# SONY. ROUTING SWITCHER SYSTEM SETUP SOFTWARE BZR-2000

USER'S GUIDE English 1st Edition (Revised 5)

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# Chapter

## Overview

## 1-1 About this User's Guide

In this User's Guide, how to use the BZR-2000 software for setup, management and maintenance of the Sony Routing Switcher System is described.

For the terminology and system configuration of the Routing Switcher System, refer to other manuals that suit your purposes best. Use of the INSTALLATION MANUAL FOR SYSTEM SETUP is especially recommended.

For the settings on the S-BUS devices, refer to the operation manuals supplied with each device.

## 1-2 About BZR-2000



BZR-2000 is a setup program for the Sony Routing Switcher System. With graphical indications, various settings necessary for operation of the system can be easily performed through user-friendly operations using a mouse. BZR-2000 can be used with an IBM PC/AT-compatible computer on which Microsoft Windows95, Windows98, WindowsNT4.0, Windows2000 or WindowsXP is installed.

#### Software

**OS (Operating System):**Windows95, Windows98, WindowsNT4.0, Windows2000 or WindowsXP

A WWW browser is required to see On-Line Help. Use of Internet Explorer4.0 or higher, or Netscape Communicator/Nagivator4.0 or higher is recommended.

#### Hardware

**CPU:** Intel Pentium Processor or compatible processor from another manufacturer (Only a single-processor CPU corresponds to WindowsNT)

CPU clock speed: 233 MHz or higher recommended

Main memory: 64 MB or more recommended

**Free space of the hard disk**#0 MB or more recommended **Display device:** Resolution 800 × 600 dots or higher recommended **Serial interface:** 38400 bps or 9600 bps

RS-232C cables are required for the RS-232C connections in the Routing Switcher System.

Connect the COM port of the PC/AT-compatible computer on which BZR-2000 is installed to the primary station via an RS-232C cable.

Pointing device: Mouse or equivalent pointing device (indispensable)

#### Limitations with WindowsNT or Windows2000

An IntelliMouse pointing device cannot be used.

#### **Optional boards**

The following boards are offered as hardware options. A PC/ATcompatible computer provided with an ISA-BUS (running WindowsNT, Windows2000 or WindowsXP) is required to use these boards.

S-BUS interface board: Sony BKS-R5001

Relation between the addresses of the BKS-R5001 on the PC and the switch setting on the BKS-R5001

Address	<b>Rotary Switch Position</b>	BZR-2000 Setup	
0000D8000-0000D9FFF	F	S-BUS Board 1	
0000D6000-0000D7FFF	E	S-BUS Board 2	
0000D4000-0000D5FFF	D	S-BUS Board 3	

#### Video Overlay Board: Sony BKV-100

For details on board settings, refer to the manual furnished with the board.

#### Usable routing switchers and relative devices

#### **Primary station:**

HKSP-R80, HDS-X5800, HDS-X3700/X3600/X3400, DVS-128, BKPF-70A

#### Secondary station or third-level station:

HDS-X5800, HDS-X3700/X3600/X3400 DVS-128, DVS-V6464/V3232, DVS-V6464B/V3232B, DVS-V6464M/ V3232M, DVS-V1616<sup>1)</sup>, DVS-A3232<sup>1)</sup>, DVS-R1616, DVS-TC3232, HKSP-061M, MVS-8000, BVS-V3232/A3232, BKPF-300/301/350/351, BKDS-7700, BZR-IF310, BZR-IF810 BKS-R1601/R3203/R3203, BKS-R3204/3205/3206, BKS-R1607/R1608/R3209/R3210 (Firmware V2.03 or higher) BKS-R1617/R1618/R1621/R3216/R3219/R3220 (Firmware V1.06 or higher) BKS-R3240A/R3242A/R3248A (Firmware V1.03 or higher) BKS-R3280/R3281 (Firmware V3.10)

 In serial interface (RS-232C) or network connection, the setting data cannot be received from the DVS-V1616 and DVS-A3232, owing to the functional limitations of the firmware. For uploading the setting data from multiple secondary and third-level stations consecutively, set the polling of the DVS-V1616 and DVS-A3232 to OFF, then upload the data in S-BUS Device Configuration or Database Operations.

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If you register the DVS-V1616 or DVS-A3232 as an additional S-BUS device and set the data, you can send the data to them.

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# Chapter 2

# Installation

## 2-1 Installing

The installation procedure is the same for Windows95, Windows98, WindowsNT, Windows2000, and WindowsXP.

- **1** Copy all files from all the floppy disks to any folder on the hard disk.
- **2** After copying is finished, double-click on the Setup.exe icon.

The installation program starts.

**3** Follow the instructions on the screen.

### 2-2 Uninstalling

The uninstallation procedure is the same for Windows95, Windows98, WindowsNT, Windows2000, and WindowsXP.

- 1 Click on the Windows Start button, then open "Control Panel" on the Settings submenu.
- **2** Open "Add/Remove Programs."
- **3** Choose "BZR-2000" from the program selection list under the "Install/ Uninstall" tab.
- 4 Click on the Add/Remove button or Change/Remove button on WindowsXP.

The Uninstaller starts, and removal of the program commences. Follow the instructions on the screen.

## To uninstall the optional driver software for the S-BUS I/F board (WindowsNT/Windows2000/WindowsXP only)

The driver software program can be deleted in the same manner as in Steps **1** to **4** above.

Specify "BKS-R5001 Driver" from the program selection list.



## Getting Started and Quitting

## 3-1 Starting the Program

Double-click on the BZR-2000 icon of the Explorer or on the Start menu. After the following screen is displayed, the Main Window is displayed.



The Logon dialog box is displayed if new users have been registered in Password Setup.

BZR-2000 Logon		X
<u>U</u> ser Name: Password:	<u>G</u> uest <u>A</u> ccept E <u>x</u> it	

Enter a User Name and Password, then click on the Accept button. The Main Window is displayed.

## **3-2 Initial Settings**

When BZR-2000 is executed for the first time after installation, the Setup dialog box will be displayed.

You should set the operating environment of the program first.				
BZR-2000 Setup	×			
System Monitor S-BUS Virtual Matrix N	1iscellaneous			
Primary Station Model: HKSP-R80	Detect			
C Off Line	Detect All Stations			
• On Line				
C S-BUS Primary Name or IP: Network 214.133.102.209	Available Devices as Secondary Station			
Port: 1001 COM1 Baud Rate : 38400bps Data : 8 bit Parity : NONE Stop : 1 bit Flow Control NONE	BKDS-7700 BKPF-300 BKPF-301 BKPF-351 BKPF-351 BKPF-401 BKPF-R700 BKPF-R70A BKS-R1601 BKS-R1607 BKS-R1607 BKS-R1617			
	OK Cancel <u>A</u> pply			

f th . fi

Set the operating environment of BZR-2000 and the Routing Switcher System configuration. For details on the setting items, see "4-1 Setup Dialog Box."

You can quit the program in either of the following ways:

- Click on BZR-2000 on the menu bar of the Main Window, then click on Exit (X) on the pulldown menu.
- Double-click on the icon located at the upper left of the Main Window.
- $\bullet$  Click on the  $\fbox$  button at the upper right of the Main Window.



The following Save dialog box is displayed:



Save button: To quit the program after saving the setting data into the current database

Save as button: To quit the program after saving the setting data into the specified database

No Save button: To quit the program without saving the setting data

**Cancel** button: To cancel quitting the program (to continue operation)

### 3-4 Operational Procedures of BZR-2000

Proceed as follows to make settings for the Routing Switcher System with this program.

You must be versed in connections and configurations for each device of the Routing Switcher System, S-BUS protocols, and the input/output audio/video signal matrix. For information on these, refer to the corresponding manuals. You may find the INSTALLATION MANUAL FOR SYSTEM SETUP especially helpful.

- 1 Identify all input/output signals, and group them into 16-level sources/ destinations.
- **2** Specify a "Type + Number" name to each of the virtual input/output terminal numbers.

The range for virtual terminal numbers is from 1 to 1024 for both sources and destinations.

- **3** Specify the second name, "Description" name, to the virtual terminal numbers, if necessary.
- **4** Allocate a physical terminal number to each virtual terminal number, as required.
- **5** Set Phantoms, if necessary.
- **6** Decide which remote control unit is to be active.
- **7** Decide which input is to be made unavailable for a specific output.
- **8** Set Tie Lines, if necessary.
- **9** Make settings for the remote control units on the S-BUS data link.
- **10**Save the setting data into a database, if necessary.



## Operation

## 4-1 Setup Dialog Box

To open the Setup dialog box, click on BZR-2000 on the menu bar of the Main Window, then click on Setup on the pulldown menu.

#### 4-1-1 System setting page

On this setting page, you can make settings for the primary and secondary stations.

BZR-2000 Setup		×
System Monitor S-BUS Virtual Matrix M	Miscellaneous	
Primary Station Model: HKSP-R80	Detect	
○ Off Line	Detect All Stations	
On Line		
C S-BUS Primary Name or IP:		
C Network 214.133.102.209	Available Devices as Secondary Station	
Serial Port Port: 1001     COM1     Saud Rate : 38400bps	BKDS-7700           BKPF-300           BKPF-301           BKPF-350           BKPF-351           BKPF-401           BKPF-IF300	
Data : 8 bit Parity : NONE Stop : 1 bit Flow Control NONE	BKPF-R70         Delete ≫           BKPF-R70A         BKS-R1601           BKS-R1607         BKS-R1607           BKS-R1608         ▼	
	OK Cancel <u>A</u> pply	

#### **Primary Station Model**

Select a model that can be connected as a Primary Station.

The connected primary station can be automatically detected by clicking on the Detect button.

To use the **Detect** button after switching from Off Line to On Line, click on the **Apply** button first.

Click the Detect All Stations button to detect all stations.

#### On Line/Off Line

When On Line is selected, you can choose either S-BUS, Network or Serial Port.

If S-BUS is selected, an S-BUS card for a PC/AT-compatible computer is required.

If Network is selected, the PC and the primary station must be connected via an Ethernet cable, and you must specify the IP address and network port of the primary station. You can connect an HDS-X5800 or HKSP-R80 as the primary station of the Network connections.

Set the same value as that for the primary station (default: 1001) for the network port.

In the network environment, which enables the use of Domain Name Service (DNS), you may use the host name registered in the DNS server instead of an IP address.

If Serial Port is selected, the PC and the primary station must be connected via an RS-232C cross cable, and you must specify the port and baud rate.

#### **Available Devices as Secondary Station**

You can add or remove model names specifiable as secondary stations onto/from the list.

In the initial status, all models specifiable with BZR-2000 are listed. Add or remove necessary model names.

To delete, select a model name on the left list, and click the Delete>> button. The deleted model name moves to the right list.

To restore a deleted model name, select the model name to be restored from the right list, then click on the <<Add button.

#### 4-1-2 Monitor setting page

BZR-2000 Setup	×
System Monitor S-BUS Virtual Matrix Miscellaneous	
Monitor Function	
☞ Assign One Destination for Source Monitor	
🗖 Use Monitoring Hardware	
✓ Use PC Display Overlay Card	
Available Monitor Devices as Secondary Station	
<< Add	
Delete 22	
OK Cancel	<u>A</u> pply

On this setting page, monitor functions can be specified.

#### **Monitor Function**

Assign One Destination for Source Monitor: Assign one destination as the source of monitoring.

Use Monitoring Hardware: Not available with the current version.

**Use PC Display Overlay Card:** To superimpose a monitor screen into the PC display. When this is selected, an optional card is required.

#### **Available Monitor Devices as Secondary Station**

Not available with the current version.

#### 4-1-3 S-SUB setting page

Several S-BUS boards should be grouped together as one control S-BUS board (only 1 channel) and the others as monitor S-BUS boards.

/stem   Monitor   SHBUS   Vir -SHBUS	rtual Matrix   Miscellaneous   Monitor S-BUS 1	Monitor S-BUS 2
S-BUS Board 1 CH1 💌 Station ID: 5 🚍	S-BUS Board 1 CH2  Station ID: 5	S-BUS Board 2 CH1 Station ID: 5
Description: S-BUS Monitor S-BUS 3	Monitor S-BUS 4	Description: Monitor S-BUS 2
Active S-BUS Board 2 CH2	Active	Active S-BUS Board 3 CH2
Description: Monitor S-BUS 3	Description:	Description: Monitor S-BUS 5

#### S-BUS



### Monitor S-BUS 1 to 5

Not available with the current version.

#### 4-1-4 Virtual Matrix setting page

BZR-2000 Setup				×
System   Monitor   S-B	3US Virtual Matrix Miscellane	eous		
Source Size :	1024			
Destination Size :	1024			
Level Number :	8	Comment Screet		
Level Mode :	<ul> <li>8 Level</li> <li>16 Level</li> </ul>	Level Mode	em Setting : 8 Level Mode :Type + Number	
Name Style :	<ul> <li>Type + Number</li> <li>Description Name</li> </ul>	Type Mode	: 16 Туре	
Type Mode:	<ul> <li>To Types (This system inc</li> <li>32 Types (This system doe</li> </ul>	ludes old version es't contain old v	n devices) rersion devices)	
		OK	Cancel	Apply

On this setting page, you can specify the configuration of the virtual matrix.

#### Source Size/Destination Size/Level Number

Maximum size of the virtual matrix.

The Source Size is fixed at 1024.

The Destination Size is fixed at 512 or 1024, according to the setting of the Level Mode. When the Level Mode is set to 8 Level, the Destination Size is 1024, and when the Level Mode is set to 16 Level, the Destination Size is 512.

The Level Number (number of levels) is fixed at 8 or 16, according to the setting of the Level Mode.

The capacity of the matrix is calculated as follows: Source Size × Destination Size × Level Number

#### Level Mode

You may select 8 or 16 levels.

#### Name Style

Selection of how to describe a matrix terminal name: **Type + Number:** Device name and its number **Description Name:** Description

#### **Type Mode**

- **16 Types:** For a system that includes 16-type panels, such as a BKS-R1601/R3202/R3203/R3204/R3205/R3206.
- **32 Types:** For a system that does not include 16-type panels and requires more than 16 types. For a BKS-R1607/R1608/R3209/R3210, firmware version 2.03 or higher is required, and for a BKS-R1617/R3216/R3219, firmware version 1.03 or higher is required.



#### **Current System Setting**

The current system status is displayed in an online operation.

#### 4-1-5 Miscellaneous setting page

On this setting page, the following miscellaneous settings can be made.

BZR-2000 Setup		×	
System Monitor S-BUS Vir	tual Matrix Miscellaneous		
Maximum size of Log :	Ū <u></u>	10%	
Log Folder : C¥Pro	gram Files¥SONY_BP¥BZR2000¥Log	Browse	
Database Folder : C:¥Pro	gram Files¥SONY_BP¥DATABASE	Browse	
Terminal Emulator :  "C:¥Pr	ogram Files¥TTERMPRO¥ttermpro.exe″/F=COM3_3	Browse	
Take Control	Crosspoint Grid		
Double Click	Source : Horizontal / Destination : Vertice	tical	
C [Take] Button Only	C Source : Vertical / Destination : Horizo	ontal	
Option Physical Assignment Configuration F Source Assignment Configuration			
	OK Cancel	Apply	

#### Maximum size of Log

Specify a maximum size for the log file, where information on the status of devices on the S-BUS lines, error information, and so on are to be stored. The size can be specified as a percentage of the logical drive capacity.

#### Note

If switching of many crosspoints such as Chop is performed for a long period of time, such as for testing the system, be sure to set Maximum size of Log to 0%.

#### Log Folder

Specify a directory where the log is to be stored.

#### **Database Folder**

Specify a folder where various setting data (databases) are to be stored. The data set or edited with BZR-2000 are stored in the specified folder as a database.

# Operation

#### **Terminal Emulator**

Specify a terminal emulator to be used as an external program. Specify it in the same format as "Target" of the Windows shortcut. If you wish to directly operate the terminal functions of the primary station, for example, you must specify a terminal program to be used to directly operate the functions. Then you can start the specified terminal emulator by selecting it from the toolbar of BZR-2000.

#### **Take Control**

Specify a method for how to execute a Take operation:

**Double Click:** Take is enabled by double-clicking on a crosspoint on the grid. With this setting, Take with the **Take** button is also possible.

[Take] Button Only: Take is enabled only by clicking on the Take button on the toolbar.

#### **Crosspoint Grid**

Specify parameters for the ordinate and abscissa of the crosspoint grids: Source:Horizontal/Desitnation:Vertical or Source:Vertical/ Destinaion:Horizontal.

#### Option

Only the administrator is permitted to access this setting. Whether operation of the listed items are to be permitted for other users or not can be specified.

The item selected by its check box is added to the toolbar of the Main Window as an icon. The items not selected will not be displayed. Various settings can be made for the Routing Switcher System by using the menu bar and toolbars of the Main Window. Often-used commands on the menu bar are registered to the icons on the toolbar(s) so that you can execute a command simply by clicking on the corresponding icon.

🚟 BZR-2000		- 🗆 🗵
<u>B</u> ZR-2000 <u>D</u> evice <u>S</u> ystem	<u>M</u> onitor <u>T</u> ools <u>W</u> indow <u>H</u> elp	
e ee		
ready	User :Master	

#### 4-2-1 BZR-2000 menu

#### Setup

To display the Setup dialog box

The Setup dialog box is automatically displayed when BZR-2000 is started for the first time after installation of the program, but will not be automatically displayed with subsequent start-ups. If you wish to display the Setup dialog box for modification or confirmation of the system settings, this command can be used.

