SONY®

ROUTING SWITCHER SYSTEM SETUP SOFTWARE

BZR-2000

USER'S GUIDE   English

1st Edition (Revised 5)

NOTICE FOR USERS

Table of Contents

Table of Contens

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: 40 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/AT-compatible 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	Rotary Switch Position	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.

1-3 Operation Environment

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 [1], DVS-A3232 [1], 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)

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1) 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.

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.

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.

Chapter **3**

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.

SONY

BZR-2000

Routing Switcher System Setup Software
Ver. 1.5

© 1999 – 2002 Sony Corporation. All right reserved.
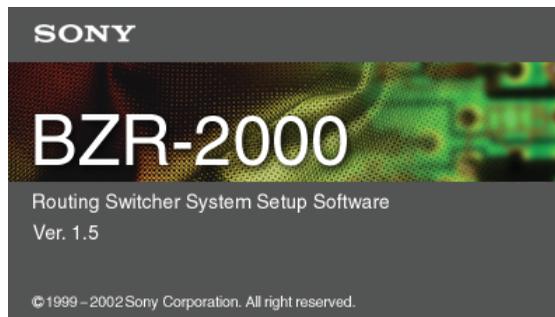
The Logon dialog box is displayed if new users have been registered in Password Setup.

BZR-2000 Logon

User Name:

Password:

Guest

Accept

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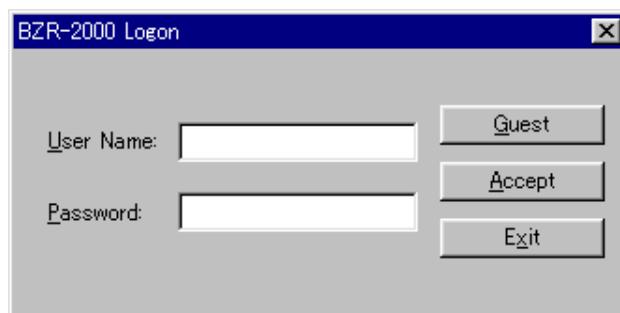
Enter a User Name and Password, then click on the Accept button.
The Main Window is displayed.

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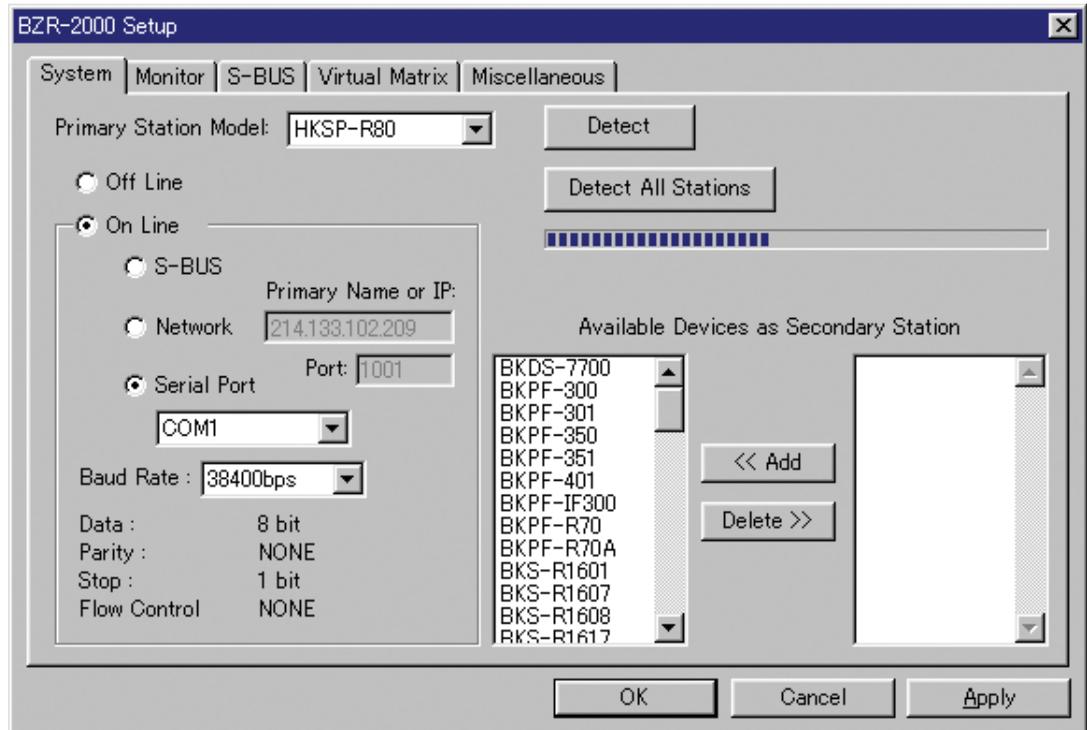
Set the operating environment of BZR-2000 and the Routing Switcher System configuration. For details on the setting items, see "4-1 Setup Dialog Box."

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.
• Click on the $\boxed{X}$ button at the upper right of the Main Window.

Double-click here.

Click here.

Click here.
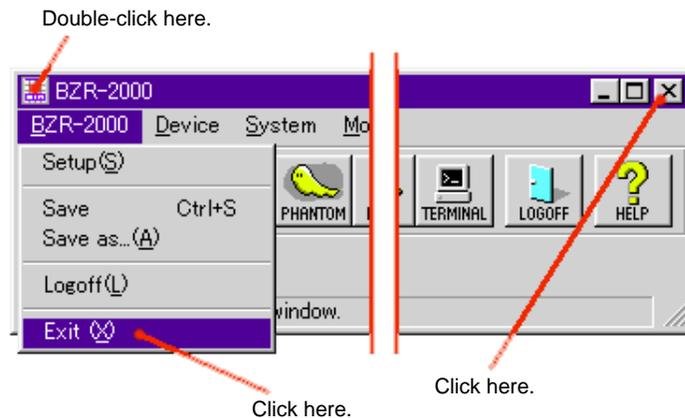
The following Save dialog box is displayed:
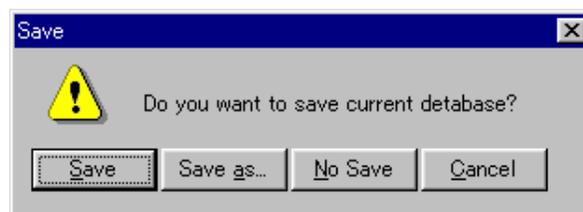
$\boxed{\text{Save}}$ **button:** To quit the program after saving the setting data into the current database

$\boxed{\text{Save as}}$ **button:** To quit the program after saving the setting data into the specified database

$\boxed{\text{No Save}}$ **button:** To quit the program without saving the setting data

$\boxed{\text{Cancel}}$ **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.
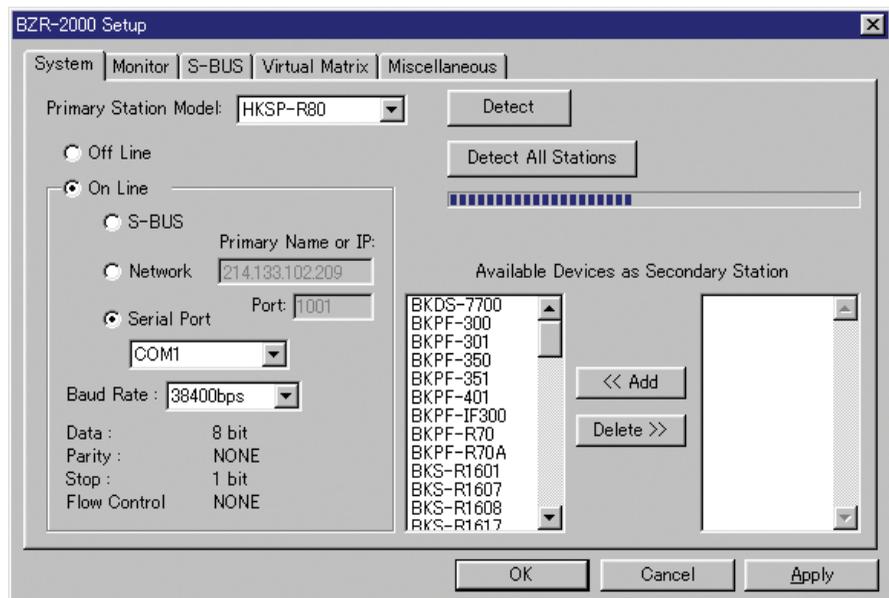
Operation

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.

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

On this setting page, monitor functions can be specified.
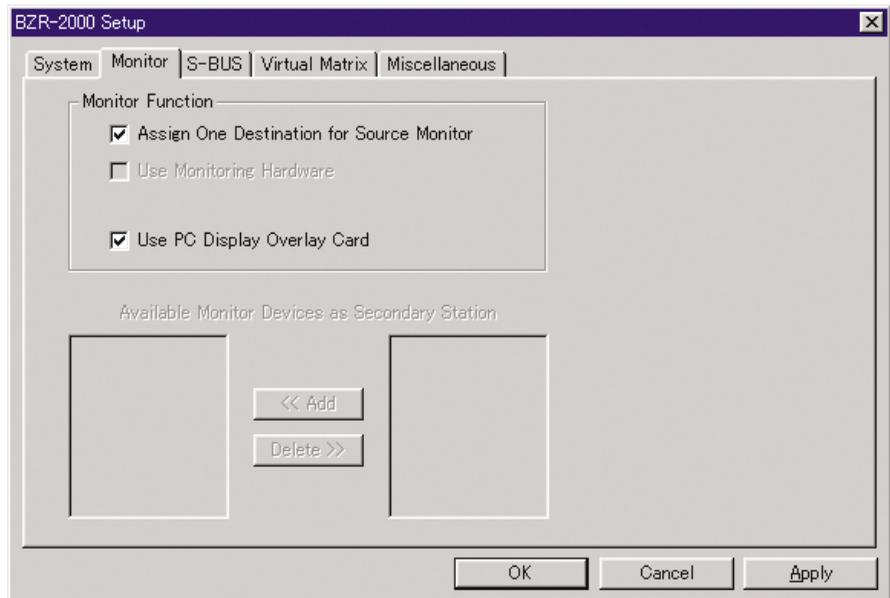
Monitor Function

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.

S-BUS

Select an S-BUS board for control.

Specify an S-BUS Station ID.

