを開く					?
ファイルの場所の:	Streaming	•	\$ •	-	
vxWorks_ver	r4.06.rom				
ファイル名(11):	vxWorks_ver4.06.rom			Оре	n

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	
v1.1	-Information Display
	Model Name: NOTAVAILABLE
	Serial No.: 0
	Location:
	IP Address: 43.14.202.63
	Matural, Elimina
	- 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
¥1.1	Information Display
	Model Name: NOTAVAILABLE
	Serial No.: U
	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
	Information Display
	Model Name: NUTAVAILABLE Serial No: 0
	Location:
	IP Address: 43.14.202.63
	Network Firmware
Copyright 2003 Sony Corp.	Version: 3.4

Figure 19

12. Close the Internet Explorer Browser.

Network Update

- 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.)



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.)

ァイルを開く		
ファイルの場所①:	C Network	• 🖬 📩 🖬 •
bootloader fw5	50 v309.rom	
	w50 v/00 rom	
image_debug_f	**30_V400.1011	
updater_fwou_v	7400.rom	
updater_two0_t	7400.rom	
image_debug_f	7400.rom	
image_debug f	v4UU.rom	
■image_debug f ■updater_tw60_ ファイル名(N):	image_debug_fw50_v400.rom	Open

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.)

•
pen

Figure 22

- 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.)

アイルを開く	the second second second second	
ファイルの場所の:	Detwork	
bootloader_fw5	50_v309.rom	
image debug t	the state of the state of the state state state	
indec_debdg_r	100_V400.rom	
updater_fw50_	wou_v400.rom _v400.rom	
ininge_debug_ updater_fw50_	10/50_v400.rom _v400.rom	
in updater_fw50_	v400.rom	
m inse_dedd_] m updater_fw50_	v400.rom	Open
m mage_debug_ m updater_fw50_	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 2.03/x.xx/x.xx

Streaming Controller 2.00/x.xx

It shifts to the Flash Write mode which updates each firmware via a network Mode shift takes dozens seconds. Update Module Network Management Apply Information ROM Ver. Network Management (Application/Updater/Boot) Monitor(Main) Streaming Controller (Application/Boot)	
Mode shift takes dozens seconds. Update Module Apply Information ROM Ver. Network Management (Application/Updater/Boot) Monitor(Main) Streaming Controller (Application/Boot)	k.
Update Module Network Management Apply Information ROM Ver. Network Management (Application/Updater/Boot) Monitor(Main) Streaming Controller (Application/Boot) 1.050 4.06/10	
Apply Information ROM Ver. Network Management (Application/Updater/Boot) Monitor(Main) Streaming Controller (Application/Boot) 1.050 4.06/110	
ROM Ver. Network Management (Application/Updater/Boot) Monitor(Main) Streaming Controller (Application/Boot)	
ROM Ver. Network Management (Application/Updater/Boot) Monitor(Main) Streaming Controller (Application/Boot)	
ROM Ver. Network Management (Application/Updater/Boot) Monitor(Main) 1.050 Streaming Controller (Application/Boot)	
(Application/Updater/Boot) Monitor(Main) 1.050 Streaming Controller 4.06/110 (Application/Boot)	
Streaming Controller (Application/Boot)	
SO	