#### Save/Ctrl+S

To save the setting data into the database currently selected

#### Save As...

To save the setting data into an assigned database

#### Logoff

To log off from BZR-2000

If any users have been registered in Password Setup, the Main Window will close, and the Logon dialog box will be displayed. Then, logging on to BZR-2000 with another user's name is possible.

When you start BZR-2000 for the first time, you can change all the settings as the administrator.

If there are several users for BZR-2000, and the administrator wishes to limit settings accessible by users other than the administrator, the authorized users should be registered.

After the users have been registered, every time BZR-2000 starts, the following logon dialog box is displayed:

BZR-2000 Logo	n		×
<u>U</u> ser Name:		<u>G</u> uest	
Password		<u>A</u> ccept	
<u>r</u> assword.	1	E <u>×</u> it	

**Exit** To quit the BZR-2000 program

#### 4-2-2 Device menu

#### S-BUS Device Configuration

In this dialog box, you can make settings for the devices on the S-BUS lines of the Routing Switcher System.

For details on setting, see "4-3 Settings for Devices."



You can add and delete devices to and from the system, set properties for each device, and switch polling ON/OFF.

In Graphic Mode, you can add a device listed in the left window to the right window, by dragging and dropping the desired device.

In List Mode, you can drag and drop a device in the left window directly to a desired S-BUS ID on the right, or change a device ID by drag and drop of the device name on the list.

To switch between Graphic and List modes, click on the leftmost button on the toolbar.

To set properties and polling ON/OFF for a device, right-click on the icon of the device in the right window for which you wish to make settings. A popup menu containing these commands will be displayed.

🛒 S-BUS Device Configuration \_ 🗆 × -#**‡** Ŧ ı. X 9 S-BUS Devices Model Models Layer Expression: C Device Г . . DVS-V6464B 0A ID = 1Properties... Ctrl+P DVS-V6464M BKS-R1608 ID = 5 DVS-V3232M ID = 2 DVS-V6464M ID = 3 BZR-IF310 ID = 4 ::.::::::::: HDS-X3400 BKS-R3210 ID = 7 BKS-R3209 ID = 6 BKS-R3280 ID = 8 HDS-X3600 HDS-X3700 Ŧ ready

 $\label{eq:example: Right-clicking on the icon of the BKPF-R70A, the primary station$ 

When the popup menu is displayed, point to "Properties..." and left-click. The setting display box for the device is displayed as shown below.

BKPF-R70A	×
ID: 1 Device:	Description:
Unit Location Source: 1 _ Destina	tion: 1 _ Level: 1 _ Exit
🖵 Crosspoint Area Box	Status Table From Device

Set items as required.

Setting items differ from device to device.

For details on settings inherent to each device, see "4-3 Settings for Devices."

#### Limitations with WindowsNT

When S-BUS connections are made, polling setting should be ON for at least 32 secondary stations. If the number of registered secondary stations is less than 32, set the polling of appropriate IDs to ON so that the total number of polling IDs becomes 32 or more.

🛒 S-BUS Device Confi	figuration	×
📃 🕅 ALL 🕅	1  ↑唔 ↓唔   ↑au  ↓   ↓   井  副   図   ♡   🐌	
Models Layer	S-BUS Devices Expression:   Model   Device	
E 1:BKPF-R70A	Room 10	
4:BZR-IF310		
	<b>I</b>	
	BZR-IF310 ID = 1	
	BKS-R3248A BKS-R1617 BKS-R3242A	
	10 - 2 10 - 4 10 - 6	
ready		//.

Select the Layer tab on the left window, and select a device on the layer tab. Then you can switch the upper layer of the S-BUS system such as the primary station and secondary stations and the lower layer such as the BZR-IF310, the extension device, and devices connected to the BZR-IF310 on the right window.

#### List of icons

**Display mode:** To switch the display mode, graphical mode or list mode of the right window

MILL Device check (All): To automatically detect models for all secondary stations directly connected to the primary station, and to check power-off

**Device check:** To automatically detect the specified device, and to check power-off. This only functions for devices on the S-BUS lines.

**Receiving polling table:** To read polling table data from the primary station

**Sending polling table:** To send polling table data to the primary station

**T**<sub>RLL</sub> **Receiving setting data (ALL):** To read the setting data from all devices

**U**RLL Sending setting data (ALL): To send the setting data to all devices

**Receiving setting data:** To read the setting data from the specified device

Sending setting data: To send the setting data to the specified device

**Router Location Setup:** To set the physical location of each device on the matrix.

You can locate a device at any desired location on the matrix by dragging the icon of the device from the left window and dropping it onto the matrix. You can also locate a device by using cut-and-paste commands. To do so, right-click on the device icon in the left window.

When you click on this button, the Routing Switcher Location Setup window will be displayed.

For details, refer to "Routing Switcher Location Setup dialog box" on the next page.

**Properties:** To edit the properties of the selected device

**Delete:** To delete the selected device from the S-BUS line

- **Reload:** To reload all data
- **Exit:** To quit S-BUS Device Configuration



#### **Routing Switcher Location Setup dialog box**

**Exit:** To quit Routing Switcher Location Setup

Reload: To reload all setting data of device locations

**Display Level:** To specify the display level

#### **Monitor S-BUS Device Configuration**

Not available with the current version.

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#### 4-2-3 System Menu

#### **Terminal Name Configuration**

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- u	
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=	
- C	
<u> </u>	

🔛 Terr	ninal Name	e Confi	guration						<
1	↓	=/	<b>×</b>	<b>9</b>					
Туре	Level		Source	Destination 🛘 I	Descriptio	n Name Groups			
No.	Name		No. T	Type + Num	ber	Description Name	Secret	▲	
0	🛔 IN		1 👪	IN001		IN001			
1	👸 ОИТ		2 🔛	IN002		IN002			
2	😭 CAM		3 👪	IN003		IN003			
3	VTR		4 🎎	IN004		IN004			
4	🔝 MONI		5 👪	IN005		IN005			
51	SAT		6 🔛	IN006		IN006			
6	ら PNT		7 🔛	IN007		IN007			
7(	🔊 PHAN		8 👪	IN008		IN008			
8(	🔄 SS		9 🎎	IN009		IN009			
9	👲 MIC		10 🄛	IN010		IN010			
A	CB		11 🔛	IN011		IN011			
В			12 🎎	IN012		IN012			
C			13 🔛	IN013		IN013			
D			14 🎎	IN014		IN014			
E			15 🎎	IN015		IN015			
F			16 🎎	IN016		IN016			
G			17 🄛	IN017		IN017			
Н			18 👪	IN018		IN018			
I			19 🎎	IN019		IN019			
J		-1	20 🔛	IN020		IN020			
•			21 🔛	IN021		IN021		<b>•</b>	
ready									//,

#### Type setting page

Specify type names to be used as prefixes of terminal names. Up to 4 characters can be entered, and the corresponding icons can be selected in Properties.

#### Level setting page

Specify the level names. Level names for up to 8 or 16 levels can be specified.

**Example:** Specify VID for level 1, and AUD for level 2.

#### Source setting page, Destination setting page

Specify terminal names.

For "Type + Number," specify terminal names, each consisting of a type name you have set (up to 4 characters) followed by a number (up to 3 digits).

A "Description Name" can be specified in up to 16 characters of any type. If you click on the Properties icon, the Properties dialog box is displayed, and you can select the icon specifically designed for the terminal. In the Properties dialog box, you can also specify Secret (Source) and Level (Destination).

The Properties dialog box can be displayed by double-clicking or rightclicking on the box you wish to specify.

#### **Description Name Groups setting page**

Edit and transmit the Description Name Groups.

For details, see "Operations on the Description Name Groups setting page."

# ||||||||||| Operation

#### List of icons

**Receiving setting data:** To read the setting data from the primary station.

- Sending setting data: To send the setting data to the primary station.
- **Properties:** To edit the selected terminal name
- **Delete:** To delete the selected terminal name
- **Reload:** To reload the setting data
- **Exit:** To quit Terminal Name Configuration

#### **Operations on the Description Name Groups setting page**

Display when S-BUS connections have been made:







- Add Group **button:** To create a new group. If you click on this button, a new No. and a temporary Description are added to the Groups box. By clicking on a temporary Description, the Description name can be changed.
- Delete Group button: By clicking on this button, the selected group can be deleted.

#### Addition of signals:

- **1** Select a signal by clicking on a desired signal on the Source Selection or Destination Selection list in the right of the window.
- **2** Click on the  $\leq Add$  button.

The selected signal is added to the Source Selected or Destination Selected list at the center of the window.

#### **Deletionof signals:**

- **1** Select a signal by clicking on a desired signal on the Source Selected or Destination Selected list at the center of the window.
- **2** Click on the Delete>> button.

The deleted signal is added to the Source Selection or Destination Selection list at the right in the window.

Repeat the above procedures of addition and deletion of signals until all the necessary Description Name Groups are created.

#### Data transmission/reception of the Description Name Group: • When serial interface (RS-232C) or Network connections have been made:

The following procedures are enabled only in on-line status. Only the data of a single group can be transmitted to all the control panels.

**1** Select a group to be transmitted from the Groups list.

2 Click on the To Secondaries button.

#### • When S-BUS connections have been made:

The following procedures are enabled only in on-line status.

#### For reception:

You can receive data only from the primary station. Click on the From Primary button, and the data for No. 1 to No. 8 of the Groups list will be overwritten with the received data.

#### Fortransmission:

To transmit data to the primary station, click on the **To Primary** button, and the data for No.1 to No. 8 of the Groups list will be transmitted.

To transmit data to the control panels and UMDs, proceed as follows:

- 1 Select a group to be transmitted from the Groups list.
- 2 Click on the To Secondaries button.

The Panel Selection dialog box appears.

Panel	Selection			×
	Exit Se	nd Select A	11	
	ID Model	Device	Description	
	4 BZR-IF310	DEV_4		
	5 BKS-R1608	DEV_5		
	5 BKS-R3209			
	8 BKS-B3280	DEV_7		
		1021_0	I	_

**3** Select the destination panels, then click on the Send button.

If the Select All button is clicked on, all the secondary and third-level control panels are selected as transmission destinations.

If the BZR-IF310 is selected as a transmission destination, all the thirdlevel control panels and UMDs connected to the BZR-IF310 will be destinations. You cannot transmit data to the third-level stations individually.

#### **Phantom Configuration**

On this submenu, you can create, edit, and delete local phantoms, global phantoms, and salvos. Phantom data can be read or sent from/to the primary station, or newly created.

🕓 Phantom Configuration										_	
↑ ↓ □ 🖹 🛛	S	¢ <b>∳</b> ∳ <b>?</b> ∳∳		i 💶		3   🛯	≥ ,	ا لے			
Phantom Groups:	Pha	antom Crossp	oint	8:							
Name Nu Class Descr		Source		Destination	1	2	3	4	5	6	7
👟 PHAN000 8 Local		IN001	<b>:</b>	OUT001	х	x	х	x	х	х	×
S PHAN001 1 Global0001		IN002	<b>E</b>	OUT002	x	x	х	x	х	х	×
Second Se		IN003	<b>.</b>	OUT003	х	х	х	х	х	х	×
Salvo PHAN003 1 Salvo		IN004	<b>:</b>	OUT004	х	x	x	x	x	x	×
	<b>•</b>	IN005	<b>E</b>	OUT005	×	x	х	x	x	×	×
	5.G	IN006	<b>::</b>	OUT006	x	х	x	х	x	×	×
		IN007	<b>:</b>	OUT007	х	X	х	x	x	x	×
		IN008	<b>:</b>	OUT008	x	x	x	x	x	×	×
<u> </u>	•										►
Group Class	n - Ph	antom Crossp	oint	Selection —							
C Local C Global C Salvo			_							_	
	9	Source A Destination A Level A Add									
Type: Number: Description:		IN001 -									
[7: PHAN ▼] 0 当 ]		IN002				✔ 2	- 1	1	<u>M</u> odify		
Global Phantom		IN003		🗱 ОПТООЗ	_	✔ 3	- 1		Vormal		
PHAN000		IN004			_	✓ 4			NUTHER		
Unused: 2789		IN005			_	✓ 5		191	alopai		
No:		IN006				✔ 6		.  O I	DST+		
		IN007			_ !	1 <b>9</b> 17		- Offs	et:		
Destination Icon		IN008	•		_	I∕ Ori	ginal		0		
, ready											11.

#### **Group Class**

Specify the class of a Phantom Group to be newly created from Local, Global and Salvo.

#### Type, Number, Description

Specify the terminal name (Type + Number) and Description of the Phantom Group to be newly created.

#### **Destination Icon check box**

To display destination icons on the Phantom Crosspoints list, click on the check box to select it.

#### **Global Phantom**

**Unused:** The number of available (registration possible) crosspoints for Global Phantom is indicated.

**No.:** When Global Phantom is selected in Phantom Groups, the serial numbers of the Global Phantoms is indicated.

#### **Phantom Crosspoint Selection**

**Source/Destination/Level list:** Select a terminal name or a level to be set. Add **button:** To add Source, Destination, and Level settings selected

from the Source, Destination, and Level lists to the Phantom Crosspoints list

Modify button: To modify Phantom Crosspoints

#### Selection of Normal/Global/DST+ and Offset

Normal: Normal Phantom Crosspoints

- **Global:** To add a Global Phantom to the Phantom Crosspoints list. Select a Global Phantom in Phantom Groups and specify a Global No. When Global is selected in Group Class, this option is disabled.
- **DST+ and Offset:** A Destination Offset-type Local Phantom is added to the Phantom Crosspoints list.

When DST+ is selected, Offset can be specified. This option is disabled when Group Class is set to Global.

#### **Original check box**

The original Level of the selected Destination is restored. This option is disabled when a Destination Offset-type Local Phantom or a Global Phantom is selected.

#### List of icons

<b>1</b> Receiving	g Global Phantom data: To read Global Phantom data
from the prin	nary station
Sending	Global Phantom data: To send Global Phantom data to
the primary s	station
Add: To	create and edit a Phantom Group on the Phantom Groups
list	
Duplicate	e: To copy a Phantom Group
Delete: 7	To delete a Phantom Group
🔥 Take Pha	antom: To execute Take for the selected Phantom Group
Test Pha	<b>ntom:</b> To display a matrix for confirmation of the setting
Snapsho	t: To copy an item of crosspoint status data into a
Phantom Gro	oup (Salvo)
Send Lo	cal Phantom: To send Local Phantom data to the Control
Panel	
<b>Graphica</b> Phantom Cre	<b>d Mode/List Mode:</b> To switch the display mode of the osspoints window
Select Bit	tmap: Select the background of the Crosspoint Grid
Preview 1	Phantom: To preview the Crosspoint Grid in another
window.	
🧐 Reload P	hantom: To reload the setting data
Exit: To	quit Phantom Configuration

#### Inhibit Table Configuration



On this submenu, you can specify Inhibit for a crosspoint.

Specify a rectangular area by dragging the mouse cursor, and specify Inhibit ON/OFF with the solution or by right-clicking.

#### List of icons

- **Receiving Inhibition Table data:** To read the Inhibition Table data from the primary station
- Sending Inhibition Table data: To send the Inhibition Table data to the primary station
- **Toggle Inhibition:** To switch Inhibition ON/OFF for the selected crosspoint
- **Zoom In Grid:** To magnify the view of the matrix area
- **Zoom Out Grid:** To zoom out the view of the matrix area
- **Reload:** To reload the setting data
- **Exit:** To quit Inhibit Table Configuration

#### **Physical Assignment Configuration**

On this submenu, you can allocate levels or names to physical inputs and outputs of the routing switcher. Allocate a physical terminal number and a physical level to a virtual name and a virtual level for Source and Destination.



#### List of icons

- **Receiving setting data:** To read the setting data from the primary station
- **Sending setting data:** To send the setting data to the primary station
- **Swap:** To swap setting data of the selected two areas
- **Paste:** To copy and paste the setting data of the selected area
- **Delete:** To delete the setting data of the selected area
- **Zoom In Grid:** To magnify the view of the matrix area
- **Zoom Out Grid:** To zoom out the view of the matrix area
- **Reload:** To reload the setting data
- **Exit:** To quit Physical Assignment Configuration

**Display Level:** To select the display level

#### **Source Assignment Configuration**

On this submenu, you can allocate sources. Take Level 1 as a reference, and allocate sources of other levels.