Any comment can be described.
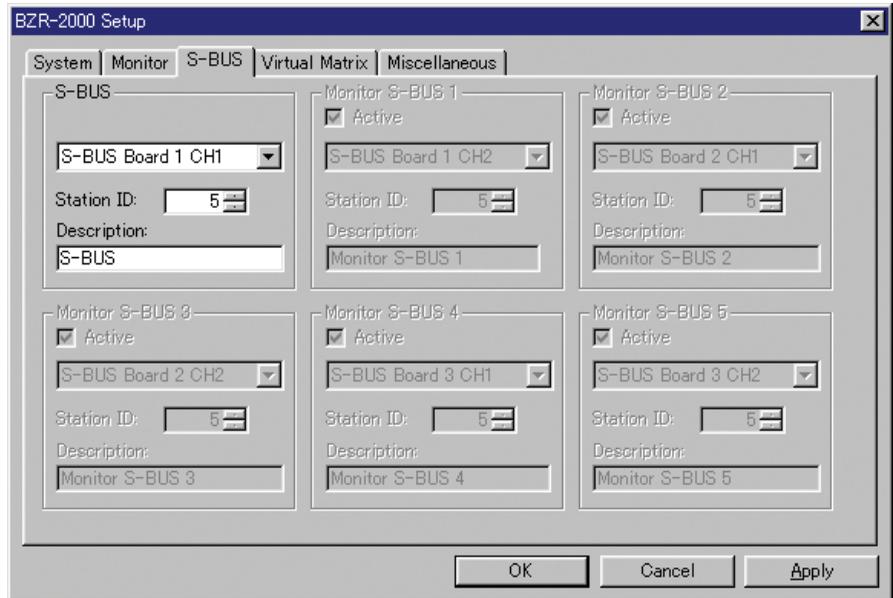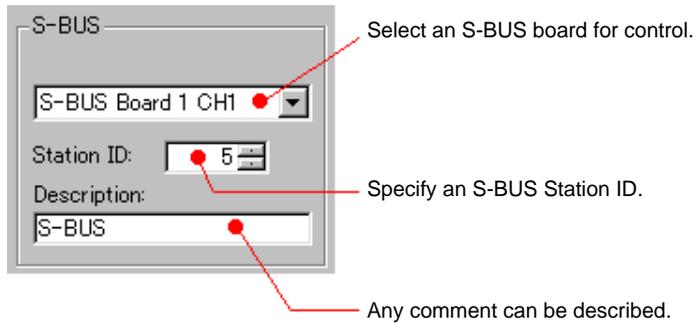
Monitor S-BUS 1 to 5
Not available with the current version.

Operation

4-1-4 Virtual Matrix setting page

On this setting page, you can specify the configuration of the virtual matrix.
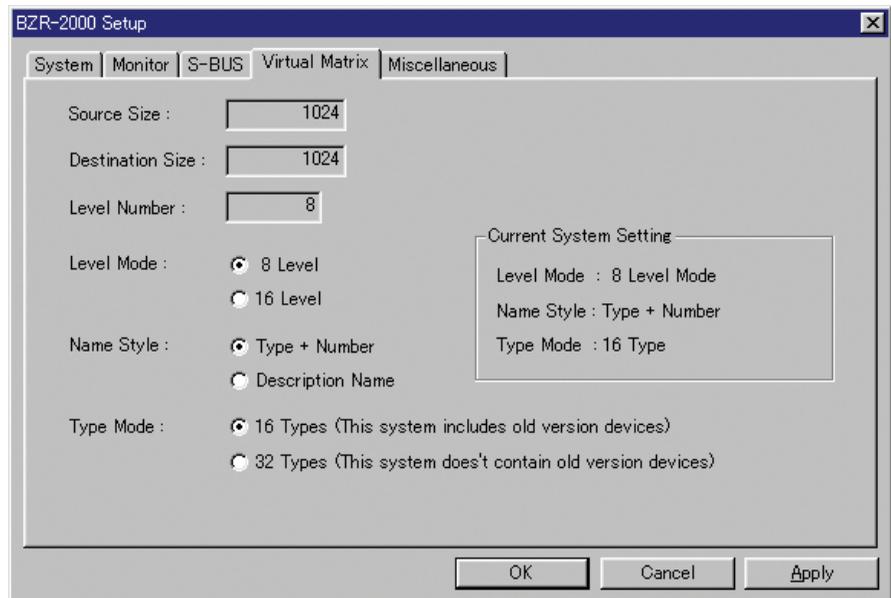
Source Size/Destination Size/Level Number

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.
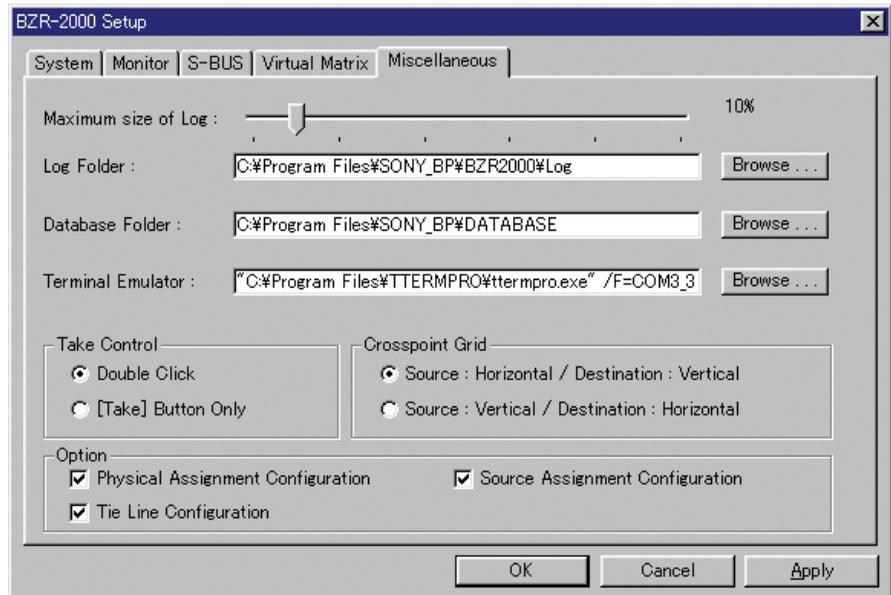
Maximum size of Log

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.

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.

4-2 Main Window

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.
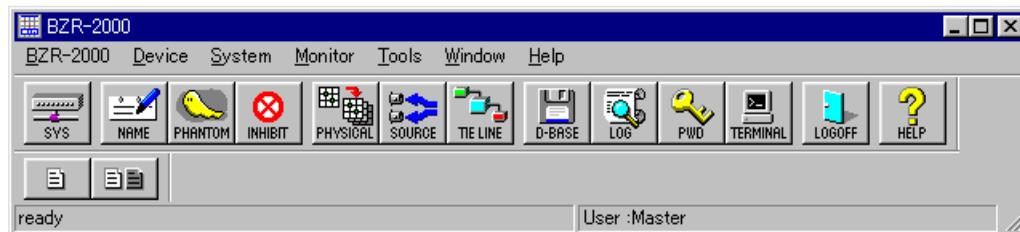
4-2-1 BZR-2000 menu

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:
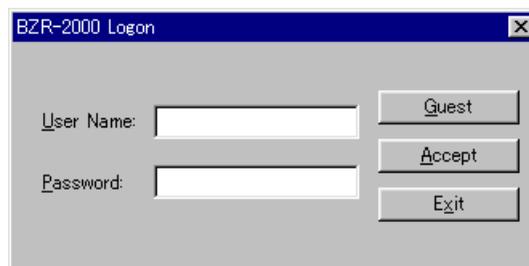
Exit
To quit the BZR-2000 program

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."
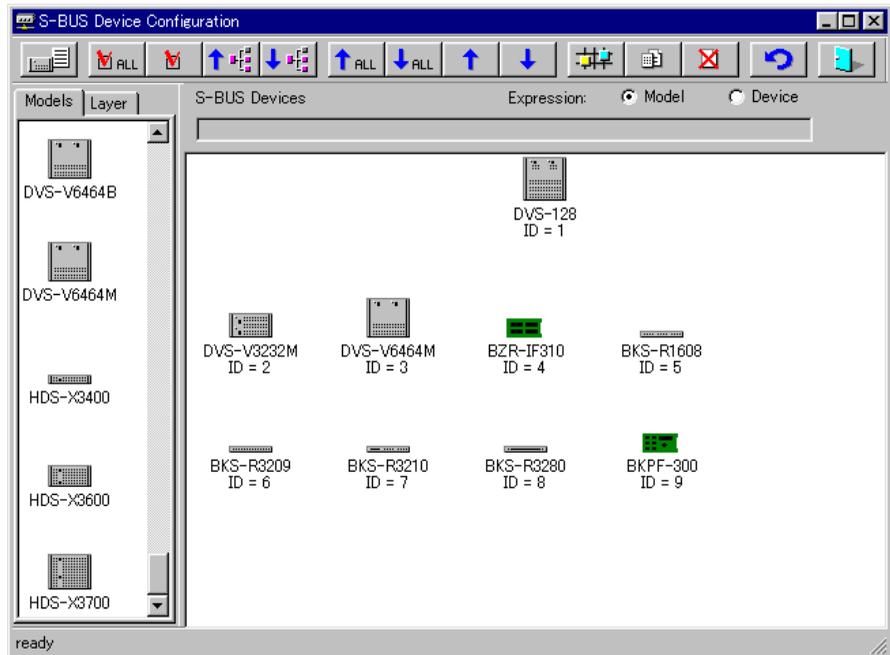
You can add and delete devices to and from the system, set properties for
each device, and switch polling ON/OFF.
In Graphic Mode, you can add a device listed in the left window to the
right window, by dragging and dropping the desired device.
In List Mode, you can drag and drop a device in the left 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.

