



Router

Broadcast Products Technical Bulletin 20-2011-162

DATE: **December 12, 2011**SUBJECT: **SOFTWARE UPGRADE—MAIN APPLICATION
VERSION 1.21**MODEL: **HKSP-R80
HKSP-R81**SERIAL NO: **ALL****DESCRIPTION**

Main software version 1.21 is released to support the new S-BUS control board (IF-1160, A-1802-656-A).

NOTE:

- The former S-BUS control board (IF-844, A-8328-551-A) is no longer available.
- V1.21 software enables upgrade of the S-BUS when the former IF-844 board is replaced with the new IF-1160 board; the S-BUS of the IF-1160 board cannot be upgraded with previous versions of Main software.
- V1.21 software does not include any new features or program improvements.

SOFTWARE REQUIRED

Part No.	Description	Qty.
CHKR8S/07	HKSP-R80/R81 Main Software V1.21	1

ORDERING INFORMATION

To order upgrades, contact:

Sony SoftwarePLUS®
(800) 538-7550

www.sony.com/softwareplus

NOTE:

- The software is available by download only from the SoftwarePLUS website above.
- If you require assistance with this software upgrade, contact your Sony regional service center. Refer to the following document, which lists all contact telephone numbers:

Technical Bulletin 00-1999-000

HDVM11-036R, RTRM11-020, SVRM11-047

UPGRADE PROCEDURE

NOTE:

- Main software must be V1.01 or higher. If V1.00 is installed, upgrade Main to V1.01 first as described in technical bulletin 20-2007-209.
 - S-BUS software must be V2.09 or higher. If V2.08 or earlier is installed, upgrade S-BUS to V2.09 first as described in technical bulletin 20-2007-212.
S-BUS V2.10 is used on lead-free IF-844 boards only, while S-BUS V2.09 and earlier is used on leaded IF-844 boards. The versions have the same functionality, but are not compatible. Refer to technical bulletin 20-2008-006.
 - Boot software must be V1.03 or higher. If a version earlier than 1.03 is installed, upgrade Boot to V1.03 first as described in technical bulletin 20-2007-223.
 - When using HKSP-R80 with backup operations, upgrade both CPU-355 boards.
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Prepare Software, Backups, and System Connection

1. Download the following software file from the SoftwarePlus website listed above:
r80a121x2.hex
2. Using BZR-20 software supplied with HKSP-R80, back up setup data.

NOTE:

- For detailed instructions, refer to the *HKSP-R80 Installation Manual*, section 9, "Backup of Setup Data."
 - Refer to technical bulletin 20-2007-215, "Precaution when installing or uninstalling HKSP-R80, BZR-IF810, BZR-IF820, or BZR-IF830."
3. Upgrade software by connecting the system via either the RS-232C port (REMOTE3) or the S-BUS of another panel (Ethernet) as described in the following sections.
RS-232C: See "To Connect via RS-232C" on page 2.
Ethernet: See "To Connect via Ethernet" on page 3.

To Connect via RS-232C

1. Make sure system operation is shut down.
2. Physically disconnect your system from the operation network.
3. Set rotary switch S804 on the CPU-355 board to **E**.
4. Connect an RS-232C cross-cable between the REMOTE3 (RS-232C) connector and PC.
5. Start terminal software on the PC, and set as follows:
Baud rate: 38400 bps
Data bits: 8
Parity: None
Stop bit: 1
Flow control: None

6. Reset the CPU-355 board, or turn main power OFF and ON.
7. Confirm that the following menu is displayed on the terminal. (Some items may differ.)

IP ADRS M	=	192.168.0.135
IP ADRS B	=	192.168.0.138
GROUP ID	=	129
TERM PORT	=	1001
LOG PORT	=	8001
DEF GWAY	=	192.168.0.254
SNET MASK	=	255.255.255.0
OPT IP	=	192.168.0.136
OPT1 PORT	=	8002
OPT2 PORT	=	8003
OPT3 PORT	=	8004
TERM T OUT	=	10
SNMP TRAP1	=	192.168.0.1
SNMP TRAP2	=	192.168.0.2
GMT (+)	=	09
Contact	=	
Name	=	
Location	=	
UNIQUE No	=	

8. Set network connections as shown above.
9. Set rotary switch S804 on the CPU-355 board to **0**.
10. Reset the system, or turn main power OFF and ON.

To Connect via Ethernet

1. Connect the system to another network that is physically separate from the operation network.
2. Set the three higher segments of the IP address on the PC to 192.168.0.
3. Set DIP switch S802-4 on the CPU-355 board to ON.
4. Set rotary switch S804 on the CPU-355 board to **F**.
5. Reset the system, or turn main power OFF and ON.
6. Confirm that PG and E.E0 appear alternately on the front display of the unit.
7. Start terminal software on the PC and establish a link between the PC and unit.
Target IP address: 192.168.0.135
TCP/IP PORT: 1001
8. Confirm that a link is established and that Download wait... appears on the terminal.

Upgrade Main Program

1. Send Main program data from PC terminal software to the unit. (This takes approximately one minute.)

r80a121x2.hex

The data are automatically written in Flash ROM on the CPU-355 board. (This takes approximately one minute.)

After data are written in Flash ROM, the CPU-355 board is reset automatically.

2. Terminate terminal software on the PC.

NOTE: If the unit cannot be connected to the PC in a network even though the IP address is set correctly, perform the following operation:

1. Open the command (DOS) prompt on the PC.
2. At the prompt, type the following command:

```
c:\>arp -d 192.168.0.135 (ENTER)
```

Confirm Version

1. Connect the REMOTE3 connector (RS-232C) of the unit to the PC.
2. Set DIP switches S803-2 and S803-3 on the CPU-355 board to ON.
3. Set rotary switch S804 on the CPU-355 board to **0**.
4. Reset the CPU-355 board or turn main power OFF and ON.
5. Start terminal software on the PC.
6. Call the secondary station menu V:DISPLAY UNIT STATUS from the terminal menu.

NOTE: Refer to the system setup manual, section 2-3 "Display Screens, and Moving between the Display Screens" and section 2-5, "Setting Items of the Secondary Station."

7. Confirm that versions are as follows:

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SYS      V1.21
BOOT     V1.03
S-BUSA   V5.10 (or higher)
S-BUSB   V5.10 (or higher)
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NOTE: When the IF-1160 board is used, both S-BUSA and S-BUSB are upgraded to V5.10.

Restore Original Settings

1. Restore all switch settings on the CPU-355 board to their original settings.
2. Set rotary switch S804 on the CPU-355 board to **D**.
3. Reset the CPU-355 board or turn power OFF and ON.
4. Set rotary switch S804 on the CPU-355 board to **0**.
5. Reset the CPU-355 board or turn main power OFF and ON.

6. Download the setup data that was backed up using BZR-20.
NOTE: For detailed instructions, refer to the *HKSP-R80 Installation Manual*, section 9-4, "Downloading the Data."
7. If your system operates in a network environment, perform network settings as described under "SETTINGS FOR NETWORK CONNECTION" on page 5 of this bulletin.
8. Reconnect the unit to the system.

SETTINGS FOR NETWORK CONNECTION

NOTE:

- Refer to the installation manual, section 4, "Setting Network Connection (IP Address)."
 - For systems that do not use BZR-IF830, all new setup items must be set to factory defaults. When connecting HKSP-R80 to a network, set the IP address to an address other than the factory default (192.168.0.135).
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1. Connect the terminal to REMOTE3.
2. Set rotary switch S804 on the CPU-355 board to **E**.
3. Reset the CPU-355 board or turn power OFF and ON.
4. Set items as required.