Source Assignment Configuration										×			
1	↓	9											
No.	1	2	3	4	5	6	7	8		Sourc	ce Selection	1	
1	IN001	IN001	IN001	IN001	IN001	IN001	IN001	IN001		No	Source	<u> </u>	
2	IN002	IN002	IN002	IN002	IN002	IN002	IN002	IN002		1			
3	IN003	IN003	IN003	IN003	IN003	IN003	IN003	IN003		$\vdash$			
4	IN004	IN004	IN004	IN004	IN004	IN004	IN004	IN004		4			
5	IN005	IN005	IN005	IN005	IN005	IN005	IN005	IN005		3	INUU3		
6	IN006	IN006	IN006	IN006	IN006	IN006	IN006	IN006	1	4	IN004	-	
7	IN007	IN007	IN007	IN007	IN007	IN007	IN007	IN007	1	5	🔛 IN005		
8	IN008	IN008	IN008	IN008	IN008	IN008	IN008	IN008	1	6	🔛 IN006		
9	IN009	IN009	IN009	IN009	IN009	IN009	IN009	IN009	1	7	🔛 IN007		
10	IN010	IN010	IN010	IN010	IN010	IN010	IN010	IN010	1	8	🔛 IN008		
11	IN011	IN011	IN011	IN011	IN011	IN011	IN011	IN011	1	9	🔛 IN009		
12	IN012	IN012	IN012	IN012	IN012	IN012	IN012	IN012	1	10	🔛 IN010	<u> </u>	
13	IN013	IN013	IN013	IN013	IN013	IN013	IN013	IN013	1	11	🛃 IN011	+	
14	IN014	IN014	IN014	IN014	IN014	IN014	IN014	IN014	1	12		+	
15	IN015	IN015	IN015	IN015	IN015	IN015	IN015	IN015	1	13		+	
16	IN016	IN016	IN016	IN016	IN016	IN016	IN016	IN016	1	14		+	
17	IN017	IN017	IN017	IN017	IN017	IN017	IN017	IN017	1	15		+	
18	IN018	IN018	IN018	IN018	IN018	IN018	IN018	IN018	1	10		+	
19	IN019	IN019	IN019	IN019	IN019	IN019	IN019	IN019	1	10		+	
20	IN020	IN020	IN020	IN020	IN020	IN020	IN020	IN020	1	17		-	
21	IN021	IN021	IN021	IN021	IN021	IN021	IN021	IN021	1	18			
22	IN022	IN022	IN022	IN022	IN022	IN022	IN022	IN022	1	19	IN019	-	
23	IN023	IN023	IN023	IN023	IN023	IN023	IN023	IN023	1_1	20	👪 IN020		<b>F</b>
ي ال	11004	10000	11001	11004	1110014	11001	100004	111001	Ľ	L 01	1543 TUDO1	1	_
ready													11.

#### List of icons

**Receiving setting data:** To read the setting data from the primary station

**Sending setting data:** To send the setting data to the primary station

- **Reload:** To reload the setting data
- **Exit:** To quit Source Assignment Configuration
#### **Tie Line Configuration**

Tie Line Configuration \_ 🗆 × 1 X 9 **†** No. Path . Source Group 1 Path1 Source: 2 Path2 1:IN001 10:IN010 • 3 Path3 Level: Destination: 4 Path4 -1:1 2:0UT002 • 5 Path5 6 Path6 4:0UT004 • 7 Path7 8 Path8 Route Group 9 Path9 Source: ▼ 14:IN014 12:IN012 Destination Level: 2:2 Destination • 5:0UT005 Source . . • IN005 👪 OUTOO1 7:0UT007 IN006 🗱 ОП1005 -OUT003 TN007 IN008 🗱 OUT004 Level Destination Group IN009 🗑 OUT005 Source: IN010 🚆 OUT006 22:IN022 • 24:IN024 IN011 OUT007 3 Destination: Level IN012 🞛 ООТОО8 4 3:3 • 2:0UT002 -IN013 🗱 ОПДООВ 5 🔛 ОПТОТО 6 IN014 2:0UT002 • 🔛 IN015 🗱 OUT011 7 • -ready

On this submenu, you can set Tie Line Paths between Sources and Destinations.

From the Path list at the upper left of the window, select a Path number to be set. Up to 16 paths can be set.

#### Setting Source Group/Route Group/Destination Group

Select a terminal name in each Group. You can drag a terminal name from the Source/Destination/Level list at the bottom of the window, and drop it into each box of Source Group/Route Group/Destination Group to the right in the window.

#### List of icons

**Receiving setting data:** To read the setting data from the primary station

Sending setting data: To send the setting data to the primary station

- **Delete:** To delete the selected terminal name
- **Reload:** To reload the setting data
- **Exit:** To quit Source Assignment Configuration

Operation

## 4-2-4 Monitor Menu

#### Configuration

On this submenu, you can allocate a Destination signal as a monitoring source for each level.

M	Monitor Configuration							
	Destin	ation Selectio	n:	Assigned	Destination:		OK	
	No.	Destination		Level	Destination			
	1	🗱 ООТОО1		<b>v</b> 1	OUT001		Gancel	
	2	🗱 ОНТОО2		2	OUT001		Apply	
	3	🗱 ОНТООЗ		<b>v</b> 3	OUT001			
	4	🔛 OUTOO4		4	OUT001		🔲 Enabled	
	5	🗱 ОНТОО5		5	OUT001			
	6	🗱 OUTOO6		6	OUT001			
	7	🔛 ООТОО7		7	OUT001			
	8	🗱 OUT008	-	8	OUT001			
		lav Video —						
	Leve	ay video ::	Monito	r S-BUS:	e	Sou	100	
	1	-	S-BU	e	ਿਤ ਵਿੱ	oou		
	11	<u> </u>	Jo . DO	0		Des	tination	

Assign levels in the Assigned Destination list, and double-click on a signal on the Destination Selection list to be allocated. You can drag a signal name from the Destination Selection list, and drop it at the desired Level on the Assigned Destination list.

By clicking on Level check boxes on the Assigned Destination list, you can switch enabled/disabled of the setting at each level.

To simultaneously switch enabled/disabled of the settings for several levels, select the desired levels from the Assigned Destination list and click on the Enabled check box.

## Take

\_ 🗆 🗵 🛄 Monitor Status: Level Resource ٠ **v** 1 -Take Resource: 2 IN001 **v** 3 Ŧ ✔ 4 Protect Take Source Overlay 🔽 Fixed Ratio (4:3)

On this submenu, you can take a crosspoint for monitoring.

Select a source in the Resource box of Take, and click on the Take button.

To protect the Destination set as a monitor output, click on the **Protect** button.

## 4-2-5 Tools Menu

#### **Control Grid**

On this submenu, you can display status information on crosspoints at the specified level.



#### List of icons

**Level Dialog:** To switch the Display/Take/Status tabs ON (display) or OFF (don't display). When ALL is selected on the Display tab, the display mode for crosspoints is switched to List mode.



Take					
Source:	IN004		•	Levels	
Destination:	OUT006		•	✓ 1	
				3	
				4	
				5	
				6	
<u> </u>		<u>l</u> ake		🗆 7	<u> </u>

You can select and take crosspoints in the Take dialog box.

**Protect:** To protect a crosspoint selected by clicking on the grid

Take: To take a crosspoint selected by clicking on the grid. If "Double Click" is selected in "Take Control" under the Miscellaneous tab of the Setup dialog box, you can take a crosspoint by directly double-clicking on it. **Interval Status Sense:** This is enabled only when RS-232C connections have been made. If you click on the check box, crosspoint status data will be periodically read.

**Upload:** To read crosspoint status data

#### **Prototypes for Panels**

On this submenu, you can create a prototype for the control panel. You can create, edit, and delete Buttons, Available Destinations, Selectable Sources, and Routes.

## Buttons commonly used in all setting pages (valid for all settings)

OKbutton: To quit this submenu with all settings validatedCancelbutton: To quit this submenu and abandon your new settingsApplybutton: To validate any new settings (process continued)

#### **Buttons setting page**

	뺤	Prototypes fo	or Panels						-	
	В	Buttons Available Destinations Selectable Sources Routes								
	F	rototypes: No. Descrip 1 Commo	n Ad Dele	ld Prototype ste Prototype slete Button	Selections Source NN001 NN002 NN004 NN004 NN006 NN006		Destination           Image: Output           Image: Output </td <td></td> <td>No. Phantom 1 PHAN001 2 PHAN002</td> <td></td>		No. Phantom 1 PHAN001 2 PHAN002	
		1: JIN001 9:	2: [IN002 ] 10:	3: [IN003 11:	4: IN004	5: [IN005 13:	6: IN006 14:	7: JN007 15:	8: IN008	
Button assignment boxes		17: IN009	18: IN010	19: IN011	20: IN012	21: IN013	22: IN014	23: IN015	24: IN016	
		25: OUT009	26: OUT010	27: OUT011	28: OUT012	29: OUT013	30: OUT014	31: OUT015	32: OUT016	
	rea	dy					<u>O</u> K		ancel <u>A</u> pply	

Add Prototype button: To create a new prototype. When you click on this button, a new No. and a temporary Description are added to the Prototypes box. By clicking on a temporary Description, the corresponding Description name can be changed.

Delete Prototype button: By clicking on the button, the selected prototype can be deleted.

**Button assignment boxes:** Allocate signals (Source, Destination, Phantom) to the buttons as follows:

- 1 Click on a button assignment box to which a signal is to be allocated.
- **2** Double-click on a signal or phantom name on the Source, Destination or Phantom list in Selections.

Repeat the above procedures until all the necessary signals are allocated to the control panel buttons.

💐 Prototypes for Panels			
Buttons Available Destinat	tions Selectable Sources	Routes	
Prototypes: No. Description 1 Available1	Add Prototype Delete Prototype	Available Destinations:         No.       Destination         ✓       1         ✓       1         ✓       2         ØUT001         ✓       2         ØUT002         ✓       3         ØUT003         ✓       4         ØUT004         ✓       5         ØUT005         ✓       6         ØUT006         ✓       7         ØUT008         ✓       9         ØUT010         ✓       11         ØUT010         ✓       11         ØUT010         ✓       13         ØUT013         ✓       14         ØUT014         ✓       15         ØUT015         ✓       16         ØUT016         ✓	T Available
		<u>O</u> K	Cancel <u>Apply</u>
ready			

#### Available Destinations setting page

Add Prototype **button:** To create a new prototype. One prototype covers a Destination Size specified on the Virtual Matrix setting page of the Setup dialog box from Destination No.1 on the Available Destinations list.

If you click on this button, a new No. and a temporary Description are added to the Prototypes box. By clicking on a temporary Description, the Description name can be changed.

- Delete Prototype button: By clicking on this button, the selected prototype can be deleted.
- **Available Destinations list:** The availability of each Destination can be switched by clicking on the check box to the left of each No.
- Available check box: To simultaneously switch the availability of several Destinations, select the desired Destination numbers (see below) and click this check box.

#### Selection of several Destinations on the list:

To select consecutive boxes, click on the first Destination you wish to select, point to the last Destination you wish to select, and while holding down the Shift key, click on it.

To select discontinuous boxes, click on the first Destination you wish to select, then point to the next Destination you wish to select, and while holding down the Ctrl key, click on it. Select all Destinations you wish one by one in the same manner.

Repeat the above procedures until all the necessary signals are allocated to each button.

黝	Y Prototypes for Panels									
E	Buttons Available Destinations Selectable Sources Routes									
	Prototypes: Selections									
	No.	Description	Add Prototype	1	Source	<b></b>	Destina	ation		
	1	Selectable1	Delete Prototype	1	IN001		TUO 🧱			
				-				1002 mn3		
					M IN004			1000		
					👪 IN005		E OUT	r005		
					IN006		E OUT	1006		
	Select	able Sources:								
	No.	Source(from)	Source(to)	Destina	tion(from)	Destination(to)		Delete		
	1	IN002	IN002	OUT002		OUT002		Selectable Source		
	2	IN003	IN004	OUT005	<b>_</b>	OUT005				
	3							Oreate 1		
	5							Available		
	6							Overate		
	7							Description		
	8							NameGroup		
							-			
						<u>o</u> k	<u>C</u> ance	I <u>A</u> pply		
re:										
100	iu,									

#### Selectable Sources setting page

Add Prototype **button:** To create a new prototype. If you click on this button, a new No. and a temporary Description are added to the Prototypes box. By clicking on a temporary Description, the Description name can be changed.

Delete Prototype button: By clicking on this button, the selected prototype can be deleted.

Selectable Sources list:

**To specify Sources and Destinations:** Select a terminal name from the Source or Destination list in Selections on the right of the window, then drag and drop it into a Source or a Destination box on the Selectable Sources list.

**To delete a Selectable Source:** Click on a Selectable Source you wish to delete from the Selectable Sources list, then click on the Delete Selectable Sources] button.

Create necessary prototypes by referring to the above.

- Create Available Destinations **button:** To automatically create an Available Destinations list and add it to the Prototypes list of the Available Destinations setting page. On the Available Destinations list to be created, the Destination terminal names contained on the Selectable Sources list of the prototype selected from the Prototypes list on this setting page are ON (Available), and other Destination terminal names are OFF (Not Available).
- Create Description Name Group button: To automatically create a Description Name Group and add it to the Groups list of the Description Name Groups setting page in the Terminal Name Configuration window. The Description Name Group to be created contains terminal names on the Selectable Sources list of the prototype selected from the Prototypes list on this setting page.

#### **Routes setting page**

🛠 Prototypes for Panels									
Buttons Available Desti	Buttons Available Destinations Selectable Sources Routes								
Prototypes:       No.     Description       1     Routes1       2     Routes2       3     Routes3       4     Routes4       5     Routes5       6     Routes6	Add Protot Delete Proto Delete Routes	ype No: 1 stype Route D 1:OUTO Source: Destina	vestinat 01 [1:INC tions:	] i <u>on:</u> 101 [3:OUT	<b>)</b>	]	Srce No. 1 2 3 4 5 6 7 6	Dest Le Destination OUT001 OUT002 OUT003 OUT004 OUT005 OUT006 OUT006	
Routes:									
No. Route Destin	Source	Destination	1	2	3	4	10 10		
1 OUT001	IN001	OUT003	x	x	x		11 🗄		
2							12		
3							13	OUT013	
4							14	OUT014	
0						-	15 🖁	OUT015	
7							16 🕻	🖁 OUT016	
8							17 🖁	🖁 OUT017	<b>_</b>
0,						_	<u>  </u>	·······	
							🗖 DST+	Offset:	U 🚔
					<u>0</u> K		Cance		Apply
ready									

Add Prototype **button:** To create a new prototype. If you click on this button, a new No. and a temporary Description are added to the Prototypes list. By clicking on a temporary Description, the Description name can be changed.

Delete Prototype button: By clicking on this button, the selected prototype can be deleted.

Select a number you wish to set from the Routes list first, click on a Route Destination, Source, or Destination box of the number, then select a desired terminal name from the displayed list. Click on  $\bigtriangledown$  to display the pulldown menu, then select a desired terminal name. The availability of Levels 1 to 8 can be switched ON and OFF (no mark/x) by double-clicking on the corresponding level boxes.

You can also assign a terminal name by drag-and-drop of a terminal name from the Srce or Dest list on the right in the window, or by checking the check boxes on the Level list.

Set the necessary items on the Routes setting page referring to the above.

## **UMD Strings**

On this submenu, up to 200 UMD strings can be registered and edited.

#### Note

This setting is available only when your Routing Switcher System contains the BKS-R3280 or BKS-R3281.

ID String Confi	guration						
Send ToPanel	Brightness	Left LED	Right LE	D	Reload	<u>E</u> xit	
No. String		Bright.	. Left L	Right			-
1 TOKY	0	50%	Off	Off			
2 WASH	INGTON	25%	Off	Off			
3 LOND	ON	25%	Off	Off			_
4 PARIS		25%	Off	Off			
5 BEIJIN	IG	25%	Off	Off			
6		25%	Off	Off			
7		25%	Off	Off			
8		25%	Off	Off			
9		25%	Off	Off			
10		25%	Off	Off			
11		25%	Off	Off			
12		25%	Off	Off			
13		25%	Off	Off			
14		25%	Off	Off			
15		25%	Off	Off			
16		25%	Off	Off			
17		25%	Off	Off			
18		25%	Off	Off			
19		25%	Off	Off			
20		25%	Off	Off			
21		25%	Off	Off			
22		25%	Off	Off			
23		25%	Off	Off			

Send To Panel button: To send UMD strings to the control panel Brightness button: To select brightness

Left LED **button:** To switch ON/OFF the LED, and to select the luminescent color

**Right LED button:** To switch ON/OFF the LED, and to select the luminescent color

Reload button: To reload UMD strings

**Exit button:** To quit UMD Strings



#### **Password Setup**

On this submenu, you can register new users and passwords to limit operable items of BZR-2000 to users other than the Administrator. Thus, security is assured when several users use this program. When you first start the program after installation, you can make all the

settings for BZR-2000 as the Administrator. If you register new users, every time you start the program afterward, or if you click on Logoff (L), the logon dialog box is displayed, which enables the Administrator to manage other users.

User				×
Users				
User	Description	Name Group	Available Desti	Selectable Sour
Administrator				
Guest				
			^	
<u>A</u> do	<u>G</u> opy <u>D</u> ele	te <u>M</u> odify		E <u>×</u> it

In the initial status, only the Administrator and the Guest are registered. Add **button:** To register a new user, click on this button.