Example: Right-clicking on the icon of the BKPF-R70A, the primary station
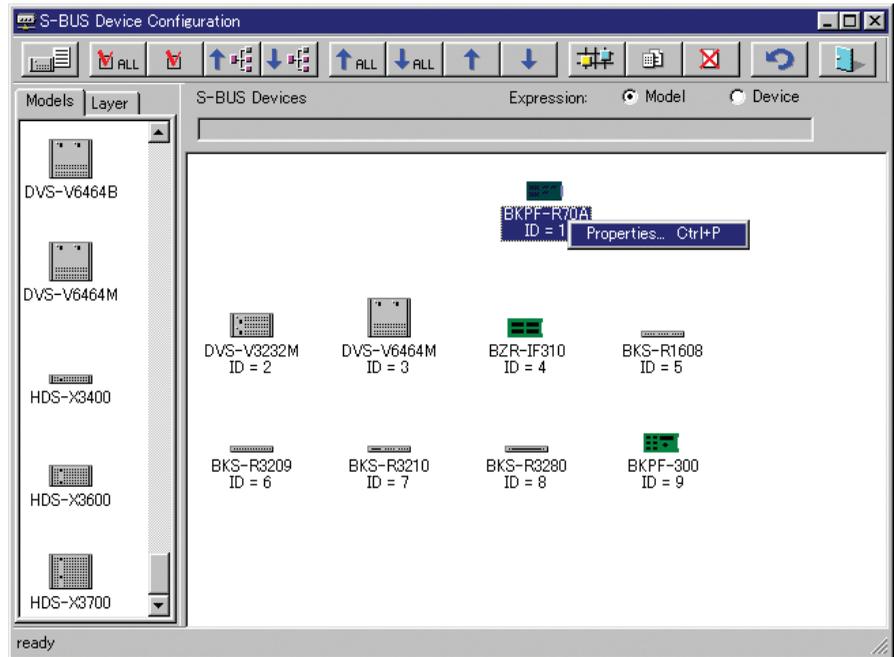
When the popup menu is displayed, point to "Properties..." and left-click.
The setting display box for the device is displayed as shown below.
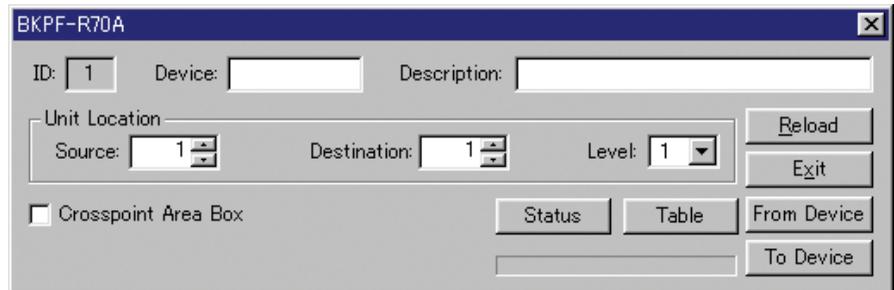
Set items as required.
Setting items differ from device to device.

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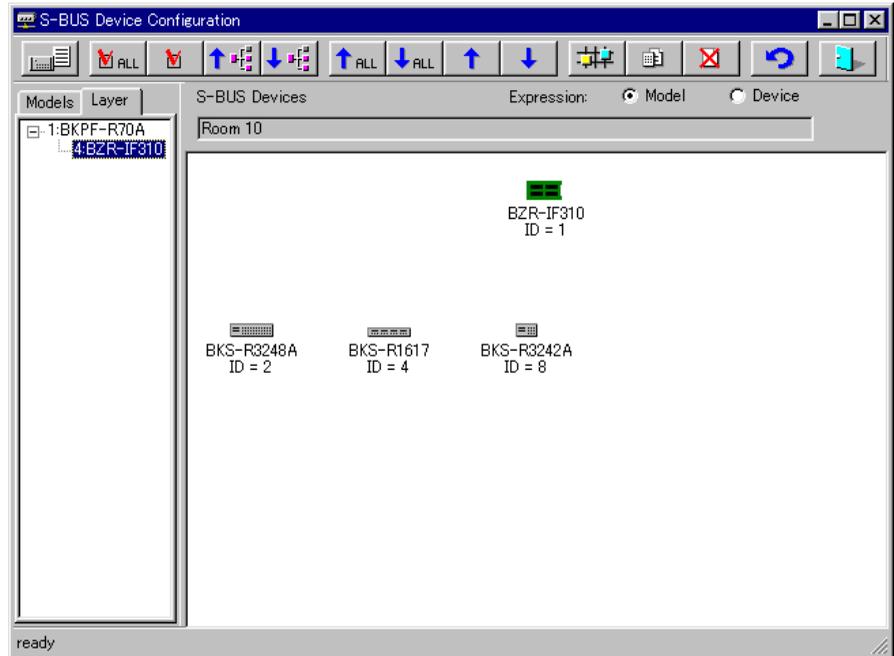
Select the Layer tab on the left window, and select a device on the layer tab. Then you can switch the upper layer of the S-BUS system such as the primary station and secondary stations and the lower layer such as the BZR-IF310, the extension device, and devices connected to the BZR-IF310 on the right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

List of icons

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

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

Receiving setting data (ALL): To read the setting data from all devices

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

Operation

Routing Switcher Location Setup dialog box
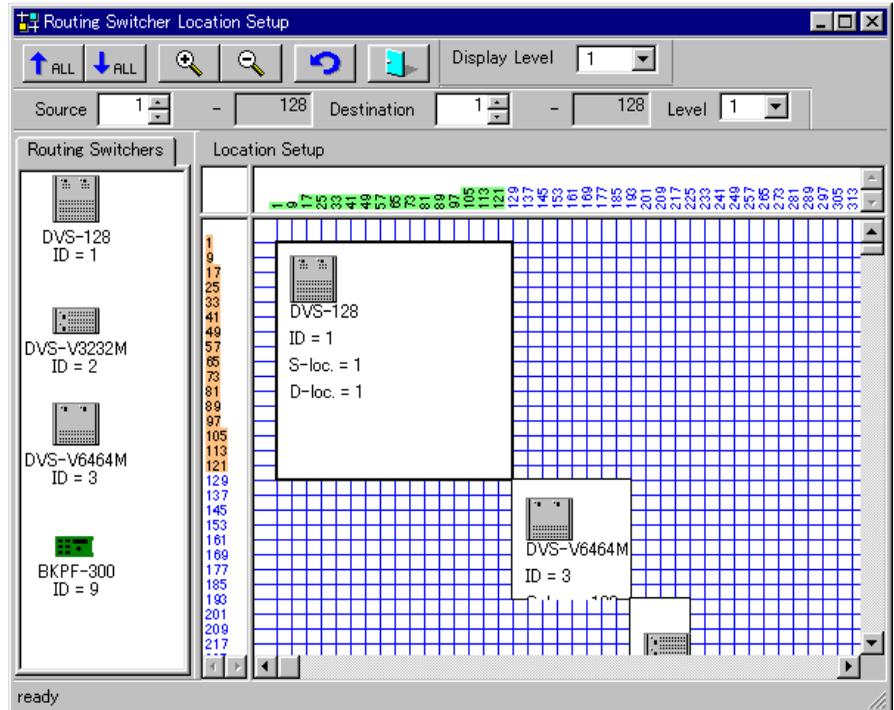
↑ALL **Receiving device-location data (All):** To read the device-location data from all routing switchers

↓ALL **Sending device-location data (All):** To send the device-location data to all routing switchers

🔍 **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 all setting data of device locations

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

Display Level: To specify the display level

Monitor S-BUS Device Configuration

Not available with the current version.

4-2-3 <u>S</u>ystem Menu

Terminal Name Configuration
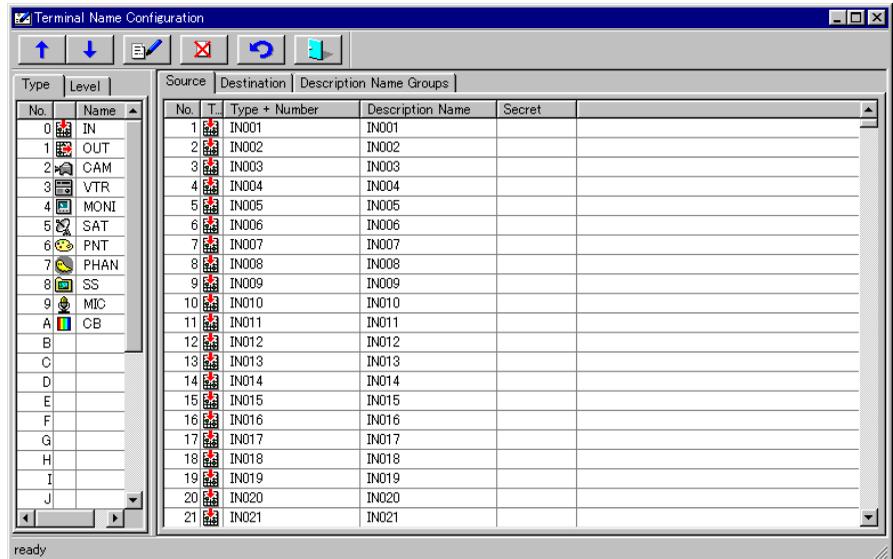
Type setting page

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 right-clicking 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."