When any of the users on the Users list is selected, the following operations are available:

**Copy button:** To copy registration data for the selected user to another user to be newly registered

Delete button: To delete a registered user from the Users list

Modify button: To modify registration data for the selected user on the Users list

User:	user	Permitted Functions:
Description: Password: Confirm Password: Prototypes Name Groups: No. Desc 1 Group 2 Group 1	********       ********       *ription       No.       Description       No.       Description       1       Available1       1       Selectable Sources:       No.       Description       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	Setup S-BUS Device Configuration Monitor S-BUS Device Configuration Physical Assignment Configuration Phantom Configuration Source Assignment Configuration Inhibit Table Configuration Tie Line Configuration Take Monitor Take Protect QK Qancel

User: Enter a user's name

**Description:** A comment for the user can be entered.

**Password:** Enter a password for the user.

- **Confirm Password:** To confirm you did not make a typing error when entering the password, enter the same password again.
- **Prototypes group box:** If you check the check boxes in the Name Group, Available Destinations, and Selectable Sources lists, the checked items become available to the user.
- **Permitted Functions list:** Operable functions for the user can be limited. The user cannot use the functions not checked.

#### **Database Operations**

Database Operations	×
Database List:	E <u>×</u> it
Description DATABASE1 DATABASE2	Current Folder: DATABASE1
DATABASE3	New
	Duplicate
	Copy From
	Copy To
	Import 👻
	Export
	Delete
From Device To Device ☑ ☑ New Data	abase econdaries

On this submenu, you can copy or delete databases of BZR-2000.

**Current Folder:** To select a database to be used

**New button:** To create a new database filled with default data

Duplicate button: To create a copy of the database selected from the Database List

Copy From **button:** To assign a file from which a database is to be copied

Copy To button: To assign a file to which a database is to be copied

**Import button:** To the information on terminal names, or the data backed up with the BZR-20.

A file for information on terminal names is a CSV (Comma Separated Values) format file. The Type name, Level name, Type + Number name or Description name of the Source or Destination must be written. The Type + Number name and Description name are not mandatory for all terminals. The format is the same as that output with the Export button.

The following data files backed up with the BZR-20 can be imported.

Data
S-BUS Table data
Description Name (Source & Destination) data
Global Phantom data
Inhibit Table data
Physical Assignment data
Tie Line data
Source Assignment data

Operation

When you click on the <u>Import</u> button, the menu below appears, and you can select the imported item.



#### Note

Location data for the primary station, data of the secondary stations, and data for the third-level devices connected to the BZR-IF310 cannot be imported.

**Export button:** To output information on terminal names, or the registered-device list, to a CSV format file. The CSV format is a general data format supported by calculation software such as Microsoft Excel.

**Delete button:** To delete the database selected from the Database List

#### Note

The database selected in Current Folder cannot be deleted.

From Device button: To receive all setting data for the primary station to the BZR-2000

To Device button: To send all setting data of the primary station from the BZR-2000

**New Database:** To receive data to the database independent from the data being operated. This functions for receiving only.

**Include Secondaries:** To specify whether receiving/sending data is to be enabled or not on the secondary stations. This functions for both receiving and sending.

## **View Log**

On this submenu, you can check the log files. This command is operable only when the S-BUS connections have been made.

👸 Monday, J	une 19, 2000 - 01	
Menu		
Time	Message	Additional Information
15:59:51:	BZR-2000 S-BUS Started	
15:59:53:	STARTED BY BZR-2000 Ver120 IN STATION 5	
16:00:16:	STARTED BY BKS-R1607 Ver2.03 IN STATION	
16:05:29:	INVALID INPUT OR OUTPUT BOARD IN STATI.	
16:11:19:	VALID INPUT OR OUTPUT BOARD IN STATIO	
16:11:22:	INVALID INPUT OR OUTPUT BOARD IN STATI.	
16:11:23:	INVALID INPUT OR OUTPUT BOARD IN STATI.	
16:11:25:	INVALID INPUT OR OUTPUT BOARD IN STATI.	
16:11:26:	INVALID INPUT OR OUTPUT BOARD IN STATI.	
16:12:25:	VALID INPUT OR OUTPUT BOARD IN STATIO	
16:12:27:	VALID INPUT OR OUTPUT BOARD IN STATIO	
16:12:59:	VALID INPUT OR OUTPUT BOARD IN STATIO	
16:13:01:	VALID INPUT OR OUTPUT BOARD IN STATIO	
16:13:16:	INVALID INPUT OR OUTPUT BOARD IN STATI.	
16:14:58:	VALID INPUT OR OUTPUT BOARD IN STATIO	
16:15:36:	INVALID INPUT OR OUTPUT BOARD IN STATI.	
16:25:27:	STARTED BY DVS-V3232M Ver3.00 IN STATIO.	
16:25:28:	Crosspoint change	Source No. = 193 Destination No. = 193 Level = 1
16:25:28:	Crosspoint change	Source No. = 194 Destination No. = 194 Level = 1
16:25:28:	Crosspoint change	Source No. = 195 Destination No. = 195 Level = 1
16:25:28:	Crosspoint change	Source No. = 196 Destination No. = 196 Level = 1
16:25:28:	Crosspoint change	Source No. = 197 Destination No. = 197 Level = 1
16:25:28:	Crosspoint change	Source No. = 198 Destination No. = 198 Level = 1
16:25:28:	Crosspoint change	Source No. = 199 Destination No. = 199 Level = 1
16:25:28:	Crosspoint change	Source No. = 200 Destination No. = 200 Level = 1
16:25:28:	Crosspoint change	Source No. = 201 Destination No. = 201 Level = 1
16:25:28:	Crosspoint change	Source No. = 202 Destination No. = 202 Level = 1
16:25:28:	Crosspoint change	Source No. = 203 Destination No. = 203 Level = 1
16:25:28:	Crosspoint change	Source No. = 204 Destination No. = 204 Level = 1
16:25:28:	Crosspoint change	Source No. = 205 Destination No. = 205 Level = 1
16:25:28:	Crosspoint change	Source No. = 206 Destination No. = 206 Level = 1 🔤
16/05/08	Overspeint ehende	Source No = 207 Dectination No = 207 Loual = 1

You can select a log file by selecting History from Menu.



## Terminal

On this submenu, you can start a program assigned as a terminal emulator on the Miscellaneous setting page of the Setup dialog box.

## 4-2-6 Window Menu

When several setting windows of BZR-2000 are open on the screen, click on the window name you wish to be displayed in front.

## 4-2-7 Help Menu

## BZR-2000 Help

You can display Help on how to use BZR-2000.

## About BZR-2000

The version and copyright information of BZR-2000 is displayed.



To display device setting dialog boxes, right-click the icon of a device for which you wish to make settings in the right-hand window of the S-BUS Device Configuration dialog box (Device menu), then left-click on Properties. Some setting items are common to all devices, and other settings differ from device to device.

For details on the S-BUS Device Configuration dialog box, see "4-2-2 Device menu."

## 4-3-1 Setting Items Common to All Devices



The following setting items are common to all devices.

**ID:** The value is fixed to 1 when the device is registered as the primary station.

When the device is registered as a secondary station, an ID No. of 2 or higher is set, in the order of registration. The ID No. can be changed in List Mode of S-BUS Device Configuration of the Device menu.

Device: Any device name can be specified.

**Description:** Any comment for the device can be entered.

Reload button: To reload the setting data

**Exit button:** To close Properties dialog box

From Device button: To read the setting data from the device

To Device button: To send the setting data to the device

## 4-3-2 Setting Items Common to the Routing Switcher/Selector/Controller

Items common to Routing Switcher/Selector/Controller						
Items common to all models						
Unit Location Source: 1 Destination: 1 Level: 1						
Items depending on each model						

The following setting items are common to all Routing Switcher/Selector/ Controller models:

#### **Unit Location**

Assign the offset location and the level on the matrix on which the device is to be located.

Source: Assign the offset location of a Source device.

**Destination:** Assign the offset location of a Destination device.

Level: Assign the level at which the device is to be located.

#### Note

There are some limitations on assignment of Sources and Destinations, depending on the device.

Unit Locati	on ———	_				
Source:	1- 32	Destination:	1-32	<b>-</b>	Level:	1 💌

Settings common to the BVS-A3232/V3232 and DVS-A3232/TC3232

**Source:** Source is determined when Destination is specified (not specifiable).

**Destination:** The offset location is specified in units of 32 channels.

#### Settings for the DVS-RS1616

**Source:** Source is determined when Destination is specified (not specifiable).

**Destination:** The offset location is specified in units of 16 channels.

# Status button: The status data of the device are displayed. This functions only in the online operation.

**Example:** Status display for the DVS-128

S	tatus			×
	Model & Version: DVS-128 V1.00 Reard Status:		<u>QK</u>	
	Board	Validity	Signal	_
	Input 1-32 Input 33-64 Input 65-96 Input 97-128 Output 1-32 Output 33-64 Output 65-96 Output 97-128	Valid Valid Valid Valid Valid Valid Valid Valid	Analog Video Analog Video Analog Video Analog Video Analog Video Analog Video Analog Video Analog Video	
	Power Supply Status: A Valid B Valid	Standb Invalio	by CPU Status: I	



Status Model & Version:  HDS-X3700_V1.00					2K
Board Status:					
MAIN Board	Validity	Signal	CN 01-16	CN 17-32	Re
Input 1-32	Valid	HD-SDI	HD-SDI	SD-SDI	
Input 33-64	Valid	HD-SDI	Invalid	HD-SDI	
Input 65-96	Valid	SD-SDI	SD-SDI	SD-SDI	
Input 97-128	Valid	SD-SDI	SD-SDI	SD-SDI	
Output 1-32	Valid	HD-SDI	HD-SDI	SD-SDI	A
Output 33-64	Valid	HD-SDI	HD-SDI	HD-SDI	A
Output 65-96	Valid	HD-SDI	SD-SDI	SD-SDI	В
Output 97-128	Valid	SD-SDI	SD-SDI	SD-SDI	A
Power Supply Statu A Valid B Valid	s: Stand Invali	by CPU Statu d	us: Unit 1 OK	Femperature:	

Operation

# Table button: The table data for the device are displayed. This functions only in the onLine operation. **Example:** Table data display

🔐 Tab	le																- D ×
	+0	+1	+2	+3	+4	+5	+б	+7	+8	+9	+1	+B	+C	$+\mathbb{D}$	+E	+F	<u> </u>
1F00	00	00	00	00	01	00	00	00	00	00	00	00	00	00	00	00	
1F10	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
1F20	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
1F30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	111111111111111111
1F40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
1F50	01	02	03	04	05	06	07	08	09	OA	OB	0C	OD	ΟE	OF	10	
1F60	11	12	13	14	15	16	17	18	19	11	1B	1C	1D	1E	1F	20	
1F70	21	22	23	24	25	26	27	28	29	21	2 B	2C	2 D	2 E	2 F	30	!"#\$%&'()*+,/0
1F80	31	32	33	34	35	36	37	38	39	31	3B	3C	3 D	3 E	3F	40	123456789:;<=>?@
1F90	00	11	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
1FAO	00	00	00	00	00	00	00	00	00	03	00	00	00	00	00	00	
1FB0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
1FC0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
1FD0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
1FE0	42	4B	50	46	2 D	52	37	30	41	20	56	31	2 E	30	30	54	BKPF-R70A.V1.00T
1FF0	20	00	00	00	00	00	00	00	00	00	00	00	00	74	79	27	ty'

## 4-3-3 Settings for the BKDS-7700 and Switcher System Control Unit (SCU)

MVS-8000	×
ID: 2 Device: Description:	
Unit Location Source: 1 - Destination: 1 - Level: 1 - Level: 1 -	<u>R</u> eload E <u>x</u> it
Model Name : MVS-8000	From Device
Input : 138 🛋 Output (Bus) : 136 🛋	

- **Model Name:** Specify the name of the switcher connected to the BKDS-7700 or Switcher System Control Unit. Default for the BKDS-7700 is "BKDS-7700," and for the Switcher System Control Unit is "MVS-8000."
- **Matrix Size:** Specify the size of the input matrix of the switcher connected to the BKDS-7700 or Switcher System Control Unit. The size set here will be reflected in the matrix size for each device displayed in Routing Switcher Location Setup.

## 4-3-4 Settings for the BKPF-R70/R70A and HKSP-R80

BKPF-R70		×
ID: 2 Device:	Description:	
Unit Location Source: 1	Destination: 1 📩	Level: 1 💌 <u>R</u> eload E <u>x</u> it
🦵 Crosspoint Area Box	Status	Table From Device
Switching Field: ASYNC	▼	To Device
Signal Format		
Source Formats:	Destination Formats:	
Input Format	Output Format	
1-8 4:2:2	1-8 4:2:2	
9-10 4:2:2	9-10 4:2:2	
25-32 4:2:2	25-32 4:2:2	
33-40 4:2:2	33-40 4:2:2	- Format
41-48 4:2:2	41-48 4:2:2	C 4:2:2
49-56 4:2:2	49-56 4:2:2	C 4fsc 525
07 04 4.2.2	07 04 4.2.2	C 4fsc 625
1		

**Crosspoint Area Box:** Specify whether to display the virtual crosspoints (VMTX) of the BKPF-R70/R70A or HKSP-R80 in the Routing Switcher Location Setup window.

Switching Field: Assign timing for switching signals.

**ASYNC:** Signals are switched at the point where the switching command is received.

**ODD:** Signals are switched at the beginning of the first odd field immediately after the switching command is received. **EVEN:** Signals are switched at the beginning of the first even field

immediately after the switching command is received.

**FIELD:** Signals are switched at the beginning of the first field immediately after the switching command is received.

Signal Format (BKPF-R70 only): The signal formats for Sources and Destinations can be assigned in units of 8 channels.
On the Source Formats or Destination Formats list, double-click on the line you wish to change. The Format changes cyclically among 4:2:2, 4fsc 525 and 4fsc 625. To specify the same format for several lines, select the desired lines on the list, then click on the desired option button in the Format group box to place a black dot inside.

**Matrix Size** (HKSP-R80 only): If the virtual crosspoints (VMTX) are displayed, specify the area size.

There is no specific setting item for the BKPF-R70A. See "4-3-1 Setting Items Common to All devices" and "4-3-2 Setting Items Common to the Routing Switcher/Selector/Controller."

## 4-3-5 Settings for the BKPF-300/301/350/351

BKPF-300					×
ID: 3 Dev	/ice:	Description:			
Unit Location Source: 1	Destinati	ion: 1=	Leve	: 1 <b>•</b>	<u>R</u> eload E <u>x</u> it
Destination Form	mat: 4:2:2		Status	Table	From Device To Device

**Destination Format:** Select a Destination Format from the pulldown menu. The selectable format is 4:2:2, 4fsc 525 or 4fsc 625.

There is no specific setting item for the BKPF-301/350/351. See "4-3-1 Setting Items Common to All Devices" and "4-3-2 Setting Items Common to the BKDS/BKPF/BVS/DVS/HDS Series."

## 4-3-6 Settings for the BVS-A3232 and BVS-V3232

There is no specific setting item for the BVS-V3232/A3232. See "4-3-1 Setting Items Common to All Devices" and "4-3-2 Setting Items Common to the BKDS/BKPF/BVS/DVS/HDS Series."

## 4-3-7 Settings for the DVS-128



Switching Field A/B: Assign timing for switching signals.

**ASYNC:** Signals are switched at the point where the switching command is received.

**ODD:** Signals are switched at the beginning of the first odd field immediately after the switching command is received.

**EVEN:** Signals are switched at the beginning of the first even field immediately after the switching command is received.

**FIELD:** Signals are switched at the beginning of the first field immediately after the switching command is received.

## 4-3-8 Settings for the DVS-A3232 and DVS-TC3232

See "4-3-1 Setting Items Common to All Devices" and "4-3-2 Setting Items Common to the BKDS/BKPF/BVS/DVS/HDS Series."

## 4-3-9 Settings for the DVS-RS1616

DVS-RS1616							×
ID: 6	Device:		D	escription:			
- Unit Locatio Source:	on 1- 16	] [	)estination:	1- 16	•	Level: 1 💌	<u>R</u> eload E <u>x</u> it
Operation M	Node C 32 x	32			Status	Table	From Device To Device
-Connection: Input:	S Divertien		Output:	Divertion			
1 2 3 4 5 6 7 8 9	Slave Slave Slave Slave Slave Slave Slave Slave Slave		1 2 3 4 5 6 7 8 9 9	Slave Slave Slave Slave Slave Slave Slave Slave Slave		Direction © Master © Slave	

**Operation Mode:** Select either  $16 \times 16$  mode or  $32 \times 32$  mode according to the setting of the DIP switch of the DVS-RS1616 main unit.

**Connections:** Select either Master or Slave for each Input or Output terminal. Double-click on any line you wish to change between Master and Slave. To specify Master or Slave for several lines, select the desired lines on the list, then click on either of the option buttons in the Direction group box to place a black dot inside.

## 4-3-10 Settings for the DVS-V1616



**Signal Format:** The signal formats for Sources and Destinations are displayed by channel. No setting is allowed.

# 4-3-11 Settings for the DVS-V3232, DVS-V3232B, DVS-V3232M, DVS-V6464, DVS-V6464B, and DVS-V6464M

DVS-V6464B			×
ID: 14 Device:	Description:		
Unit Location	Destination 1	Level 1 I	<u>R</u> eload
Source:	Destination:		E <u>×</u> it
	Status	Table	From Device
Switching Field: ASYNC	▼		To Device
Signal Format			
Source Formats:	Destination Formats:	-	
Input Format	Output Format		
1-8 4:2:2	1-8 4:2:2		
9-16 4:2:2	9-10 4:2:2 17-24 4:2:2		
25-32 4:2:2	25-32 4:2:2		
33-40 4:2:2	33-40 4:2:2	- Format	
41-48 4:2:2	41-48 4:2:2	C 4:2:2	
49-56 4:2:2	49-56 4:2:2	C 4fsc 525	
57-64 4:2:2	57-64 4:2:2	C 4fsc 625	
1			

Switching Field: Assign timing for switching signals.

**ASYNC:** Signals are switched at the point where the switching command is received.

**ODD:** Signals are switched at the beginning of the first odd field immediately after the switching command is received.

**EVEN:** Signals are switched at the beginning of the first even field immediately after the switching command is received.

**FIELD:** Signals are switched at the beginning of the first field immediately after the switching command is received.

#### Note

This setting item is not available for the DVS-V3232/V6464.

**Signal Format:** The signal formats for Sources and Destinations can be assigned in units of 8 channels.

On the Source Formats or Destination Formats list, double-click on the line you wish to change. The Format changes cyclically among 4:2:2, 4fsc 525 and 4fsc 625. To specify the same format for several lines, select the desired lines on the list, then click on any desired option button in the Format group box to place a black dot inside.

#### Note

This setting item is not available for the DVS-V3232M/V6464M.

## 4-3-12 Settings for the HDS-X3400, HDS-X3600, and HDS-X3700

HDS-X3700						×
ID: 7 Device:		)escri	ption:			
Unit Location	Destination		1 🚍	Leve	el: 1 💌	<u>R</u> eload E <u>x</u> it
Switching Field A: AS	SYNC 💌		E	Status	Table	From Device
Switching Field B: AS	SYNC 💌					To Device
Reference Selection:	Output 1 - 32 Output 33 - 64 Output 65 - 96 Output 97 -128	A 0 0 0 0	BCCCC			

Switching Field A/B: Assign timing for switching signals.

**ASYNC:** Signals are switched at the point where the switching command is received.

**ODD:** Signals are switched at the beginning of the first odd field immediately after the switching command is received.

**EVEN:** Signals are switched at the beginning of the first even field immediately after the switching command is received.

**FIELD:** Signals are switched at the beginning of the first field immediately after the switching command is received.

**Reference Selection A/B:** A reference signal to switch the crosspoint is selected.

#### Note

The selectable range is limited, depending on the model.

## 4-3-13 Settings for the HDS-X5800

Refer to "SYSTEM SETUP MANUAL" for the HDS-X5800.

## Partition page

DS-X5800	×
ID: 1 Device: Description:	
Unit Location- Source: 1 Destination: 1 Level: 1 V Status Table	Reload Exit From Device
Partition       Reference       Switching       Alarm       Cascade       Equalize       Reclock         From       To       Size         Destination Partition 1:       1       100       272         Destination Partition 2:        -       272         Destination Partition 3:	10 Device

**Destination Partition 1/2/3:** Divide the Destination into two or three blocks. The Routing Switcher System always uses Destination Partition 1, and the other blocks are used for an expanded matrix such as an MVS-8000 switcher.

#### **Reference page**

HDS-X5800												×
ID: 1 D	evic	e: [				Descr	ription:	Г				
Unit Location	1	i i		Des	tination:		1 _	[	Leve	el: 1	•	<u>R</u> eload E <u>x</u> it
								S	Status		Fable	From Device
												To Device
Partition Re	efere	nce	)s	vitchi	ng   Alar	m   C	)ascad	e   E	qualize	Reclo	ock	1
1-17	<u> </u>	В	-									
18-34	Ŷ				- 10							
35-51	x				———————————————————————————————————————							
52-68	x				_							
59-85	x											
86-102	x											
103-119	x				<b>•</b>							

The Reference to be used is to be selected from among A, B, C, or D for each of the 17 outputs.

#### Switcher page

HDS-X5800
ID: 1 Device: Description:
Unit Location Source: 1 Destination: 1 Level: 1 T Exit
Status Table From Device
To Device
Partition Reference Switching Alarm Cascade Equalize Reclock
Timing Details
Reference A: ASYNC  Manu
Reference B: ODD 💌 Manu
Reference C: EVEN 💌 Manu Line: Auto 😴 Auto Delay: 30usec 💌
Reference D: FIELD 💌 Manu Line: 1125 😴 Auto Delay: Auto 💌

Settings for switching fields, or other details for each Reference A, B, C or D can be made.

Timing: Specify a field for switching a signal.

**ASYNC:** A signal is switched upon receipt of a switching command. **ODD:** A signal is switched at the top of the odd field just after a switching command is received.

**EVEN:** A signal is switched at the top of the even field just after a switching command is received.

**FIELD:** A signal is switched at the top of the field after a switching command is received.

**Details:** Specify the line number for switching a signal, or delay time from the starting point of the line.

Manu: Line and Delay can be specified when pressed.

**Line:** The line number for switching a signal can be specified from 0 to 1125. When you click the Auto button, automatic selection is set. **Delay:** The time delay from the starting point of the line for switching

a signal can be selected from among 30  $\mu$ s, 15  $\mu$ s, 10  $\mu$ s, and Auto.

## Alarm page

1 Device:			De	escri	iptio	n:				_			
nit Location ource: 1	Destir	natio	in:	<u> </u>	1	- -		Lev	el:	1	•		<u>R</u> eload E <u>x</u> it
							Stat	us		Т	able		From Dev
												1	
'artition   Reference   Swit	ching	A	larm	]0	asca	ade	Equa	alize	ÌR	eclo	ck		To Devi
'artition   Reference   Swit	ching	A	larm	)c	asca	ade	Equa	alize	R	eclo	ck		To Devi
'artition   Reference   Swit Error Contents	ching	A	larm	) C	asca	ade 6	Equa	alize	R	eclo	ck		To Devi
'artition   Reference   Swit Error Contents Sync Singal	ching	A	larm 3 ×	)C	asca 5 ×	ade 6	Equa	alize	Ì R	eclo	ck ]		To Devi
lartition   Reference   Swit Error Contents Sync Singal Control	ching	A	larm 3 ×	) C 4 ×	asca 5 × ×	ade 6	Equa	alize	R	eclo	ck		To Devi
Partition   Reference   Swit Error Contents Sync Singal Control Power Supply A	ching 1 ×	A	larm 3 ×	C   4   X   X	asca 5 × × ×	ade 6	Equa	alize	R	eclo	ck ]		To Devi
Partition   Reference   Swit Error Contents Sync Singal Control Power Supply A Power Supply B	ching	2 2 ×	larm 3 ×	C   4   X   X   X	asca 5 × × × ×	ede 6	Equa	alize		eclo	ck		
Partition Reference Swit Error Contents Sync Singal Control Power Supply A Power Supply B Battery Backup	ching	A	larm	4 × × × ×	asca 5 × × × ×	ade 6	Equa	alize	R	eclo	ck ]		
Partition Reference Swit Error Contents Sync Singal Control Power Supply A Power Supply B Battery Backup Crosspoint	ching 1 ×	2 ×	larm	C 4 × × × × ×	asca 5 × × × × × ×	6	Equa	alize	R		ck		

**Error Contents:** Select error contents from among 12 items such as Sync Signal, and specify them for each alarm output of up to six lines.

**Output Logic:** Specify the output logic for each alarm output. No check mark specifies LOW active.

Cascade p	bage
-----------	------

HDS-X5800	×
ID: 1 Device: Description:	
Unit Location Source: 1 Destination: 1 Level: 1 Status Status Table	<u>R</u> eload E <u>x</u> it From Device To Device
Partition   Reference   Switching   Alarm   Cascade   Equalize   Reclock	
Format Input Format Input	
143Mbps: Cascade - Cascade 540Mbps: Cascade - Cascade	
177Mbps: Cascade 🕂 Cascade 1.5Gbps: 264 🕂 Cascade	
270Mbps: 262 🛨 Cascade DVB-ASI: Cascade 🛨 Cascade	
360Mbps: 263 🛨 Cascade Bypass: Cascade 🛨 Cascade	
No Equipment Slot:	3 💌

Settings for the cascade connections can be made.

- **Source:** This system uses a dummy signal to obtain a stable output signal upon switching a crosspoint. Specify the input connector number to which the dummy signal is to be entered. When you click the Cascade button, a cascade input is specified.
- **No Equipment Slot:** Specify the number of the lowest-numbered slot where an output matrix board has been installed but no corresponding cascade input board has been installed. Specifying "0" means that the same number of output matrix boards and cascade input boards have been installed.

#### Equalizer page

HDS-X5800					×
ID: 1 Dev	vice:		Description:		
Unit Location –	1	Destination:		Level: 1	e From Device
Partition Refe	erence   Swi	itching Alar	m   Cascade	Equalize Reclock	
1-8	-//				
9-17	X				
18-25					
26-33	×				
34-41	×				
42-50					

**Bypass:** Specify whether to equalize the input signals on the input connector board applicable to multiple bit rates in units of 8 or 9 inputs.

**Not checked:** Automatic equalizing circuit enabled **Checked:** Signal bypassing the equalizing circuit

## **Reclock page**

1       Device:       Description:         nit Location       Image: Construction       Image: Construction         purce:       1 mm       Destination:       1 mm         Status       Table       From Device         Status       Table       From Device         artition       Reference       Switching       Alarm         Cascade       Equalize       Reclock         Output       Signal       Bypass       Image: Construction         1-8       DVB-ASI       Image: Construction       Image: Construction         9-17       SMPTE       X       Image: Construction         18-25       DVB-ASI       Image: Construction       Image: Construction         26-34       SMPTE       Image: Construction       Image: Construction         35-42       SMPTE       Image: Construction       Image: Construction         43-51       SMPTE       Image: Construction       Image: Construction	-X5800								
nit Location purce: 1  Destination: 1  Level: 1  Exit Status Table From Devic To Devic artition Reference Switching Alarm Cascade Equalize Reclock Output Signal Bypass 1-8 DVB-ASI 9-17 SMPTE × 18-25 DVB-ASI 26-34 SMPTE × 43-51 SMPTE × 43-51 SMPTE ×	1 1	Device:		Description	n:				
Status     Table     From Devi       artition     Reference     Switching     Alarm     Cascade     Equalize     Reclock       Output     Signal     Bypass     •       1-8     DVB-ASI     •       9-17     SMPTE     ×       18-25     DVB-ASI     •       26-34     SMPTE     •       35-42     SMPTE     •       43-51     SMPTE     •	nit Locatio purce:	n	Destinatio	on: 1		Level:	1 💌		<u>R</u> eload E <u>x</u> it
Output       Signal       Bypass       Alarm       Cascade       Equalize       Reclock         Output       Signal       Bypass       Alarm       Alarm       Cascade       Equalize       Reclock         1-8       DVB-ASI       Image: Signal and the second and the sec					Stat	us	Table		From Devi
Output       Signal       Bypass       Image: Constraint of the second								_ i	To Douio
Alarm     Cascade     Equalize     Reclock       Output     Signal     Bypass     Image: Cascade     Equalize     Reclock       1-8     DVB-ASI     Image: Cascade     Image: Cascade     Image: Cascade     Image: Cascade       9-17     SMPTE     X     Image: Cascade     Image: Cascade     Image: Cascade     Image: Cascade       9-17     SMPTE     X     Image: Cascade     Image: Cascade     Image: Cascade     Image: Cascade       9-17     SMPTE     X     Image: Cascade     Image: Cascade     Image: Cascade     Image: Cascade       9-17     SMPTE     X     Image: Cascade     Image: Cascade     Image: Cascade     Image: Cascade       18-25     DVB-ASI     Image: Cascade     Image: Cascade     Image: Cascade     Image: Cascade       26-34     SMPTE     X     Image: Cascade     Image: Cascade     Image: Cascade       35-42     SMPTE     X     Image: Cascade     Image: Cascade     Image: Cascade       43-51     SMPTE     X     Image: Cascade     Image: Cascade									TO DEVIC
Output     Signal     Bypass       1-8     DVB-ASI								-	TO Devic
Output     Signal     Bypass       1-8     DVB-ASI     Image: Constraint of the system of the s	artition   F	Reference   S	witching A	larm   Casca	ide   Equa	alize Ra	eclock		TO Devic
1-8     DVB-ASI     ■       9-17     SMPTE     ×     ■       18-25     DVB-ASI     ■       26-34     SMPTE     ■       35-42     SMPTE     ×       43-51     SMPTE     ■	artition   F	Reference   S	witching   A	larm   Casca	ide   Equa	alize Ra	eclock		10 Devic
9-17         SMPTE         ×         Image: Constraint of the symbol of the s	artition   F	Reference   S   Signal	witching A	larm Casca	ide   Equa	alize Ra	eclock		10 Devic
18-25     DVB-ASI	artition F Output 1-8	Reference S Signal DVB-ASI	witching A	larm Casca	ide   Equa	alize Rø	eclock		10 Devic
26-34 SMPTE 35-42 SMPTE × 43-51 SMPTE▼	Output 1-8 9-17	Reference S Signal DVB-ASI SMPTE	witching A Bypass	larm Casca	ide   Equa	alize Rø	eclock		10 Devic
35-42 SMPTE × 43-51 SMPTE ▼	Output 1-8 9-17 18-25	&ference S Signal DVB-ASI SMPTE DVB-ASI	witching A Bypass X	larm Casca	ide   Equa	alize R	eclock		
43-51 SMPTE	Output 1-8 9-17 18-25 26-34	Reference Signal DVB-ASI SMPTE DVB-ASI SMPTE SMPTE	witching A	larm Casca	ide   Equa	alize Re	eclock		10 Devic
	Output 1-8 9-17 18-25 26-34 35-42	Reference Signal DVB-ASI SMPTE DVB-ASI SMPTE SMPTE SMPTE	witching A Bypass X X	larm   Casca	ide   Equa	alize Rø	eclock		
	Output 1-8 9-17 18-25 26-34 35-42 43-51	Reference Signal DVB-ASI SMPTE DVB-ASI SMPTE SMPTE SMPTE SMPTE	witching A Bypass X X	larm   Casca	ide   Equa	alize R	eclock		10 Devic
	Output 1-8 9-17 18-25 26-34 35-42 43-51	Reference Signal DVB-ASI SMPTE DVB-ASI SMPTE SMPTE SMPTE SMPTE	witching A Bypass X X X	larm Casca	ide   Equa	alize R	eclock		

Settings for reclocking the output signals on the matrix board applicable to multiple bit rates can be made.

**Signal:** Specify the standards for locking the relocking circuit in units of 8 or 9 outputs.

**SMPTE:** The SMPTE standards are used to lock the reclocking circuit.

**DVB-ASI:** The DVB-ASI standards are used to lock the reclocking circuit.

**Bypass:** Specify whether the output signals are to be reclocked or not in units of 8 or 9 inputs.

Not checked: Reclocked signal actually output Checked: Output signals not realooked

Checked: Output signals not reclocked

## 4-3-14 Settings for the HKSP-061M



- **ID** (**Expand**): Specify S-BUS ID for the paired HKSP-061M when two HKSP-061Ms are used for expanding the number of crosspoints.
- **Destination (Expand):** Specify Destination for the Unit Location of the paired HKSP-061M when two HKSP-061M are used for expanding the number of crosspoints.
- **Reference (A or B):** Select the reference for switching crosspoint. **Reclock Bypass:** Specify whether to reclock the output signals or not in units of 4 outputs.
- Switching Field: Specify a field for switching a signal.
  - **ASYNC:** A signal is switched upon receipt of a switching command. **ODD:** A signal is switched at the top of the odd field just after a switching command is received.
  - **EVEN:** A signal is switched at the top of the even field just after a switching command is received.
  - **FIELD:** A signal is switched at the top of the field just after a switching command is received.
- **Details:** Specify the line number for switching a signal, or delay time from the starting point of the line.
- Manu: Line and Delay can be specified when pressed.
- **Line:** The line number for switching a signal can be specified from 0 to 1125. When you click the Auto button, automatic selection is set.
- **Delay:** The time delay from the starting point of the line for switching a signal can be selected from among  $30 \ \mu s$ ,  $15 \ \mu s$ ,  $10 \ \mu s$ , and Auto.

## 4-3-15 Setting Items Common to Control Panels

For setting items common to all devices, see "4-3-1 Setting Items Common to All Devices."

Items common to control panels							
Items common to	o all models						
Items depending on each model	Levels     Destination:     Assign ▼       ♥ 1     OUT001     Tools ▼       ♥ 2     ♥ 3     Delete       ♥ 4     ♥ 5     ▼						

**Levels:** Select the level to be controlled from the control panel. No setting is allowed for some devices as shown below.

Model name	Setting status	Remarks
BKS-R1601/R3203/R3204	Only displaying settings	Set with the switch on the rear panel
BKS-R3202/R3205/R3206	No display	Set from the panel operation dynamically
Others	Setting allowed	

**Destination:** Specify a Destination to be controlled from the control panel.

Drag and drop a Destination selected from the Destination list of Assign from Button Selections. This functions only when all buttons are assigned to Source.

For the BKS-R3240A series, setting is always enabled. For a unit other than a BKS-R1601/R-3202/R3203, BKS-R3204/ R3205/R3206, or BKS-R1607/R1608/R3209/R3210, the settings for Destination is on the Panel page for the items depending on each model.