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:
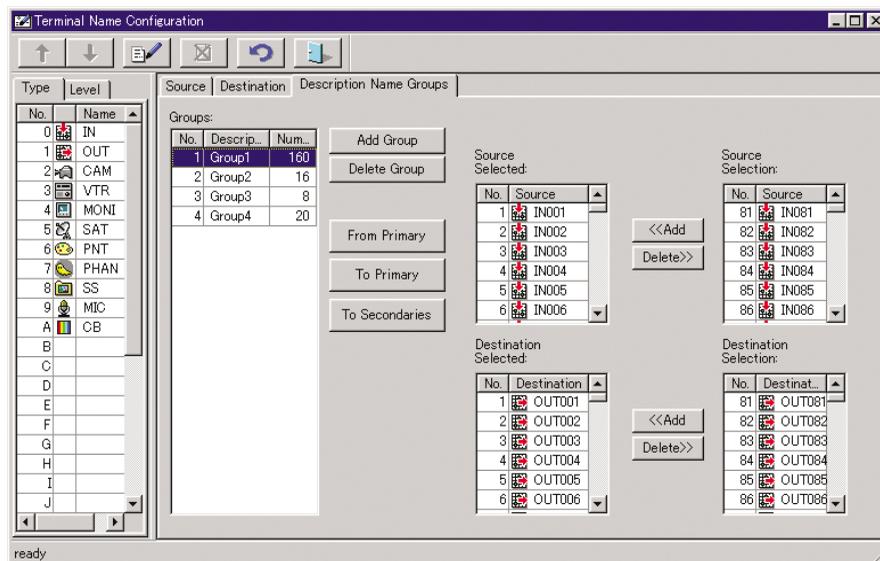
Display when RS-232C/Network connections have been made:
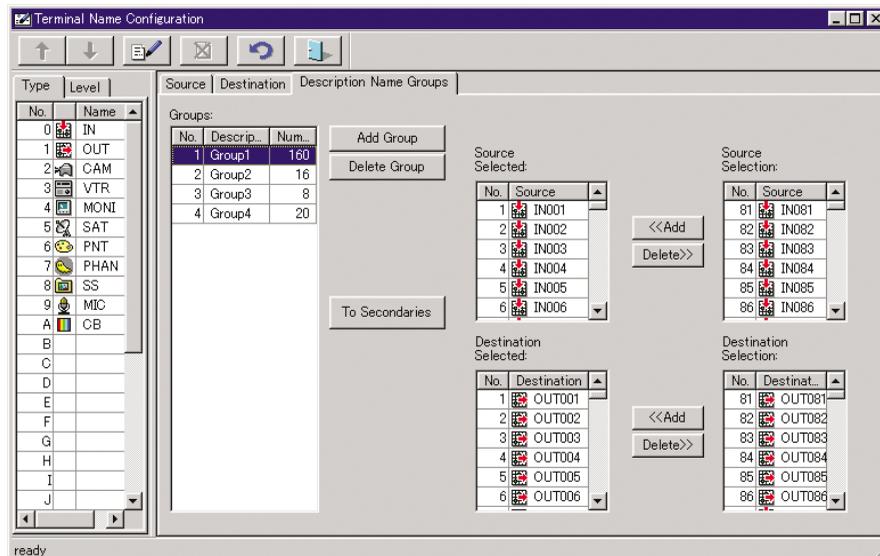
Add Group **button:** To create a new group. If you click on this button, a new No. and a temporary Description are added to the Groups box. By clicking on a temporary Description, the Description name can be changed.

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 <<Add button.

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

Deletion of 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.
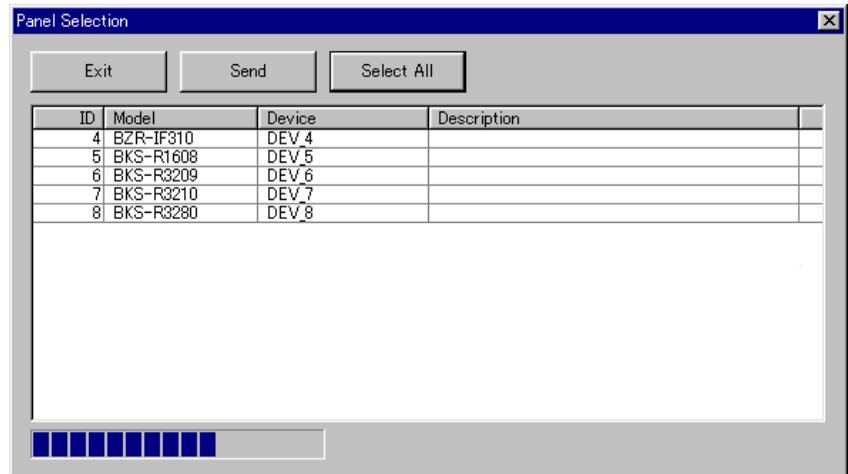
Operation

For transmission:

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.

ID	Model	Device	Description	
4	BZR-IF310	DEV_4		
5	BKS-R1608	DEV_5		
6	BKS-R3209	DEV_6		
7	BKS-R3210	DEV_7		
8	BKS-R3280	DEV_8		

Panel Selection — Exit / Send / Select All

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 third-level control panels and UMDs connected to the BZR-IF310 will be destinations. You cannot transmit data to the third-level stations individually.

Operation

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.
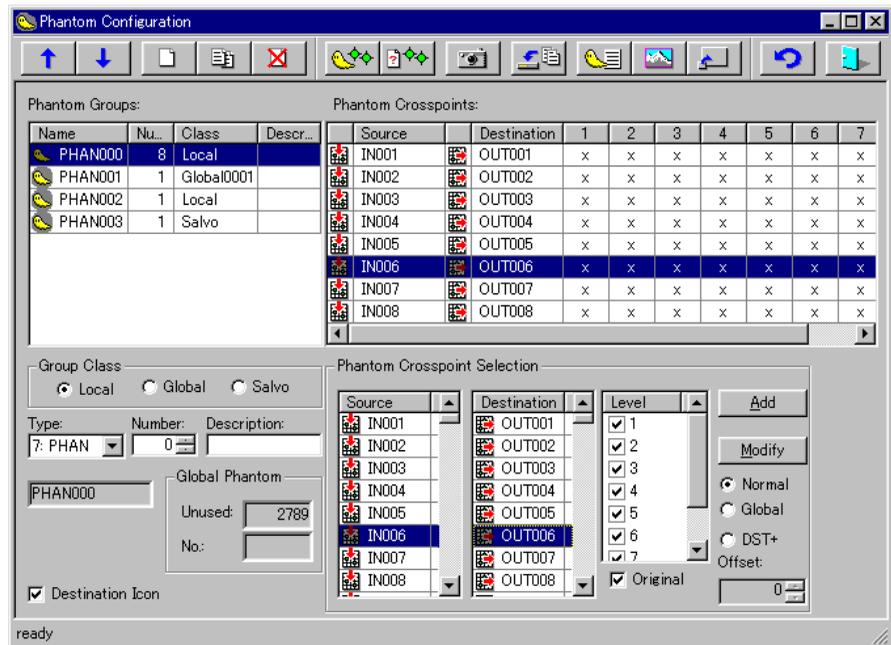
Group Class

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.
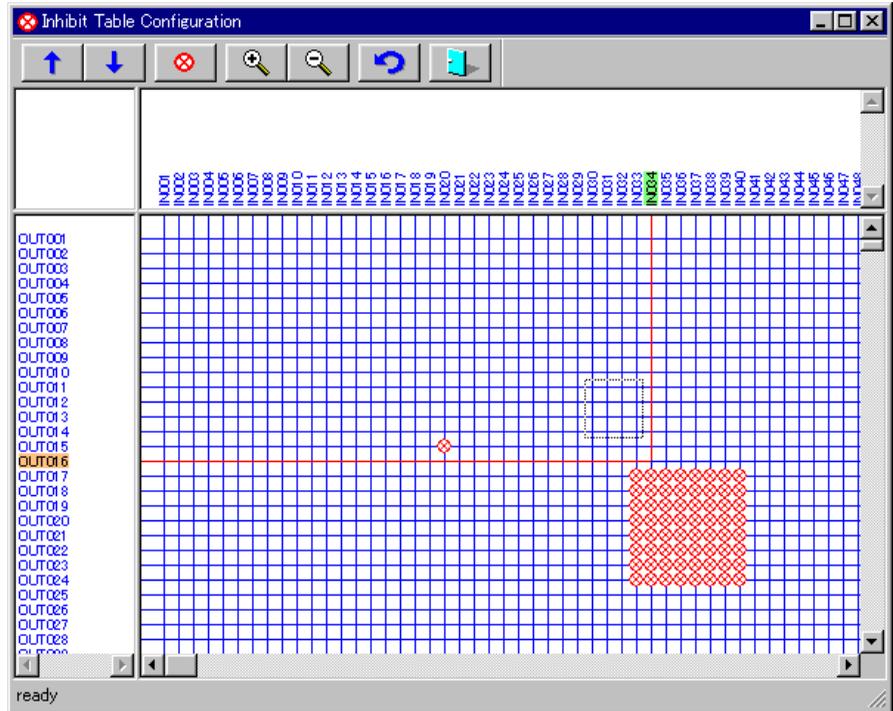
List of icons

↑ **Receiving Global Phantom data:** To read Global Phantom data from the primary station

↓ **Sending Global Phantom data:** To send Global Phantom data to the primary station

Add: To create and edit a Phantom Group on the Phantom Groups list

Duplicate: To copy a Phantom Group

Delete: To delete a Phantom Group

Take Phantom: To execute Take for the selected Phantom Group

Test Phantom: To display a matrix for confirmation of the setting

Snapshot: To copy an item of crosspoint status data into a Phantom Group (Salvo)

Send Local Phantom: To send Local Phantom data to the Control Panel

Graphical Mode/List Mode: To switch the display mode of the Phantom Crosspoints window

Select Bitmap: Select the background of the Crosspoint Grid

Preview Phantom: To preview the Crosspoint Grid in another window.

Reload Phantom: 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 ⊗ button 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

Operation

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.
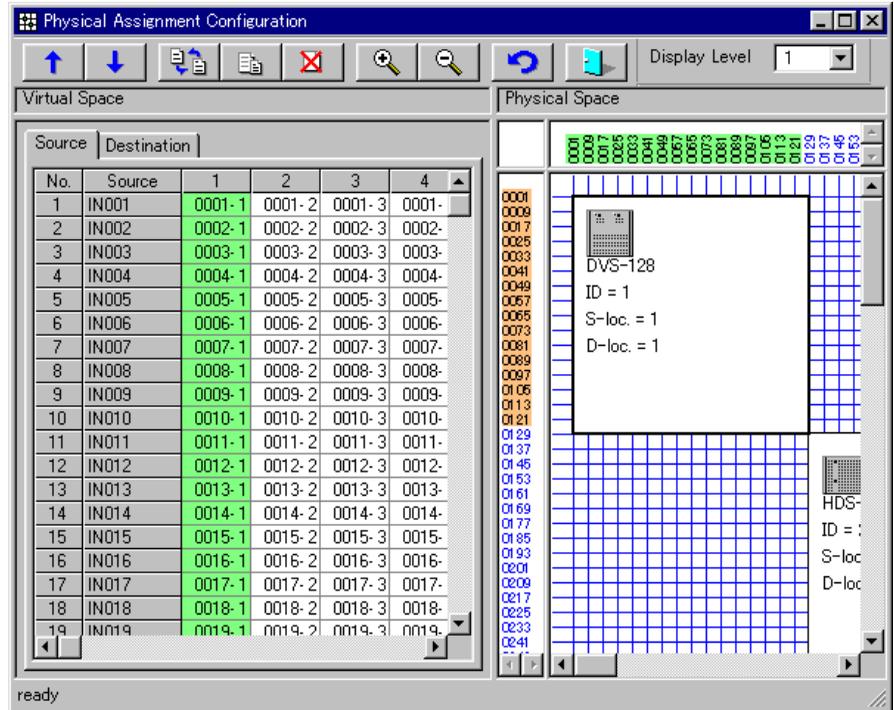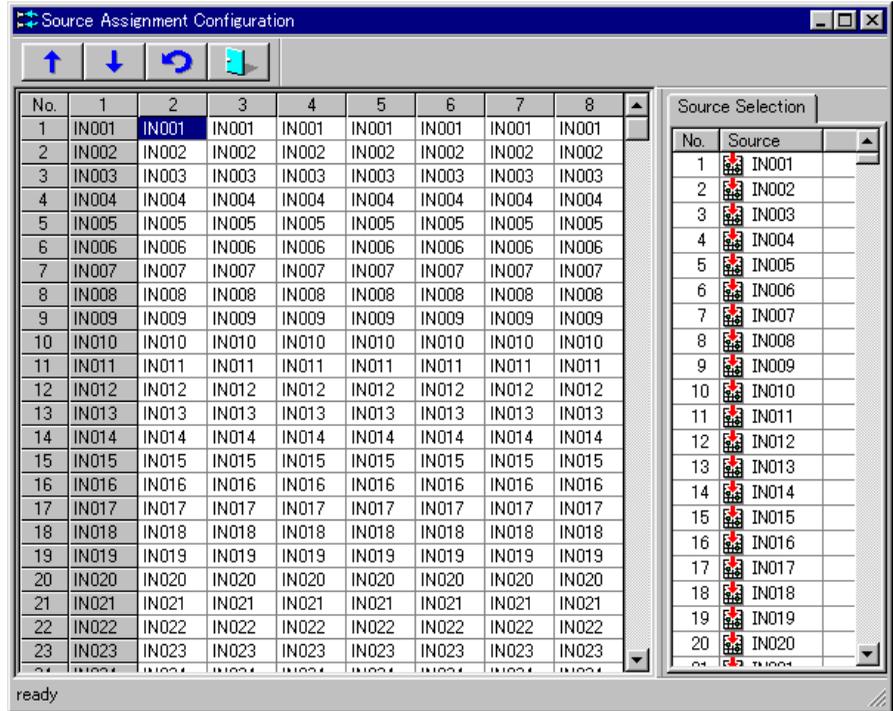

List of icons

↑ **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.

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

On this submenu, you can set Tie Line Paths between Sources and Destinations.
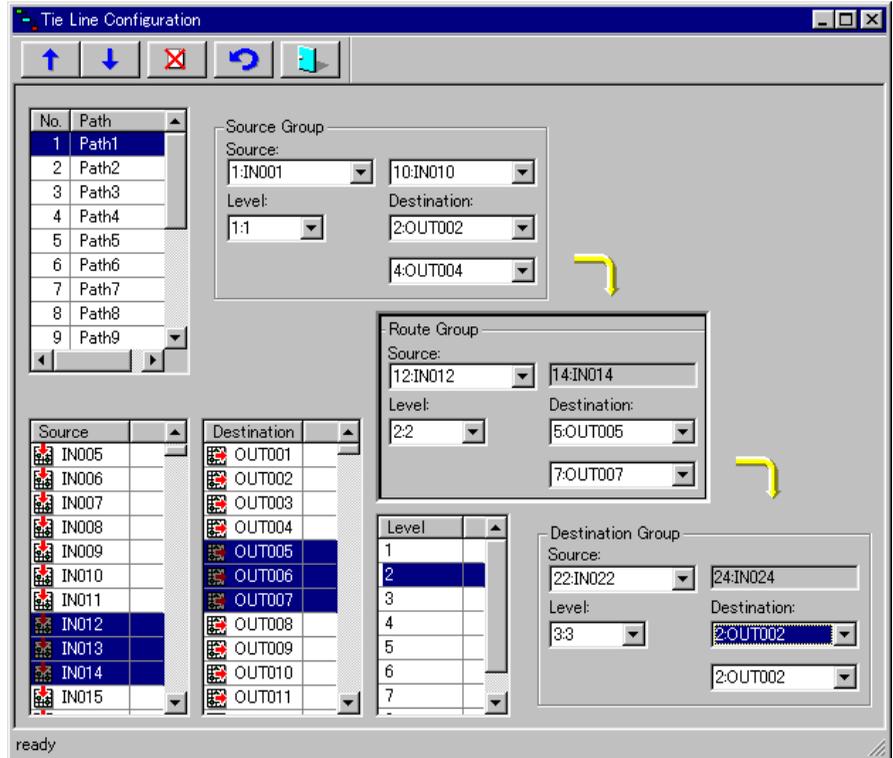
From the Path list at the upper left of the window, select a Path number to be set. Up to 16 paths can be set.

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

4-2-4 <u>M</u>onitor Menu

Configuration

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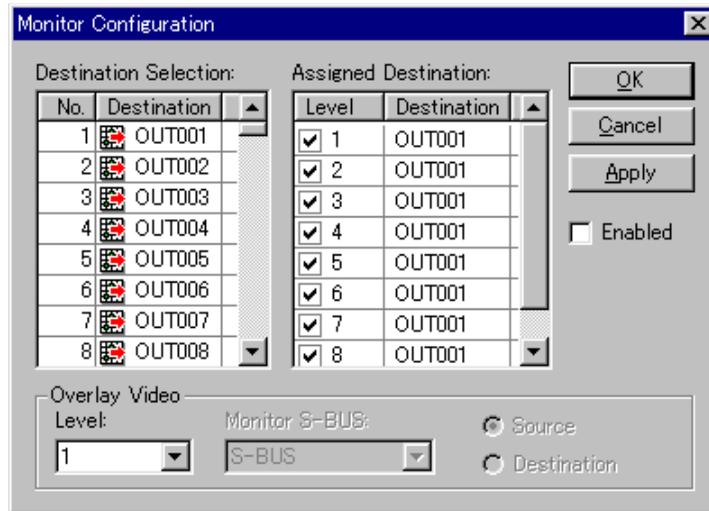

Assign levels in the Assigned Destination list, and double-click on a signal on the Destination Selection list to be allocated. You can drag a signal name from the Destination Selection list, and drop it at the desired Level on the Assigned Destination list.

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.

Operation

Take

On this submenu, you can take a crosspoint for monitoring.
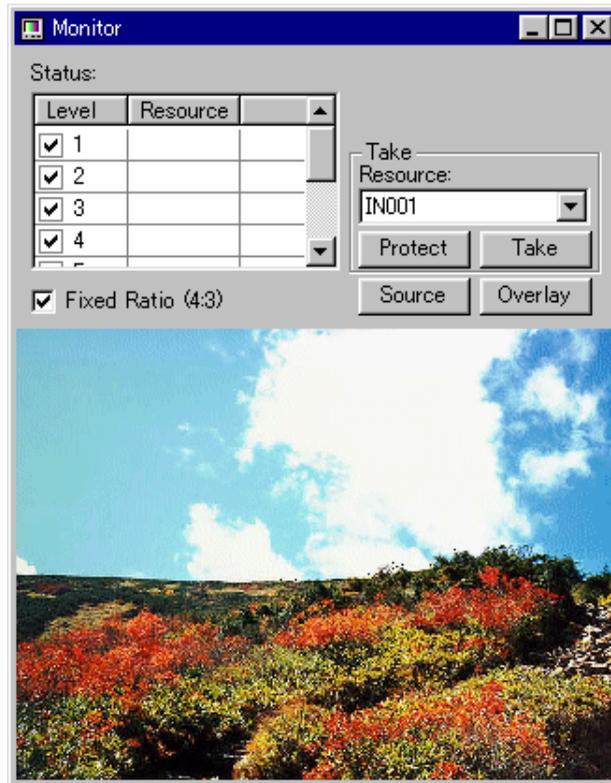
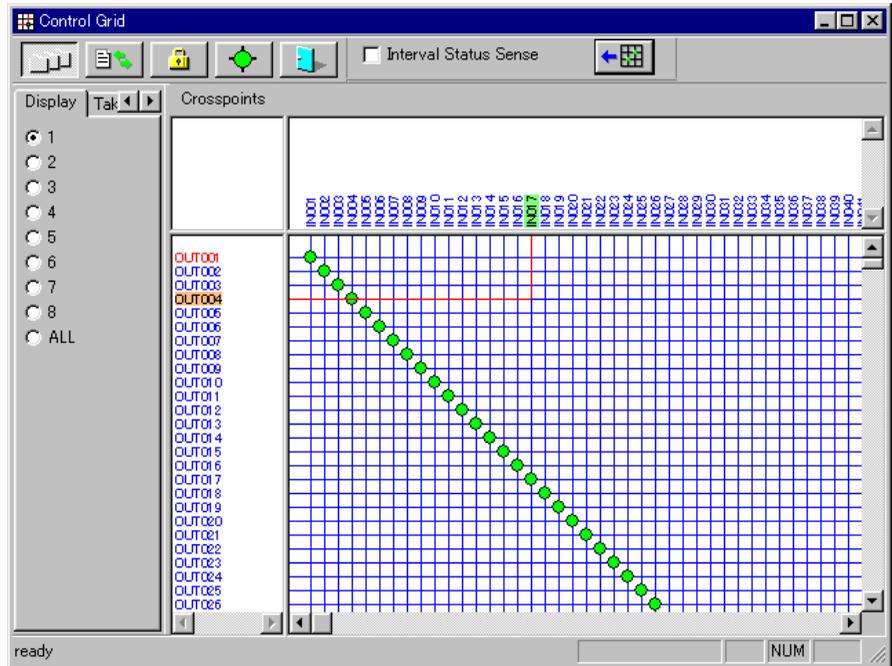Select a source in the Resource box of Take, and click on the [Take] button.
To protect the Destination set as a monitor output, click on the [Protect] button.
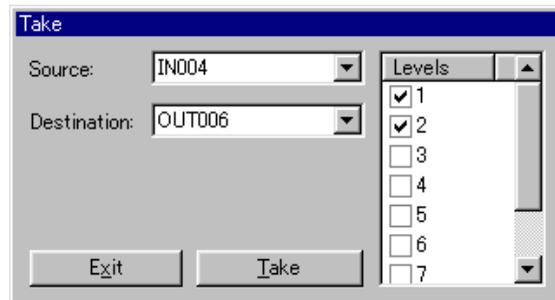
4-2-5 Tools Menu

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 Dialog:** To display the Take dialog box

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.