Delete Button button: Select a button name and click this button. The selected button name is deleted, and the indication becomes "....." on the button.
#### Assign button

Assgin 🛨
from Button Selections
from Panel Prototypes
from Permitted Users

#### from Button Selections:

Assign from Button Selections 🛛 🔀								
Source:	Destination:	Phantom:	Special:					
Source	<ul> <li>Destination</li> </ul>	A Phantom	Source					
🔛 IN001	💻 🎛 ОПДО1	PHAN000	TAKE					
🔛 IN002	🗱 OUT002	PHAN001						
🔛 IN003	🗱 OUT003	PHAN002						
👪 IN004	CUT004	PHAN003	LVL3					
👪 IN005	🗱 OUT005							
👪 IN006	CUT006							
👪 IN007	🔀 OUT007							
👪 IN008	CUT008							
1N009	🗾 🔡 ОUT009		E <u>x</u> it					

You can select a desired Source, Destination, Phantom or Special (special button) from the corresponding list in the Assign from Button Selection dialog box, and drag and drop it into the Destination: mentioned before or the corresponding terminal name setting box (shown below).

You can also specify a terminal name by selecting a terminal name setting box and double-clicking on the desired line on the list of the Assign from the Button Selection dialog box.



Block-attribute indicator for the buttons (background color for the terminal name setting boxes) Green for Sources and orange for Destinations Items that you can drag and drop from the Assign from Button Selection dialog box to a terminal name setting box for each control panel are as shown in the table below.

Model name	Source	Destination	Phantom	Special
BKS-R1601/R3203	Yes	No	Yes	No
BKS-R3202	No	No	No	No
BKS-R3204/R3205/R1607/R1608/ R3209/R3240A/R3242A/R3248A	Yes	Yes	Yes	No
BKS-R3206	Yes <sup>a)</sup>	Yes	Yes <sup>a)</sup>	No
BKS-R3210	Yes <sup>a)</sup>	Yes <sup>a)</sup>	Yes <sup>a)</sup>	No
BKS-R1617/R1618/R1621/ R3216/R3219	Yes	Yes	Yes	Yes
BKS-R3220	Yes <sup>a)</sup>	Yes <sup>a)</sup>	Yes <sup>a)</sup>	Yes <sup>a)</sup>

a)in Direct Selection only

#### from Panel Prototypes:

Assign from Panel Prototype	S	×
Button Assignments:          No.       Description         Image: Constraint of the second s	Available Destinations:          No.       Description         Image: Construction of the second se	<u>Q</u> K <u>C</u> ancel
Selectable Sources:          No.       Description         Image: Constraint of the second s	Routes:          No.       Description         Image: Construction (None)         Image: Constructine)	

Setting data of the Prototypes for Panels can be selected and set.

## from Permitted Users:

ssign from Permitted U	sers	×
Users:		
User	Description	<u></u> K
Administrator		Cancal
🔲 Guest		
user 🗌		
Button Assignments:	Routs:	
No. Description	<u>No.</u> De	escription
✓ 1 Assign1		outes1

The setting data of the prototypes permitted for use by the registered users can be copied.

#### Tool button:



#### **Edit Phantom:**

🕙 Edit Phantom	
	<u>∠</u>
Phantom Groups:	Phantom Crosspoints:
Name Nu Description	Source Destination 1 2 3 4 5 6 7 8
👬 IN001 3	🚟 IN001 🚟 OUT001 x x x x x x x x x
1 IN001 3	🔠 IN002 🔛 OUT002 x x x x x x x x x
	🔠 IN003 🔛 OUT003 x x x x x x x x x
Qopy from Prototypes	Phantom Crosspoint Selection
Type:     Number:     Description:       0:IN     Image: Constraint of the second s	1002     1002     1002     1002       1002     1002     1002     1002       1003     1004     1007     1006       1006     10070     1006       1006     10070     1007       1008     100007     1007       1008     100008     100007

Local Phantom settings can be edited.

You can copy setting data for a prototype already created by clicking on the Copy from Prototypes button.

#### **Edit Details:**

Edit Details												×
-Selection	s					Avai	ilable [	)estina	tions:	Γ	E×	it
Source       Destination         IN001       OUT001         IN002       OUT002         IN003       OUT002         IN004       OUT003         OUT005       OUT004         OUT006       OUT005         IN006       OUT006         OUT007       OUT006         OUT007       OUT007         IN007       IN006         OUT007       IN006         OUT007       IN006												
No	Route Destin	Source	Destination	1	2	3	4	5	6	7	8	
1	OUT002	IN002	OUT022	X	X	X	X	X	X	X	X	
2	OUT003	IN002	OUT023	x	x	x	x	x	x	x	x	
3	OUT004	IN005	OUT006	x	х	х	x	x	x	x	х	
4	OUT006 🔽			x	x	x	x	x	x	x	x	
5				x	х	х	x	×	х	x	х	
6				x	х	х	х	x	х	x	х	
7				X	х	х	x	×	х	×	х	-
		DST+	Offset:	0 🚔								

Operation

Settings for an Available Destinations, Selectable Sources, Routes, and its DST+ and Offset can be made.

Select a Source or Destination from the list in Selections, and drag and drop it onto the corresponding list. A Source or Destination can also be selected by clicking on a desired box of any list to display the pulldown menu for selection.

Items that can be set depend on the devices as shown in the table below.

Model name	Available Destinations	Route	DST+ & Offset	Selectable Sources
BKS-R1601/R3202 /R3203/R3204 /R3205/R3206	Yes	No	No	No
BKS-R1607/R1608 /R3209/R3210	Yes	Yes	No	Yes
BKS-R1617/R1618 /R1621/R3216 /R3219/R3220	Yes	Yes	Yes	Yes

For the BKS-R3240A/R3242A/R3248A that are not listed in the table above, GPIO Table, and Available Sources are added to, but Selectable Sources is deleted from the display as shown below.

Edit Details			×
Selections	Available Sources:	Available Destinations:	E <u>x</u> it
Source         Destination           IN001         IN002           IN002         OUT001           IN003         IN003           IN004         IN005           IN005         OUT004           IN006         OUT006           IN007         OUT007           IN007         OUT007           IN007         OUT007	Sources IN001 IN002 IN002 IN004 IN005 IN006 IN006 Available	Destinati.         ▲           ♥ OUT001         ♥ OUT002           ♥ OUT003         ♥ OUT004           ♥ OUT004         ♥ OUT005           ♥ OUT005         ♥ OUT006           ♥ OUT007         ♥	
No.         Source         Destination         Mod           1         IN001         OUT001         On           2         IN002         OUT002         On           3         IN003         OUT002         On           4         5         6         6           7         8         6         6	de Air Tally Air Tally Y Tally Y Tally Y	Tally Mode C None C On Air Tally C Preset Tally C Record Tally C Entry Tally C Switch w/Tally	

#### **Copy from Station/Copy to Station:**



You can read the setting data from other panel (Copy from) or write them to (Copy to) another panel.

#### **Copy to New Prototypes:**



You can register the setting data as a new prototype in the Prototypes for Panels dialog box.

The selected setting page of the Prototypes for Panels dialog box is displayed. Complete the necessary operation.

#### **Daughters:**

If the target control panel is set to Mother, the corresponding Daughter list appears.

#### **Status:**

Device name and firmware version are displayed. This functions only in the online operation.

#### Table:

Table data of the device is displayed. This functions only in the online operation.

## 4-3-16 Settings for the BKS-R1601/R3202/R3203

All setting items are described in "4-3-1 Setting Items Common to All Devices" and "4-3-15 Setting Items Common to Control Panels."

BKS-R3203			×
ID: 14 Device:	Description:	Destination: OUT001 To Delete Button	ign ♥ E <u>x</u> it ols ♥ From Device To Device
1:         2:         3:           IN001         IN002         IN003	4: 5: IN004 IN005 12: 13: IN012 IN013	6: 7: IN006 IN007 14: 15: IN014 IN015	8: IN008  16: IN016  V

The number of buttons differs between the BKS-R1601 and BKS-R3203. Only Sources are assigned to the buttons.

The BKS-R3202 has no button settings, and the Type names assigned to the buttons are shown as follows:

BKS-R3202						×
ID: 20 Device:	De	scription:				<u>R</u> eload
					Assign 👻	E <u>×</u> it
					Tools 🔻	From Device
						To Device
1: 2:	3:	4:	5:	6:	7:	8:
л опт	CAM	VTR	MONI	SAT	PNT	PHAN
9: 10:	11:	12:	13:	14:	15:	16:
SS MIC	СВ					

## 4-3-17 Setting for the BKS-R3204/R3205/R3206

Di       21       Device:       Description:       Reload         Panel Mode          Destination:       Assign ▼       Exit         Stand Alone ▼       Block:       ✓       Mother ID:       ✓       1       OUT001       To ols ▼       From Device         ✓       2       ✓       3       ✓       Delete       Button       To Device         ✓       4       ✓       ✓       ✓       ✓       ✓       ✓       ✓         1:       2:       3:       4:       5:       6:       7:       8:       ✓         1:       2:       3:       4:       5:       6:       7:       8:       ✓         1:       0:       IN003       IN004       IN005       IN006       IN007       IN008         1:       0:       11:       12:       13:       14:       15:       16:         0:       10:       11:       12:       13:       14:       15:       16:         0:       0:       0:       0:       0:       0:       0:       0:       0:	3KS-R3204							<u>×</u>
Stand Alone       Block:       Mother ID:       Image: Constraint of the standard standar	ID: 21 Panel Mode -	Device:		Description:	Levels	Destination	i: Assian 🗨	<u>R</u> eload Exit
3       Delete         9:       10:         11:       12:         12:       13:         14:       15:         15:       16:         16:       11:         17:       12:         18:       14:         19:       10:         11:       12:         12:       13:         14:       15:         15:       16:         10:       11:         11:       12:         12:       13:         14:       15:         15:       16:         10:       11:         12:       13:         14:       15:         15:       16:         10:       11:         10:       11:         10:       11:         10:       11:         10:       0UT003         0UT005       0UT006         0UT007       0UT008	Stand Alone	Block:	Mothe	er ID:	☑1 ☑2			From Device
					☑ 3 ☑ 4 ☑ 5	Button		To Device
1:       2:       3:       4:       5:       6:       7:       8:         IN001       IN002       IN003       IN004       IN005       IN006       IN007       IN008         ************************************								
1:       2:       3:       4:       5:       6:       7:       8:         IN001       IN002       IN003       IN004       IN005       IN006       IN007       IN008         ************************************								
I:         2:         3:         4:         5:         6:         7:         8:           IN001         IN002         IN003         IN004         IN005         IN006         IN007         IN008           IIII         III:         12:         13:         14:         15:         16:           OUT001         OUT002         OUT003         OUT004         OUT005         OUT006         OUT008								-
1:       2:       3:       4:       5:       6:       7:       8:         IN001       IN02       IN03       IN04       IN05       IN06       IN07       IN08         ************************************								_
9:         10:         11:         12:         13:         14:         15:         16:           OUT001         OUT002         OUT003         OUT004         OUT005         OUT006         OUT007         OUT008	1: [IN001	2: IN002	3: IN003	4: IN004	5: IN005	6: IN006	7: IN007	8: IN008
9: 10: 11: 12: 13: 14: 15: 16: OUT001 OUT002 OUT003 OUT004 OUT005 OUT006 OUT007 OUT008								
	9:	10:	11:	12:	13: OUT005	14:	15: OUT007	16:
		001002	001003	001004	Joorna	001006	Journal	 ▼

Almost all of setting items are described in "4-3-1 Setting Items Common to All Devices" and "4-3-15 Setting Items Common to Control Panels."

The setting items of the BZR-2000 are the same for the BKS-R3204 and BKS-R3205. However, the BKS-R3205 does not display the level. You can make settings on 32 buttons of the BKS-R3204 and BKS-R3205, and on 16 buttons of the BKS-R3206 in Direct Select mode.

#### Note

Setting of Sources and Destinations must be made in units of 8 buttons because of the hardware construction. For example, buttons 1 to 8 and 17 to 24 are set to Sources, and buttons 9 to 16 and 25 to 32 are set to Destinations. If button 1 is set to Source and buttons 2 and 3 are set to Destination, the BKS-R3204/R3205/R3206 cannot operate correctly.

**Panel Mode:** Select the panel mode from among Stand Alone, Mother and Daughter. The BKS-R3205 and BKS-R3206 cannot be set to Daughter.

**Block:** Select the Block No. for the Mother unit and Daughter units (specifiable only when Mother is specified for the device). When Daughter is specified for a device, its Block No. is displayed.

**Mother ID:** Specified for the device, its Dioek No. is displayed. when Daughter is specified for the device). For the BKS-R3206, settings for 16 Destinations are added. Therefore setting item Destination: does not appear.

S-R3206							
D: 15	Device:		Description:				<u>R</u> eload
Panel Mode -						Assign	▼ E <u>×</u> it
Stand Alone	Block:	Motł	ier ID:			Tools	➡ From Device
	Panel	Layout: Direct	Select 💌	]	Delete Buttor	e n	To Device
Destinations		0.	A.	<b>F</b> :	6:	7.	0.
ОUT001	OUT002			000005	OUT006		
9:  OUT009			12: OUT012		14: OUT014		16: OUT016
=							
1: INO01	2:	3: ITN003	4: ITNO04	5: ITN005	6: ITN006	7: ITN007	8:
1		1	J	Janooo	Janeooo	Junioon	Janooo
=							
9:	10:	11:	12:	13:	14:	15:	16:
IN009	IN010	IN011	IN012	IN013	IN014	IN015	IN016

#### Panel Layout: (BKS-R3206 only)

Select either "Type + Number" or "Direct Select."

**Type + Number:** Source and Destination are specified with the type and number, and are switched with TAKE.

**Direct Select:** Source and Destination are directly specified and switched.

In Type + Number mode of the BKS-R3206, the Type names assigned to the buttons are shown as follows instead of the button settings:

3KS-R3206							×
ID: 15	Device:	D	escription:				<u>R</u> eload
- Panel Mode						Assign 👻	Exit
Stand Alone	Block:	Mother	ID:			Tools 🔻	From Device
	Panel La	ayout: Type + I	Number 💌		Delete Button		To Device
– Destinations –							
1: OUT001	2: OUT002	3: OUT003	4: OUT004	5: OUT005	6: OUT006		3: OUT008
9:	10:	11: IOUT011	12:	13: IOUT010	14:	15: 1 IOUT015	16:
1001009		Joololl	001012	1001013	001014		
=							
1:	2:	3:	4:	5:	6:	7: {	3:
IN	OUT	САМ	VTR	MONI	SAT	PNT	PHAN
=	=1						
9:	10:	11:	12:	13:	14:	15: 1	16:
SS	MIC	СВ					

## 4-3-18 Settings for the BKS-R1607/R1608/R3209/R3210

Some setting items are described in "4-3-1 Setting Items Common to All Devices" and "4-3-15 Setting Items Common to Control Panels." Use firmware version 2.03 or higher.

BKS-R1607							×
ID: 8	Device:	De	escription:				<u>R</u> eload
Panel Mode -				Levels	Destination:	Assign 👻	• E <u>x</u> it
Stand Alone	Block:	V Mother	ID:	<b>☑</b> 1 <b>☑</b> 2		Tools 🔻	From Device
Display Mode:	Status 💌	Protect Mode:	Normal 💌		Delete Button		To Device
Phantom Protec	et: Partial	💌 🔽 Ro	ute Change				
		Descri Name:	iption		.1		
Destination	Assignment	2+2 C	har 💌	ב ביות ביו			
1:	2:	3:	4:	5:	6:	7:	8:
INOOT	JIN002	JIN003	JIN004	JINOOS	IN006	JIN007	INOO8
	<b>_</b>						
9:	10:	11:	12:	13:	14:	15:	16:
				The second second	law on the second secon	The second second	
IN009	IN010	IN011	JIN012	JIN013	JIN014	JIN015	IN016

The setting items of the BZR-2000 are the same for the BKS-R1607, BKS-R1608, and BKS-R3209, excluding the items only for the BKS-R1607. You can make settings on 16 buttons of the BKS-1607, BKS-R1608, and BKS-R3210 in Direct Select mode, and on 32 buttons of the BKS-R3209.

**Panel Mode:** Select the panel mode from among Stand Alone, Mother and Daughter.

**Block:** Select the Block No. for the Mother unit and Daughter units (specifiable only when Mother is specified for the device). When daughter is specified for a device, its Block No. is displayed. **Mother ID:** Specify the Mother ID of the station (specifiable only when daughter is specified for the device).

**Display Mode:** Select whether the buttons on the control panel are to be lit to indicate crosspoint status or whether the pressed buttons are to be lit.

Status: To indicate crosspoint status

**Prompt:** To indicate the pressed button

Protect mode: Select whether the Protect setting is to be ignored or not.Normal: The Protect setting is NOT ignored.On Air: The Protect setting is ignored.

**Phantom Protect:** Select the behavior of Phantom toward protected Destinations.

**Partial:** Switching of only signals of Phantom that are not protected is enabled.

**Full:** Switching of all signals of Phantom is disabled if some of them are protected.

**Button Link:** If the protect button is set to ON, switching of all signals of Phantom is disabled.

Route Change: Select the availability of the Route Change function.Enable (checked): Route Change function is enabled.Disable (not checked): Route Change function is disabled.