Exit: To quit Control Grid

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

Operation

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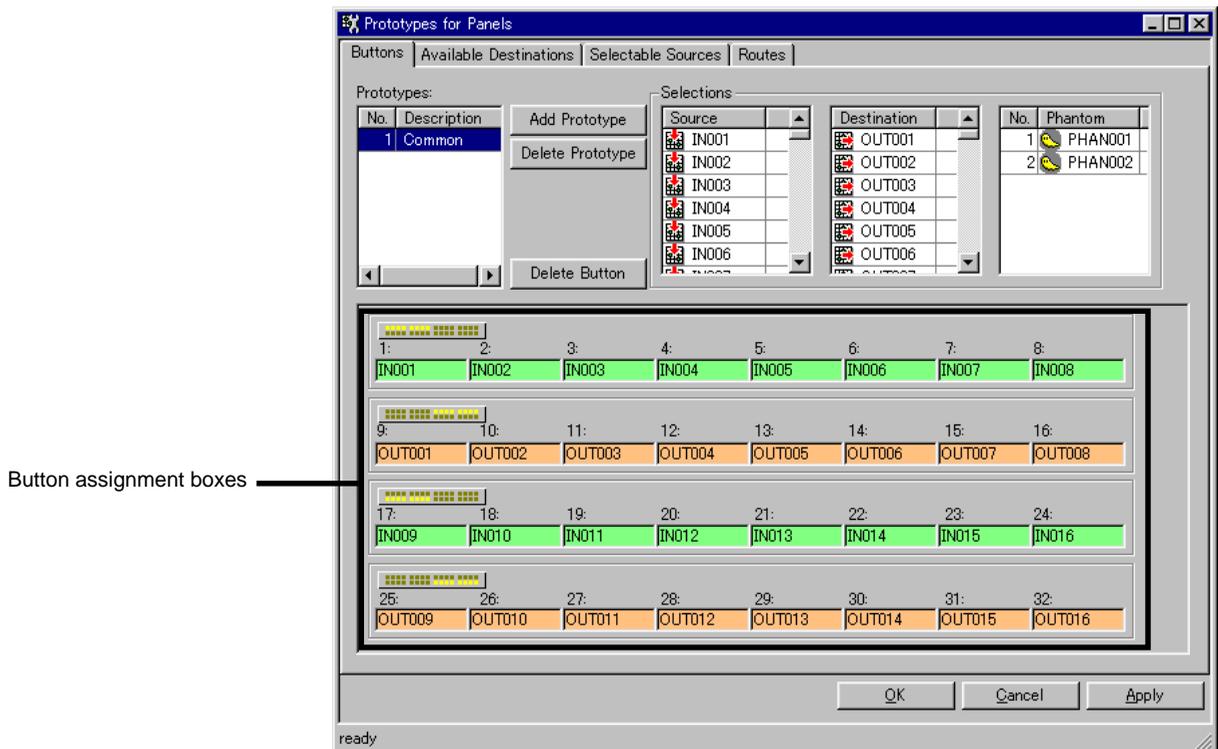
Buttons commonly used in all setting pages (valid for all settings)

$\boxed{\text{OK}}$ **button:** To quit this submenu with all settings validated

$\boxed{\text{Cancel}}$ **button:** To quit this submenu and abandon your new settings

$\boxed{\text{Apply}}$ **button:** To validate any new settings (process continued)

Buttons setting page

Button assignment boxes

$\boxed{\text{Add Prototype}}$ **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.

$\boxed{\text{Delete Prototype}}$ **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.

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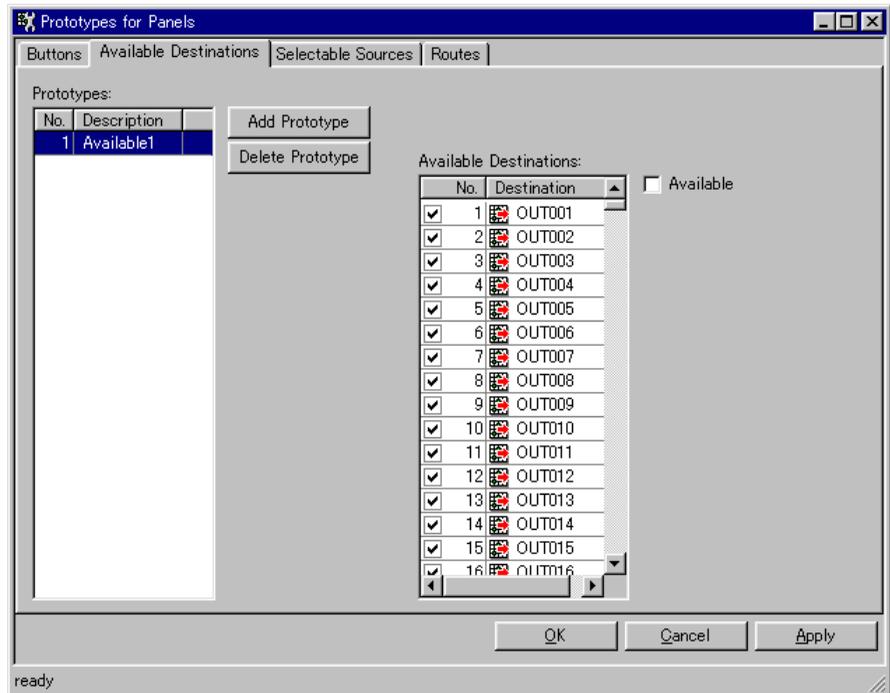
Add Prototype **button:** To create a new prototype. One prototype covers a Destination Size specified on the Virtual Matrix setting page of the Setup dialog box from Destination No.1 on the Available Destinations list.

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.

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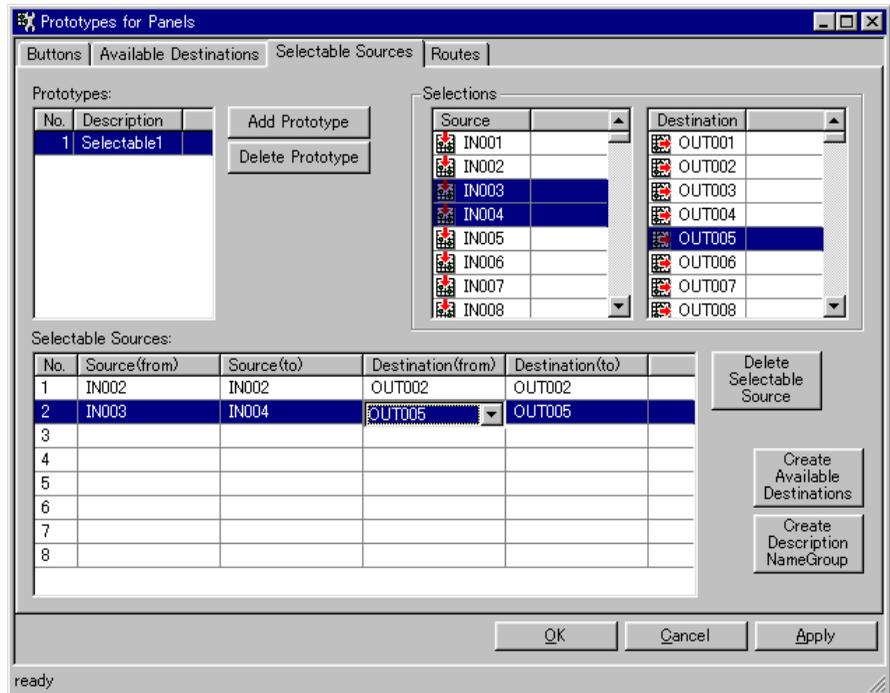
Add Prototype **button:** To create a new prototype. If you click on this button, a new No. and a temporary Description are added to the Prototypes box. By clicking on a temporary Description, the Description name can be changed.

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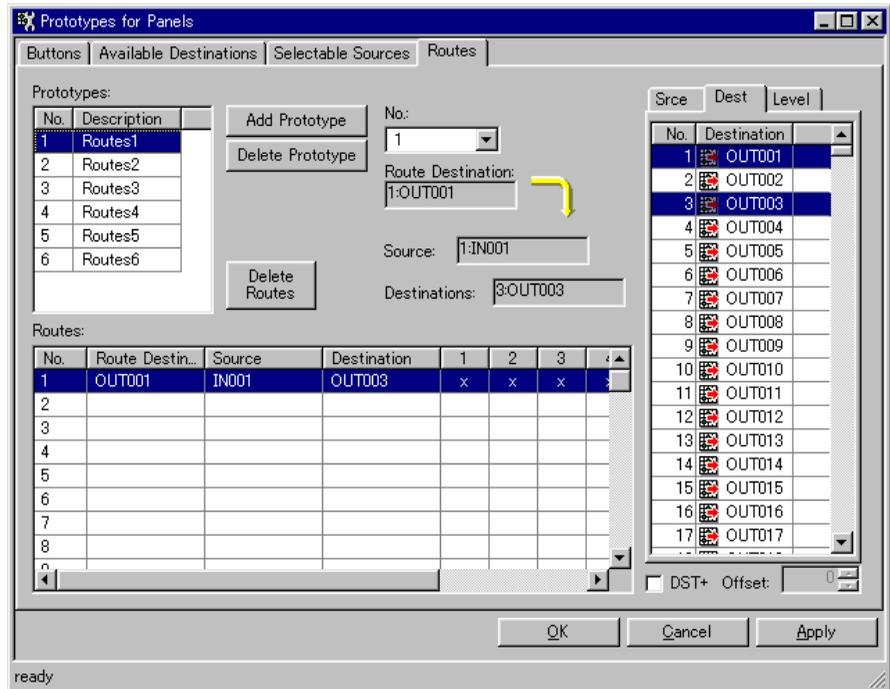
[Add Prototype] **button:** To create a new prototype. If you click on this
  button, a new No. and a temporary Description are added to the
  Prototypes list. By clicking on a temporary Description, the
  Description name can be changed.
[Delete Prototype] **button:** By clicking on this button, the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

No.	String	Bright...	Left L...	Right ...
1	TOKYO	50%	Off	Off
2	WASHINGTON	25%	Off	Off
3	LONDON	25%	Off	Off
4	PARIS	25%	Off	Off
5	BEIJING	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

UMD String Configuration window with buttons: Send To Panel, Brightness, Left LED, Right LED, Reload, Exit

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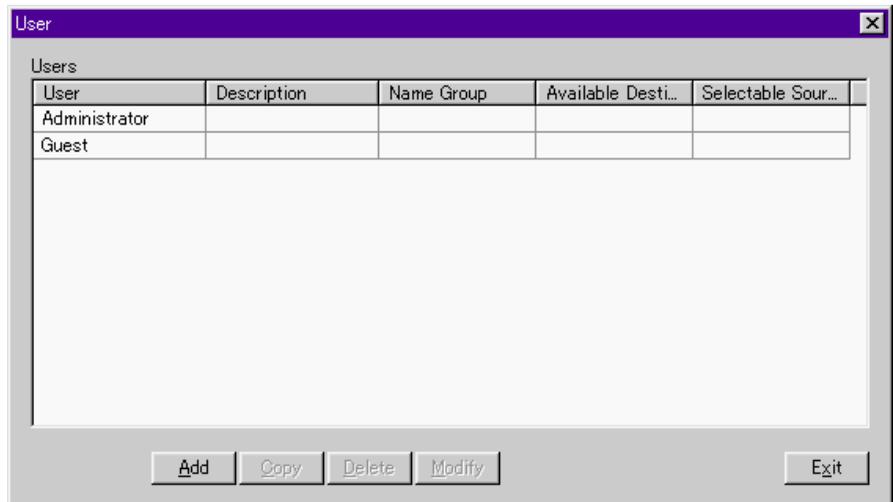
In the initial status, only the Administrator and the Guest are registered.
Add **button:** To register a new user, click on this button.

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

Operation
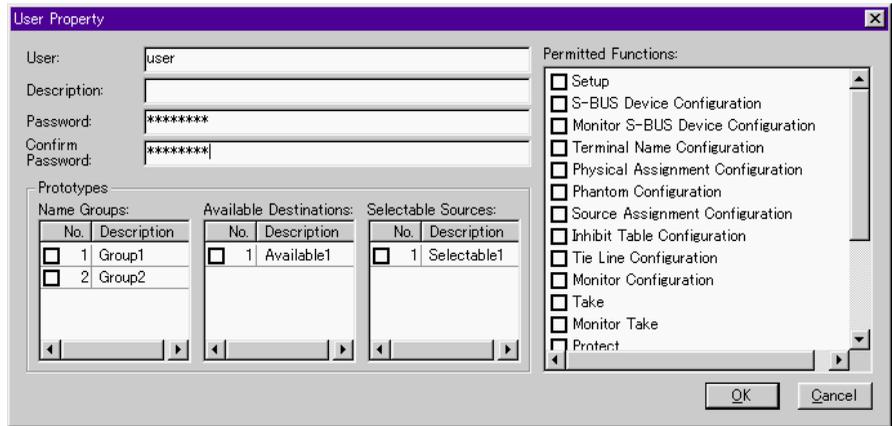
User: Enter a user's name

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.

Operation

Database Operations

On this submenu, you can copy or delete databases of BZR-2000.
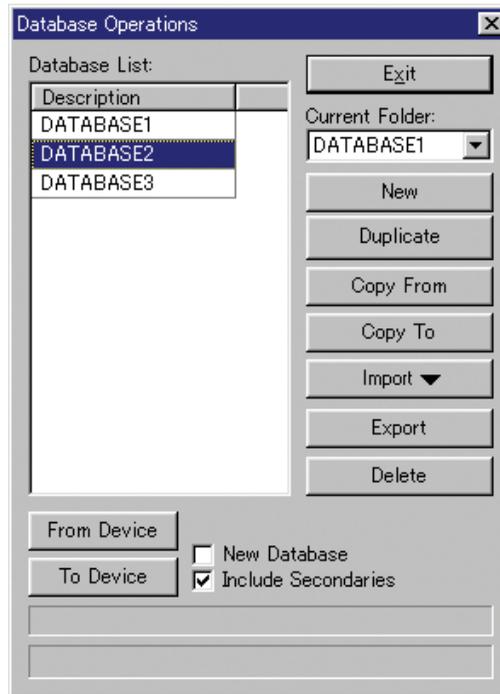
Current Folder: To select a database to be used

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.

File name	Data
SBUS_STD.DAU	S-BUS Table data
SBUS_NME.DAU	Description Name (Source & Destination) data
SBUS_GPH.DAU	Global Phantom data
SBUS_INH.DAU	Inhibit Table data
SBUS_LVG.DAU	Physical Assignment data
SBUS_TLN.DAU	Tie Line data
SBUS_SGP.DAU	Source Assignment data

When you click on the $\boxed{\text{Import}}$ button, the menu below appears, and you can select the imported item.

```
CSV File
BZR-20
```
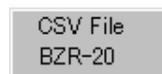
Note

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.

$\boxed{\text{Export}}$ **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.

$\boxed{\text{Delete}}$ **button:** To delete the database selected from the Database List

Note

The database selected in Current Folder cannot be deleted.

$\boxed{\text{From Device}}$ **button:** To receive all setting data for the primary station to the BZR-2000

$\boxed{\text{To Device}}$ **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.

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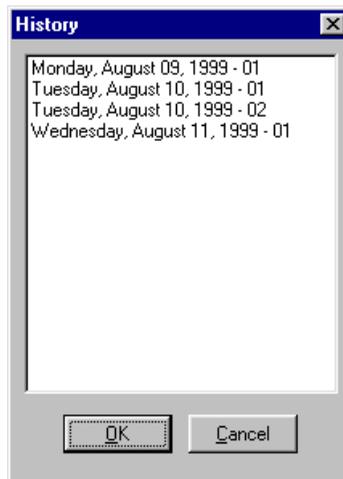
Terminal

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 <u>W</u>indow 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.

Operation

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.

4-3 Settings for Devices

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
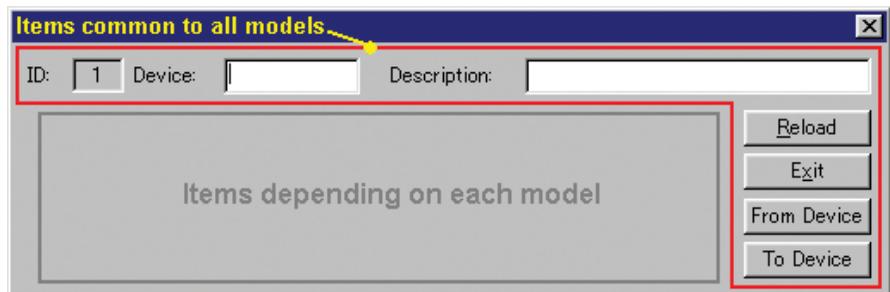
The following setting items are common to all devices.

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.

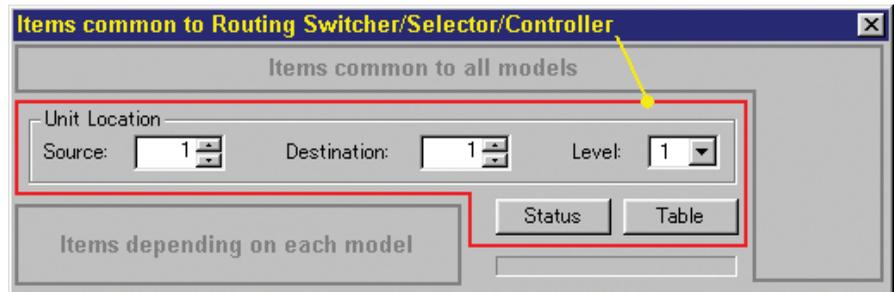Reload **button:** To reload the setting data

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

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
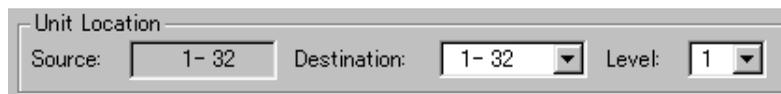is to be located.

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.

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.
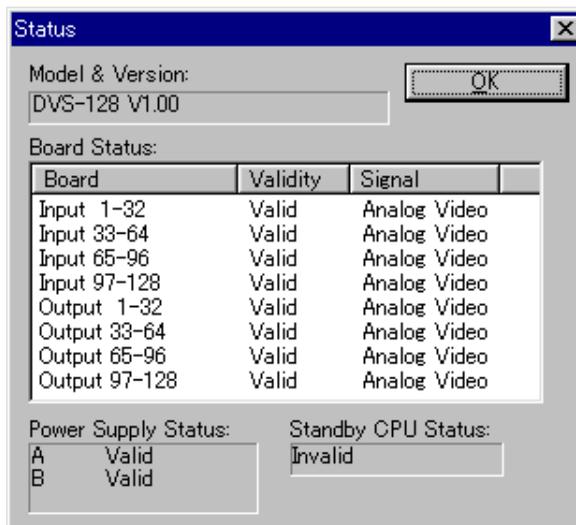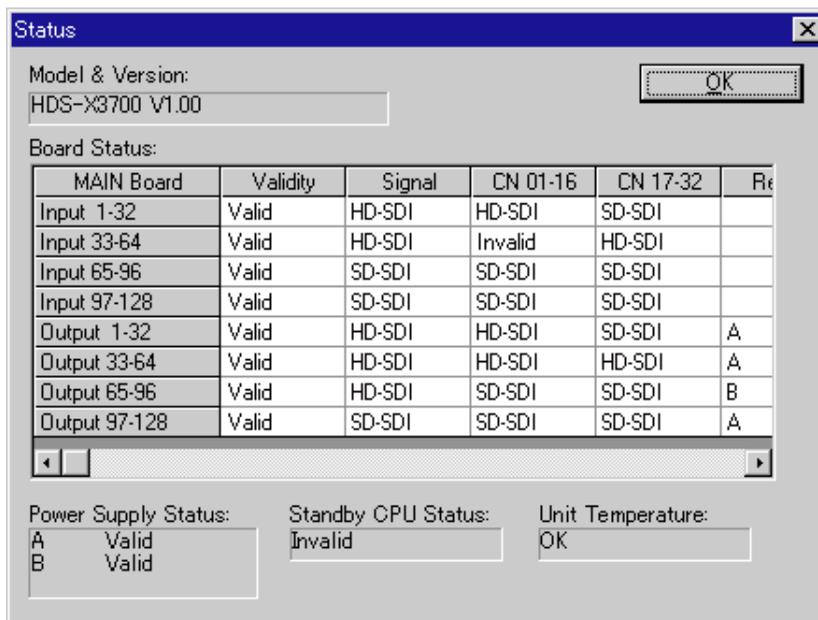
Operation