#### **Destination Assignment:** (BKS-R1607 only)

Specify whether modification of Destinations on the control panel is to be permitted or not. **Enable (checked):** Modification of Destinations is enabled.

Disable (not checked): Modification of Destinations is disabled.

#### **Description Name:** (BKS-R1607 only)

Select a method for how to abbreviate a 16-character Description Name in 4-digit display.

2+2 Char: The first two and last two characters are displayed.

**4 Char:** The first four characters are displayed.

The BKS-R3210 has two operation modes.

BKS-R3210	×
ID: 9 Device: Description:	<u>R</u> eload
Panel Mode Destination: Assign	Exit
	From Device
Display Mode: Status Protect Mode: Normal V 3 Button	To Device
Prantom Protect: Partial V Route Change 2 5	
IN001 IN002 IN003 IN004 IN005 IN006 IN007 IN	1008
<b>9</b> 10 11 12 13 14 15 16	
IN009 IN010 IN011 IN012 IN013 IN014 IN015 IN	1016

#### Panel Layout: (BKS-R3210 only)

Select either "Type + Number" or "Direct Select."

**Type + Number:** Source and Destination are specified with the type and number, and are switched with TAKE.

**Direct Select:** Source and Destination are directly specified and switched.

Level mode: (BKS-R3210 only)

Select Level change mode when the TAKE button is pressed. Single: Single select mode Multiple: Multiple select mode In Type + Number mode of the BKS-R3210, the Type names assigned to the buttons are shown as follows instead of the button settings.

3KS-R3210				×
ID: 9 Device:	Description:			<u>R</u> eload
Panel Mode Stand Alone  Block: Display Mode: Status Phantom Protect: Partial	Mother ID:	Levels 1 2 2 3 4 e 5 5		ssign   E <u>x</u> it Fools   From Device To Device
Panel Layout: Type + Number	Level Mode:	日 () () () () () () () () () ()		© 0-F C G-V
1:         2:           IN         OUT	3: 4:  CAM  VTR	5: MONI	6: 7: SAT PNT	8: PHAN
9: 10: SS MIC	11: 12: CB	13:	14: 15:	16:

**0-F/G-V:** (in Type + Number mode of the BKS-R3210 only) When Panel Layout is set to Type + Number, the first half and the latter half of the Type name indication are switched.

## 4-3-19 Settings for the BKS-R1617/R1618/R3219/R3220/R1621

Some setting items are described in "4-3-1 Setting Items Common to All Devices" and "4-3-15 Setting Items Common to Control Panels." Use firmware version 1.06 or higher.

3KS-R1617							×
ID: 6	Device:		Description:				<u>R</u> eload
Panel Func	tion Display   F	Protect   Monit	or Tally	Levels	•	Assign 🛪	✓ E <u>×</u> it
						Tools 🔻	From Device
Mode				ı IV2 1 IV3	Delete		To Device
Stand Alon	e <u>–</u> Block:	Mot	her ID:   📃 💆	4	Buttor		
		Destination:	OUT001				
				- I∎ 7	<b>*</b>		
1:	2:	3:	4:	5:	6:	7:	8:
IN001	JIN002	JIN003	JIN004	JIN005	JIN006	JIN007	IN008
OUT001	OUT002	OUT003	OUT004		OUT006	ОUT007	
o.	10	11.	12	19-	1.4.	15:	16
IN009	IN010	IN011	IN012	IN013	IN014	IN015	IN016
		0000011			011014		OUT016
	Jooinio	Jonan	1001012	pororo	1001014	Joonne	1001010

You can make settings on 16 buttons of the BKS-R1617, BKS-R1618, BKS-R3220 (in Button per Source mode), and BKS-R1621 and on 32 buttons of the BKS-R3219.

The BKS-R1607 and BKS-R1621 can use  $16 \times 16$  mode if you set both Source and Destination for each of the 16 buttons.

The setting items of the BZR-2000 are the same for the BKS-R1617, BKS-R1618, BKS-R3219, and BKS-R1621, excluding the items only for the BKS-R1617/R1621.

The setting items are each classified under one of six pages, such as "Panel."

#### Panel page

Mode: Select the panel mode from among Stand Alone, Mother and Daughter.Block: Select the Block No. for the Mother unit and Daughter units (specifiable only when Mother is specified for the device).When daughter is specified for a device, its Block No. is displayed.

**Mother ID:** Specify the Mother ID of the station (specifiable only when daughter is specified for the device).

#### Layout: (BKS-R3220 only)

Select either Type + Number or Button per Source.

**Type + Number:** Source and Destination are specified with the type and number, and are switched with TAKE.

**Button per Source:** Source and Destination are directly specified and switched.

#### **Function page**

#### Function: (except for the BKS-R3220)

Select the function mode of the control panel. **Normal:** Normal function

**4 Destinations:** Source selection for four Destinations

When 4 Destinations is selected, the control panel functions as four Source selection (or eight Source selection for the BKS-R3219) for four Destinations.

Four-block Destinations are specified to the displayed Destination setting boxes.



Operation

**Phantom Change:** You may specify the switching operation by Phantom. **Enable (checked):** Switching is done according to the Phantom setting.

Disabled (not checked): The Phantom setting is ignored.

Route Change: Select the availability of the Route Change function.Enable (checked): Route Change function is enabled.Disable (not checked): Route Change function is disabled.

#### Destination Assignment: (BKS-R1617/R1621 only)

Specify whether modification of Destinations on the control panel is to be permitted or not.

**Enable (checked):** Modification of Destinations is enabled. **Disable (not checked):** Modification of Destinations is disabled.

Level mode: (BKS-R3220 only)

Select Level change mode when the TAKE button is pressed. Single: Single select mode Multiple: Multiple select mode

Display page	
	<b>Display Mode:</b> Select whether the buttons on the control panel are to be lit to indicate crosspoint status or whether the pressed buttons are to be lit.
	<b>Status:</b> To indicate crosspoint status <b>Prompt:</b> To indicate the pressed button
	<b>Description Name:</b> (BKS-R1617/R1621/R3220 only) Select a method for how to abbreviate a 16-character Description Name in 4-digit display.
	<ul><li>2+2 Char: The first two and last two characters are displayed.</li><li>4 Char: The first four characters are displayed.</li></ul>
	Illumination Level: You may adjust the illumination level in eight steps.
Protect page	
	<ul> <li>Protect Mode: Select whether the Protect setting is to be ignored or not, and also whether the Protect setting is canceled or not.</li> <li>Normal: The Protect setting is NOT ignored, and NOT canceled.</li> <li>On Air: The Protect setting is ignored, and NOT canceled.</li> <li>Flexible: The Protect setting is NOT ignored, and canceled.</li> <li>Flex OA: The Protect setting is ignored, and canceled.</li> </ul>
	<ul> <li>Phantom Protect: Select the behavior of Phantom toward protected Destinations.</li> <li>Partial: Switching of only signals of Phantom that are not protected is enabled.</li> </ul>
	<ul><li>Full: Switching of all signals of Phantom is disabled if some of them are protected.</li><li>Button Link: If the protect button is set to ON, switching of all signals of Phantom is disabled.</li></ul>
Monitor page	
	<ul> <li>Signal Monitor: You may specify whether or not you want input and output of the routing switcher system monitored.</li> <li>Enable (checked): Monitor function is enabled.</li> <li>Disable (not checked): Monitor function is disabled.</li> </ul>
	<b>Destination:</b> To enable the signal monitor function, you may specify an output connector name assigned to "Monitor output" from among the outputs of the routing switcher system connected via the S-BUS.
	<b>Monitor Destination:</b> Automatic Source selection corresponding to the Destination set in "Destination:" on the Panel page is done linking with the Destination specified here.
4 74	<b>Monitor Source Offset:</b> You may specify the offset value of the source number to be switched to the source number of Monitor Destination within a range of 0 to 1023. If 0 is specified, the same Source is selected for the Monitor Destination; and Destination:

#### Tally page

**Tally Groups:** You may specify the settings for linking with the switcher tally. For linking with the BKDS-7700, only Group 1, 2, 3, and 4 are enabled.

## **Operation modes of the BKS-R3220**

BKS-R3220 ID: 10 Device: Description: <u>R</u>eload Panel Function Display Protect Monitor Tally Levels 🔺 Assign 🛨 E<u>×</u>it **1** Tools 🗸 From Device Mode Delete Button To Device Stand Alone 💌 Block: 💌 Mother ID: . ⊡5 ⊡6 Layout: Button per Source Destination: OUT001 **2**7 • ----5: IN005 8: IN008 6: IN006 2: IN002 IN007 0. IN003 IN004 **IN001** 12: IN012 13: IN013 10: 11: IN011 14: IN014 15: 16: IN016 IN010 IN015

In Type + Number mode of the BKS-R3220, the Type names assigned to the buttons are shown as follows instead of the button settings.

3KS-R3220			×
ID: 10 Device:	Description:		<u>R</u> eload
Panel Function Display Protect	Monitor Tally Levels	Ass	aign <del>↓</del> E <u>x</u> it
Mada		Te	ools 👻 🛛 From Device
Stand Alone Riock:	Mother ID:		To Device
Layout: Type + Number 💌			
		•	
		•	0-F CG-V
1: 2: 3:	4: 5:	6: 7:	8:
IN JOUT JCAM	IVTR IMONI	ISAT IPNT	PHAN
9: 10: 11:	12: 13:	14: 15:	16:
SS MIC CB			

**0-F/G-V:** (in Type + Number mode of the BKS-R3220 only) When Panel Layout is set to Type + Number, the first half and the latter half of the Type name indication are switched.

The BKS-R3220 has two operation modes.

Operation

## 4-3-20 Settings for the BKS-R3216

Some setting items are described in "4-3-1 Setting Items Common to All Devices" and "4-3-15 Setting Items Common to Control Panels." Use firmware version 1.06 or higher.

BKS-R3216						×
ID: 11 Device:	De	escription:				<u>R</u> eload
Panel Function Display	Protect   Monito	or Tally	Levels	-	Assign 🛪	✓ E <u>x</u> it
Mode Stand Alone 💌 Block: Layout: Button per Source	Mother	ID:	1 2 3 3 5 5 5 5 7	Delete Buttor	Tools	From Device To Device
Buttons     C Destination	ns					
=	3: IN003	4: IN004	5: IN005	6: IN006	7: IN007	8: IN008
=	15: IN015	16: IN016	17: IN017	18: IN018	19: IN019	20: IN020

You can make settings on 24 buttons in Button per Source mode of the BKS-R3216.

You may make settings for the 24 buttons of the BKS-R3216 (Button per Source mode).

If you select Destination with the Buttons/Destinations option buttons, you may make settings for the 16 buttons as shown below.

BKS-R3216				×
ID: 11 Device:	Description:			<u>R</u> eload
Panel Function Display Protect	Monitor Tally	Levels 🔺	Assign 🛨	E <u>x</u> it
- Mode			Tools 🔻	From Device
Stand Alone  Block:	Mother ID:	Delete		To Device
Layout: Button per Source Des	tination: OUT001			
		7 🖃		
🔿 Buttons 💿 Destinations				
1: 2: 3:	4:	5: 6:	7: 8:	
	T003 OUT004	OUT005 OUT006		JT008
0. 10. 11.	10.	10. 14.	15 16	
	T011 OUT012	OUT013 OUT014		JT016

The setting items are each classified under one of six pages, such as "Panel."

Panel page	
	<ul> <li>Mode: Select the panel mode from among Stand Alone, Mother and Daughter.</li> <li>Block: Select the Block No. for the Mother unit and Daughter units (specifiable only when Mother is specified for the device).</li> <li>When daughter is specified for a device, its Block No. is displayed.</li> <li>Mother ID: Specify the Mother ID of the station (specifiable only when daughter is specified for the device).</li> </ul>
	<ul> <li>Layout: Select the operation mode.</li> <li>Type + Number: Source and Destination are specified with the type and number, and are switched with TAKE.</li> <li>Keypad Entry: Description name is specified using the letters and figures assigned to the buttons, and switching is made with TAKE.</li> <li>Button per Source: Source and Destination are directly specified and switched.</li> </ul>
	<b>Destination:</b> See "4-3-15 Setting Items Common to Control Panels."
Function page	<ul> <li>Phantom Change: You may specify the switching operation by Phantom.</li> <li>Enable (checked): Switching is done according to the Phantom setting.</li> <li>Disabled (not checked): The Phantom setting is ignored.</li> <li>Route Change: Select the availability of the Route Change function.</li> <li>Enable (checked): Poute Change function is analyzed.</li> </ul>
	<b>Disable (not checked):</b> Route Change function is disabled.
	<ul> <li>Level mode: Select Level change mode when the TAKE button is pressed.</li> <li>Single: Single select mode</li> <li>Multiple: Multiple select mode</li> </ul>
	<ul> <li>Preset Take: (in Button per Source mode only)</li> <li>You may specify the operations for Source selection and TAKE button operation.</li> <li>Enable (checked): The source is displayed on the PRESET display when selected, and switched with TAKE.</li> <li>Disable (not checked): Switching is done linking with the source selection.</li> </ul>

Operation

Display page	
	<ul> <li>Display Mode: Select whether the buttons on the control panel are to be lit to indicate crosspoint status or whether the pressed buttons are to be lit.</li> <li>Status: To indicate crosspoint status</li> <li>Prompt: To indicate the pressed button</li> </ul>
	<ul> <li>Description Name: Select a method for how to abbreviate a 16-character Description Name in 4-digit display.</li> <li>2+2 Char: The first two and last two characters are displayed.</li> <li>4 Char: The first four characters are displayed.</li> <li>Normal: The first eight characters are displayed.</li> </ul>
	Illumination Level: You may adjust the illumination level in eight steps.
Protect page	
	<ul> <li>Protect mode: Select whether the Protect setting is to be ignored or not, and also whether the Protect setting is canceled or not.</li> <li>Normal: The Protect setting is NOT ignored, and NOT canceled.</li> <li>On Air: The Protect setting is ignored, and NOT canceled.</li> <li>Flexible: The Protect setting is NOT ignored, and canceled.</li> <li>Flex OA: The Protect setting is ignored, and canceled.</li> </ul>
	<b>Phantom Protect:</b> Select the behavior of Phantom toward protected Destinations.
	<b>Partial:</b> Switching of only signals of Phantom that are not protected is enabled.
	<ul><li>Full: Switching of all signals of Phantom is disabled if some of them are protected.</li><li>Button Link: If the protect button is set to ON, switching of all signals of Phantom is disabled.</li></ul>
Monitor page	
	<b>Monitor Destination:</b> Automatic Source selection corresponding to the Destination set in "Destination:" on the Panel page is done linking with the Destination specified here.
	<b>Monitor Source Offset:</b> You may specify the offset value of the source number to be switched to the source number of Monitor Destination within a range of 0 to 1023. If 0 is specified, the same Source is selected for the Monitor Destination: and Destination:

## Tally page

|||||| Operation

**Tally Groups:** You may specify the settings for linking with the switcher tally. For linking with the BKDS-7700, only Group 1, 2, 3, and 4 are enabled.

#### Display of the button settings

In Type + Number and Keypad Entry modes, the same functions as with Button per Source mode are set for buttons 9 to 12 and 21 to 24. In Type + Number mode, the Type names assigned to the button 1 to 8 and 13 to 20 are shown as follows instead of the button settings.

3KS-R3216	×
ID: 11 Device: Description:	<u>R</u> eload
Panel Function Display Protect Monitor Tally Levels Assign	
Tools ▼	From Device
Mode Delete Stand Alone ▼ Block: ▼ Mother ID: ▼ 3 Button	To Device
Layout: Type + Number Destination: OUT001	
© Buttons C Destinations 📀 0	)-F CG-V
	<u> </u>
1: <u>2:</u> <u>3: 4: 5: 6: 7:</u>	8:
IN OUT ICAM IVTR IMONI ISAT IPNT	PHAN
	20:
	-

**0-F/G-V:** (in Type + Number mode only)

When Panel Layout is set to "Type + Number," the first half and the latter half of the Type name indication are switched.

In Keypad Entry mode, the letters and figures assigned to button 1 to 8 and 13 to 20 are shown as follows instead of the button settings.

3KS-R3216				×
ID: 11 Device:	Description:			
Panel Function Display Pro	tect   Monitor   Tally	Levels 🔺	Assign 🖣	✓ E <u>×</u> it
Mada			Tools •	From Device
Stand Alone  Block:	Mother ID:		Delete Button	To Device
Layout: Keypad Entry	Destination: 001001			
Buttons     C Destinations				
=				-
1: 2: 3 A # 1 BC@ 2	3: 4: DEF 3 GHI 4	5: 6: JKL 5	7:	8:
		1		
=				
13: 14: 1 MNO 6 PBS 7	5: 16: TUV 8 WX/ 9	17: 18: 17:0.0	19:	20:
		1.24.0	1	· · · · · · · · · · · · · · · · · · ·

## 4-3-21 Settings for the BKS-R3240A/R3242A/R3248A

Some setting items are described in "4-3-1 Setting Items Common to All Devices" and "4-3-15 Setting Items Common to Control Panels." Use firmware version 1.03 or higher.

3KS-R3248A								×
ID: 14	Device:	De	scription:				<u>R</u> eload	
Panel Function	n   Display   Pr	otect   Linkage	Tally	Levels	-	Assign 🕳	E <u>x</u> it	
						Tools 🔻	From Dev	ice
Mode	E Blook				Delete		To Devic	e
					Button			
Entry: Type +	Number 💌	Destination:	OUT001					
					<b>+</b>			
				,				
=								-
1: S	2: S 🖲 T 🔿	3: S 🖲 T 🔿	4: S • T C	5: S 🖲 T 🔿	6: S 🖲 T 🔿	7: S 👁 T 🔿	8: S • T O	
IN001	IN002	IN003	IN004	IN005	IN006	IN007	IN008	
OUT001	OUT002	OUT003	OUT004	OUT005	OUT006	OUT007	OUT008	
Enabled	🖵 Enabled	🖵 Enabled	🖵 Enabled	🖵 Enabled	🖵 Enabled	🖵 Enabled	🖵 Enabled	
=								
9: S 🖲 T 🔿	10:S 💽 T 🔿	11:S 👁 T C	12: S 💿 T 🔿	13: S 💿 T 🔿	14: S 👁 T 🔿	15: S 👁 T C	16: S 💿 T 🔿	
IN009	IN010	IN011	IN012	IN013	IN014	IN015	IN016	
OUT009	OUT010	OUT011	OUT012	OUT013	OUT014	OUT015	OUT016	
🖵 Enabled	🖵 Enabled	F Enabled	F Enabled	F Enabled	Enabled	Enabled	F Enabled	•

You can make settings on 16 buttons of the BKS-R3240A, and BKS-R3242A, and on 64 buttons of the BKS-R3248A. The other functions are the same for all devices.

The setting items are each classified under one of six pages, such as "Panel."

## Panel page

**Mode:** Select Stand Alone or Mother as the panel mode. Daughter cannot be selected.

**Block:** Select the Block No. for the Mother Unit (enabled only when Mother is specified for the device).

**Entry:** Select the operation mode.

**Button per Source:** Source and Destination are switched directly with the buttons.

**Type + Number:** Source and Destination are specified with Type and Number, and are switched with TAKE.

**Keypad:** Description name is specified using the letters and figures assigned to the buttons, and are switched with TAKE.

**Direct Select:** The terminal number assigned to the buttons is specified with the figures, and is switched with TAKE.

Destination: See "4-3-15 Setting Items Common to Control Panels."

## Function page

	<b>Scroll Mode:</b> You may specify the depth of scrolling for the level display for control panel operation.
	<ul><li>Level Mode: Select the Level change mode when the TAKE button is pressed.</li><li>Single: Single select mode</li><li>Multiple: Multiple select mode</li></ul>
	<b>Chop Rate:</b> Set the Chop Rate selected from the Control Panel for Fast, Medium, and Slow. The unit is "Frame."
Display page	
	<ul> <li>Display Mode: Select whether the buttons on the control panel are to be lit to indicate crosspoint status or whether the pressed buttons are to be lit.</li> <li>Status: To indicate crosspoint status</li> <li>Prompt: To indicate the pressed button</li> </ul>
	<ul> <li>Status, Preset: Display mode of the display windows on the control panel is selected.</li> <li>Type + Number</li> <li>Description</li> <li>4 Char.DVS</li> <li>4 Char.Description</li> <li>4 Char.Router</li> <li>Direct</li> <li>Level</li> </ul>
	Illumination Level: You may adjust the illumination level in eight steps.
Protect page	
	<ul> <li>Protect (Mode): Select whether the Protect setting is to be ignored or not, and also whether the Protect setting is canceled or not.</li> <li>Normal: The Protect setting is NOT ignored, and NOT canceled.</li> <li>On Air: The Protect setting is ignored, and NOT canceled.</li> <li>Flexible: The Protect setting is NOT ignored, and canceled.</li> <li>Flex OA: The Protect setting is ignored, and canceled.</li> </ul>
	<ul> <li>Protect (Phantom): Select the behavior of Phantom toward protected Destinations.</li> <li>Partial: Switching of only signals of Phantom that are not protected is enabled.</li> <li>Full: Switching of all signals of Phantom is disabled if some of them are protected.</li> <li>Button Link: If the protect button is set to ON, switching of all signals of Phantom is disabled.</li> </ul>

Linkage page	
	<b>Serial Port:</b> You may specify the protocol used for the REMOTE 2 connector on the rear panel.
	<b>Monitor Destination:</b> Automatic Source selection corresponding to the Destination set in "Destination:" on the Panel page is performed by linking with the Destination youspecify here.
	<b>Monitor Source Offset:</b> You may specify a value for the offset from the source number to be switched to the source number of the Monitor Destination within a range of 0 to 1023. If 0 is specified, the same Source will be selected for the Monitor Destination: and Destination:
Tally page	
	<b>Tally Groups:</b> You may specify the settings for linking with the switcher tally. For linking with the BKDS-7700, only Group 1, 2, 3, and 4 are enabled.
	<b>Tally Send:</b> You may specify the group to which the tally signal is to be received at the tally connector on the rear panel is to be sent.
	The BKS-R3240A/R3242A/R3248A has two terminal name setting boxes for each button. The upper box is for Source, and the lower box is for Destination.
	1: S O T C IN001 OUT001 Enabled

**S/T:** Select either Speed Entry or Immediate Take. **Enabled:** Select whether the button-setting operation is to be enabled or not on the control panel.

||||||| Operation

## 4-3-22 Settings for the BKS-R3280/R3281

Some setting items are described in "4-3-1 Setting Items Common to All Devices."

Use firmware version 3.10.

Optional version 4.00 is not supported.

ID: 5 Device: Description:	<u>R</u> eload
Mode: Source Name/Source Name 💌 Brightness: 75% 💌 Position: 4 🚍	E <u>x</u> it
(Left)DisplayRight Display Right Justify Tools	om Device
OUT001 V 1 OUT002 V 1 V Preset Strings T	To Device
	ingo Liot

Mode: Select a display mode from the pulldown menu.

**BKS-R3280:** Selection between Source Name (default) and String is possible.

**BKS-R3281:** Selection is possible from among the following six modes:

- Source Name/Destination Name
- Source Name/Destination Number
- Source Name/Source Number
- Source Name
- Source Name/Source Name (default)
- String
- **Brightness:** The brightness of the display can be selected from the pulldown menu. Selection is possible among 25%, 50%, 75% (default), and 100%.
- **Position:** Setting is possible only for the BKS-R3281, and when Source Name is selected in Mode box. Specify the indication starting point of the Source names with numbers 0 to 9 (number of columns from the left edge).
- (Left) Display: Select a Destination and a Level to be displayed from the pulldown menu.

In a case of the BKS-R3281, and when Source Name/Source Name is selected in the Mode box, the settings for the left display are available.

#### Note

This setting is disabled when String is selected as the display Mode.

**Right Display:** Setting is possible only for the BKS-R3281, and when Source Name/Source Name is selected in the Mode box. Select a Destination and a Level to be displayed on the right display from the pulldown menu.

- **Right Justify:** Setting is possible only for the BKS-R3281, and when a display mode other than Source Name or String is selected in the Mode box. Select whether a string of characters to be displayed on the right display is to be located at the center(starting from the 9th character from the left), or right-justified (check the box).
- Left LED/String/Right LED: These settings are possible only when String is selected in the Mode box. Selection of the colors for the left and right LEDs and setting of the string of character to be displayed are possible. The colors for the LEDs are selectable from among Green, Red, Amber and Off.

#### Tools button



#### **Edit Details:**

dit Details					×
Selections			Description 1	Name Group	80
Source	<ul> <li>Destination</li> </ul>	n 🔺	Source	Destination	E <u>x</u> it
🔛 IN001	— 🎛 оитоо	1 -	🔛 IN001	📃 🗱 OUT001	
🔛 IN002	🔣 🔛 OUTOO	2	🔛 IN002	🔣 OUT002	
🔛 IN003	E OUTOO	3	🔛 IN003	🔛 OUT003	
👪 IN004	🔣 🔛 ООТОО	4	IN004	🔛 OUT004	
🔛 IN005	🔣 😨 ООТОО	5	IN005	📆 OUT005	
🔛 IN006	📰 ООТОО	6	🔛 🔛 IN006	0UT006	
IN007	🔣 😨 ОИТОО	7	IN007	E OUT007	
🔛 IN008	🔣 🔛 ООТОО	В	IN008	800TUO 🗱	
👪 IN009	🔣 🔛 ООТОО	9	👪 IN009	E OUT009	
🔛 IN010	OUT01	D	IN010	0UT010	
IN011	OUT01	1	IN011	🛛 🗱 OUT011	
IN012	OUT01	2	IN012	0UT012	
🔛 IN013	OUT01	3	IN013	🔣 OUT013	
IN014		4	1N014		

Set the Description Name Group only for the specified devices. The operation is possible only for the devices connected on the S-BUS.



#### **Copy from Station/Copy to Station:**

You can copy the setting data from another UMD (Copy from), or send the setting data to other UMDs (Copy to).

#### Status:

To display the model name of the device and firmware version. This functions only in the online operation.

#### Table:

Preset Strings button

To display the table data of the device. This functions only in the online operation.

et Strings						
from List Brightness	Left LED	Right LE	D	<u>C</u> ancel	<u>O</u> K	j
No. String	Brigh	t Left L	Right	1		
1 PGM PGM	75%	Off	Off			
2 PST PST	75%	Off	Off			
3 ON AIR ON AIR	75%	Off	Off			
4 NEXT NEXT	75%	Off	Off			
5 IN USE IN USE	75%	Off	Off			
6 REC REC	75%	Off	Off			
7 READY READY	75%	Off	Off			
8	25%	Off	Off			
9	25%	Off	Off			
10	25%	Off	Off			
11	25%	Off	Off			
12	25%	Off	Off			
13	25%	Off	Off			
14	25%	Off	Off			
15	25%	Off	Off			

A string of characters to be displayed according to parallel input to the

rear of the BKS-R3280/R3281 can be specified.

**from List button:** You can select the data set in the UMD String Configuration dialog box.

reset Str	ing List						×
					<u>C</u> ancel	<u>O</u> K	
No.	String	Bright	Left L	Right			•
1	токуо	100%	Green	Green			
2	WASHINGTON	75%	Green	Red			
3	LONDON	50%	Red	Red			
4	PARIS	25%	Off	Off			
5	BEIJING	25%	Off	Off			
6		25%	Off	Off			
7		25%	Off	Off			

Brightness button: You can modify the brightness of a string of characters. The Brightness for the selected string is cyclically changed among 25%, 50%, 75%, and 100% each time you click on the button.

Left LED/Right LED buttons: You can select the colors for the LEDs. The color settings is cyclically changed among Green, Red, Amber, and Off each time you click on the button.

**Cancel button:** To quit Preset Strings with all the new settings canceled

OK button: To quick Preset Strings with all the new settings stored

#### Assign from Strings List button

You can copy the setting data already set in the UMD String Configuration dialog box.

## 4-3-23 BZR-IF310/IF810

Some setting items are described in "4-3-1 Setting Items Common to All Devices."



#### Tools button



#### Status:

To display the model name of the device and the version of the firmware. This functions only in on-line status.

#### Table:

To display the table data of the device. This functions only in on-line status. If the system has new Sony devices or specially ordered devices as secondary stations conneced via the S-BUS and cannot recognize them, you can add necessary dialog boxes for the devices. The BZR-2000 V1.40 and later models have the software to add the dialog boxes. To add dialog boxes for the devices, they must have the same internal data configuration as the existing devices. Consult your Sony personnel to obtain details on each device before starting the procedure below.

## 4-4-1 Stating Up

- **1** Quit the BZR-2000.
- **2** Click "New Model Configuration" in the BZR-2000 Programs group of the Start menu.

## 4-4-2 Operating Procedure

When the program starts, the window below appears.

🐕 Specific Secondary Station Plug-in Configuration 🛛 🔀 🔀								
Classes C Routing Switcl C Standard Cont C BKS-R324×A C From Device/ Registered:	her rol Pane Style Pa To devio	el Control Pane control Pane control Pane control Pane	cher I	OK Cancel Apply				
Model	Code	Class	DLL	Туре				
BKPF-351	29		BKPF_351.dll	Routing Switcher	<u>+</u>			
DVS-128	36		DVS_128.dll	Routing Switcher	ing Switcher			
BKS-R3216SL	78	Standard Control Panel	BKS_R3216SL.dll	Control Panel				
Model Name: Model Icon:	Code:	© DEC ♥ HEX Browse Function	Display All Matrix Size Input: Output: Switching Field S Button Number:	New Delet				

- Click the New button.
- 2 Select the dialog boxes to be added from Classes.• Routing Switcher
  - Settings of Location, Level, and Switching Field are enabled. •Standard ControlPanel
  - The same settings as with Sony control panels other than the BKS-R324xA series are enabled.

#### •BKS-R324xA-StylePanel

The same settings as with Sony BKS-R324xA series are enabled. • From Device/To Device Only

You can store and retrieve setting made on the BZR-2000.

You must ask Sony personnel which items should be selected.

#### When Routing Switcher is selected

Enter the model name in the Model Name text box.

**2** Enter the model code in the Code text box. You may enter the code in decimal or hexadecimal by selecting DEC or HEX to the right. As for the code for the model, ask Sony personnel.

**3** Enter the desired path of the icon file that you wish to display on the model in the Model Icon text box.

You may use the icon file supplied with the BZR-2000 or your custom icon file.

Click the Browse button to enable selection of the path of the icon file.

**4** Specify the number of connectors for Input and Output in Matrix Size, and the number of settings for the Switching Field in Switching Field Setting.

#### When Standard Control Panel or BKS-R324xA Style Panel is selected

**1** Enter the model name in the Model Name text box.

**2** Enter the model code in the Code text box. You may enter the code in decimal or hexadecimal by selecting DEC or HEX to the right.

As for the code for the model, ask Sony personnel.

**3** Enter the desired path of the icon file that you wish to display on the model in the Model Icon text box.

You may use the icon file supplied with the BZR-2000 or your custom icon file.

Click the Browse button to enable selection of the path of the icon file.

**4** Specify the number of buttons to be used for crosspoint switching in the Button Number text box.

#### When From Device/To Device Only is selected

- **1** Specify the type of each device corresponding to the dialog box in Types.
  - Routing Switcher
  - Control Panel
  - Other

If you specify an item other than From Device/To Device Only in Classes, the setting for Types is automatically specified.

**2** Enter the model name in the Model Name text box.

**3** Enter the model code in the Code. text box You may enter the code in decimal or hexadecimal by selecting DEC or HEX to the right. As for the code for the model, ask Sony personnel.

**4** Enter the desired path of the icon file that you wish to display on the model in the Model Icon text box.

You may use the icon file supplied with the BZR-2000 or your custom icon file.

Click the Browse button to enable selection of the path of the icon file.

#### **Terminating the Operation**

Click the Apply button.

## 4-4-3 Other Operations

#### Delete button

This deletes an added model that has been registered. Select an added model from the list at the center of the window, then click the Delete button.

#### Note

You cannot delete the models selected with the Display All check box checked.

## From Device/To Device Function check box

If the model does not support the From Device/To Device function with the BZR-2000, do not add a check mark (OFF). This is to avoid the misoperation.

If the internal data configuration is not compatible with the existing model, do not add a check mark (OFF).

#### **Display All check box**

If checked (ON), all models including the existing ones are displayed in the list at the center of the window.

## 4-4-4 Operations in the Added Dialog Box

Routing Switcher	
	You may set Location, Level, and Switching Field.
	See "4-3-12 Settings for the HDS-X3400/X3600/X3700."
Standard Control Panel	
	You may make the same settings as with Sony control panels other than those of the BKS-R324xA series.
	See "4-3-19 Settings for the BKS-R1617/R1618/R3219/R3220/R1621" and "4-3-20 Settings for the BKS-R3216."
BKS-R324xA Style Panel	
	You may make the same settings as with the BKS-R324xA series control panel.
	See "4-3-21 Settings for the BKS-R3240A/R3242A/3248A."
From Device/To Device Only	
	You may perform the From Device/To Device operations.
	See "4-3-1 Setting Items Common to All Devices."

## **Binary Edit**

Every added dialog box has a binary edit block, as shown below. Using this block, you can set details in addition to the standard setting items. However, incorrect settings may result in fatal damage on the S-BUS system. It is strongly recommended to follow the instructions of Sony personnel, or to ask Sony personnel to make the settings.

Address	7	6	5	4	3	2	1	0	HEX	<b>▲</b>
15C0						×			04	
15C1			х						20	
1502									00	
15C3					х	x			0C	-
							<u> </u>	<u> </u>		<u> </u>

# Appendix

# **Limitations with WindowsNT/2000**

#### Phenomenon

When an intelliMouse pointing device is used with WindowsNT, RS-232C data received are abnormal.

#### Measures to be taken

Stop using the intelliMouse. It has been confirmed that a similar abnormality may occur with some other application software programs for WindowsNT when an intelliMouse is used.

#### Phenomenon

Data receiving fails when BZR-2000 is used with WindowsNT.

#### Measures to be taken

Check the S-BUS Device Configuration settings on the Device menu. When BZR-2000 is used with WindowsNT, and S-BUS connections are made, polling for 32 secondary stations or more must be set to ON (active).

If the number of secondary stations in your system is less than 32, set the polling of appropriate IDs to ON so that the total number of polling IDs becomes 32 or more.

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