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

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

Status

Model & Version:
DVS-128 V1.00

OK

Board Status:

Board	Validity	Signal	
Input 1–32	Valid	Analog Video	
Input 33–64	Valid	Analog Video	
Input 65–96	Valid	Analog Video	
Input 97–128	Valid	Analog Video	
Output 1–32	Valid	Analog Video	
Output 33–64	Valid	Analog Video	
Output 65–96	Valid	Analog Video	
Output 97–128	Valid	Analog Video	

Power Supply Status:
A   Valid
B   Valid

Standby CPU Status:
Invalid

Example: Status display for the HDS-X3700

Status

Model & Version:
HDS-X3700 V1.00

OK

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	B
Output 97-128	Valid	SD-SDI	SD-SDI	SD-SDI	A

Power Supply Status:
A   Valid
B   Valid

Standby CPU Status:
Invalid

Unit Temperature:
OK

⬚ Table ⬚ **button:** The table data for the device are displayed. This
functions only in the onLine operation.
Example: Table data display
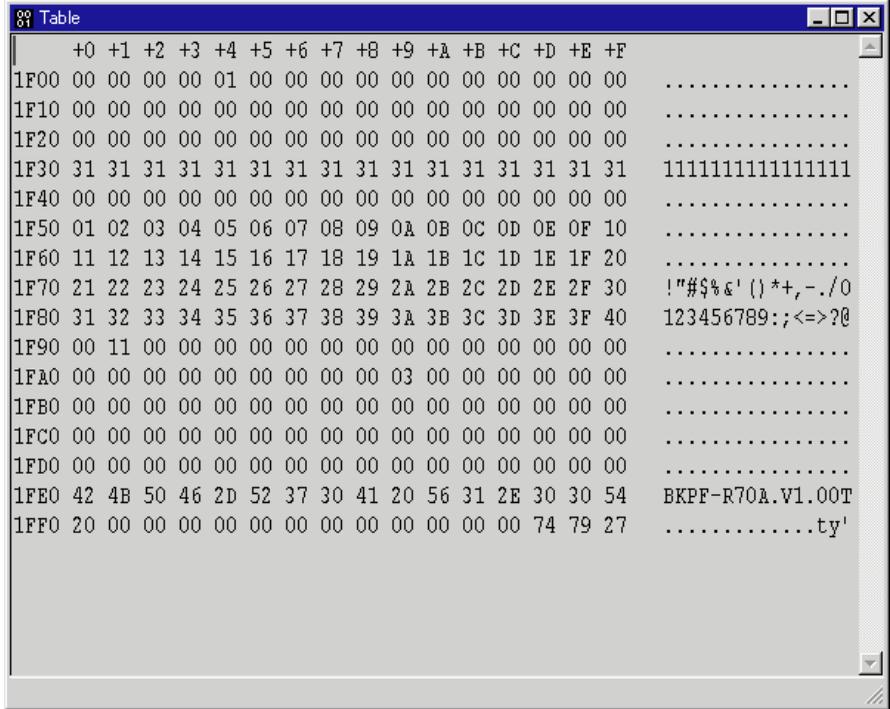
```
88 Table                                                              _ □ ×

       +0 +1 +2 +3 +4 +5 +6 +7 +8 +9 +A +B +C +D +E +F
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    1111111111111111
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 0A 0B 0C 0D 0E 0F 10    ................
1F60  11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F 20    ................
1F70  21 22 23 24 25 26 27 28 29 2A 2B 2C 2D 2E 2F 30    !"#$%&'()*+,-./0
1F80  31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E 3F 40    123456789:;<=>?@
1F90  00 11 00 00 00 00 00 00 00 00 00 00 00 00 00 00    ................
1FA0  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 2D 52 37 30 41 20 56 31 2E 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)

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

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                                                          [X]
ID: [ 3 ]   Device: [            ]   Description: [                    ]
┌─Unit Location──────────────────────────────────┐      Reload
│  Source: [ 1 ▲▼]    Destination: [ 1 ▲▼]    Level: [ 1 ▼]│
└─────────────────────────────────────────────────┘      Exit

                                           ┌Status┐┌Table┐  From Device
Destination Format: [4:2:2        ▼]       └──────┘└─────┘
                                           [              ]  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

```
DVS-128                                                          [X]
ID: [ 9 ]   Device: [            ]   Description: [                    ]
┌─Unit Location──────────────────────────────────┐      Reload
│  Source: [ 1 ▲▼]    Destination: [ 1 ▲▼]    Level: [ 1 ▼]│
└─────────────────────────────────────────────────┘      Exit

Switching Field A:  [ASYNC      ▼]         ┌Status┐┌Table┐  From Device
                                           └──────┘└─────┘
Switching Field B:  [ASYNC      ▼]         [              ]  To Device
```

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

Operation Mode: Select either 16 × 16 mode or 32 × 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

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

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

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

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

Switcher page

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 μs, 15 μs, 10 μs, and Auto.

4-3 Settings for Devices

Alarm page

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 page

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

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

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 reclocked

Operation

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 μs, 15 μs, 10 μs, 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."
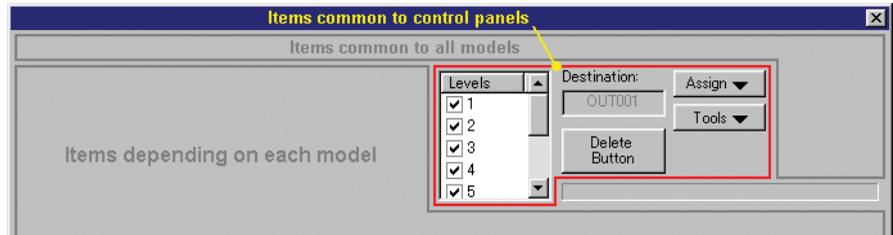
Levels: Select the level to be controlled from the control panel.
No setting is allowed for some devices as shown below.

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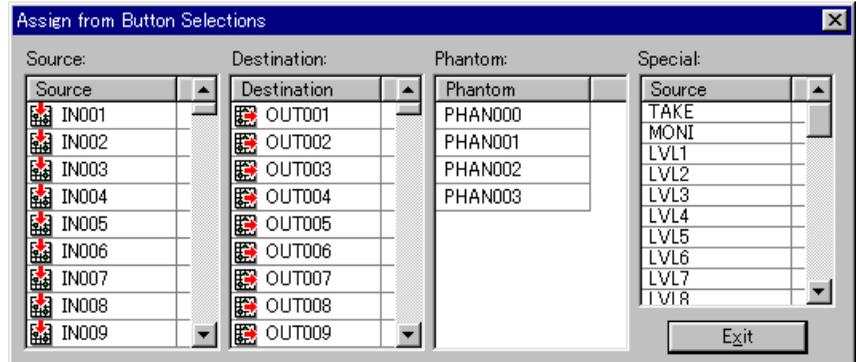For the BKS-R3240A series, setting is always enabled.
For a unit other than a BKS-R1601/R-3202/R3203, BKS-R3204/R3205/R3206, or BKS-R1607/R1608/R3209/R3210, the settings for Destination is on the Panel page for the items depending on each model.

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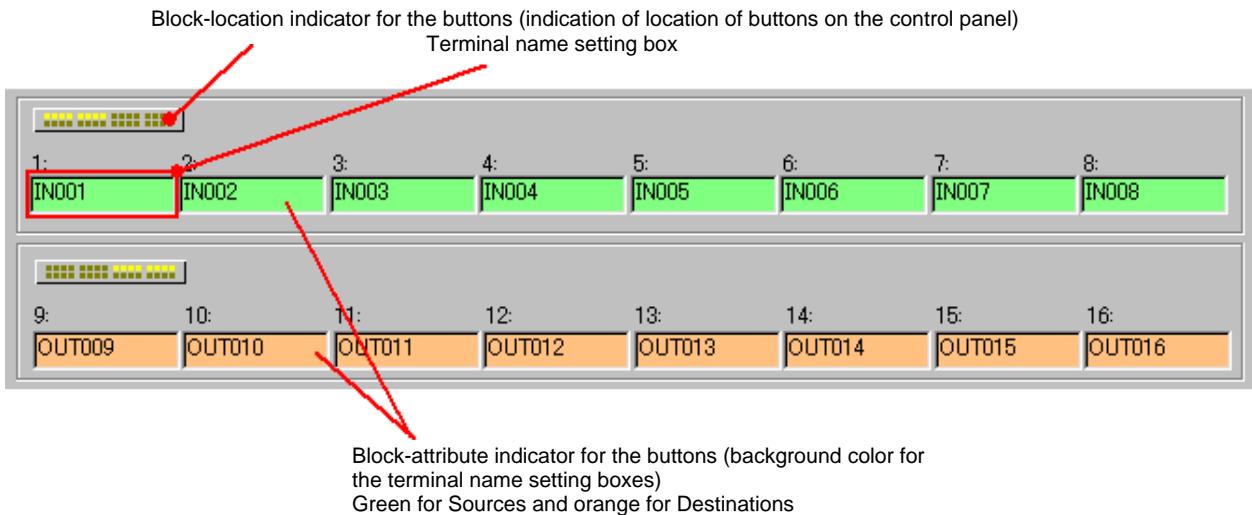
Assign button

Assgin ▼

from Button Selections...
from Panel Prototypes...
from Permitted Users

from Button Selections:

Assign from Button Selections

Source:	Destination:	Phantom:	Special:
Source	Destination	Phantom	Source
IN001	OUT001	PHAN000	TAKE
IN002	OUT002	PHAN001	MONI
IN003	OUT003	PHAN002	LVL1
IN004	OUT004	PHAN003	LVL2
IN005	OUT005		LVL3
IN006	OUT006		LVL4
IN007	OUT007		LVL5
IN008	OUT008		LVL6
IN009	OUT009		LVL7
			LVL8

Exit

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-location indicator for the buttons (indication of location of buttons on the control panel)
Terminal name setting 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 [a]	Yes	Yes [a]	No
BKS-R3210	Yes [a]	Yes [a]	Yes [a]	No
BKS-R1617/R1618/R1621/ R3216/R3219	Yes	Yes	Yes	Yes
BKS-R3220	Yes [a]	Yes [a]	Yes [a]	Yes [a]

a)in Direct Selection only

from Panel Prototypes:
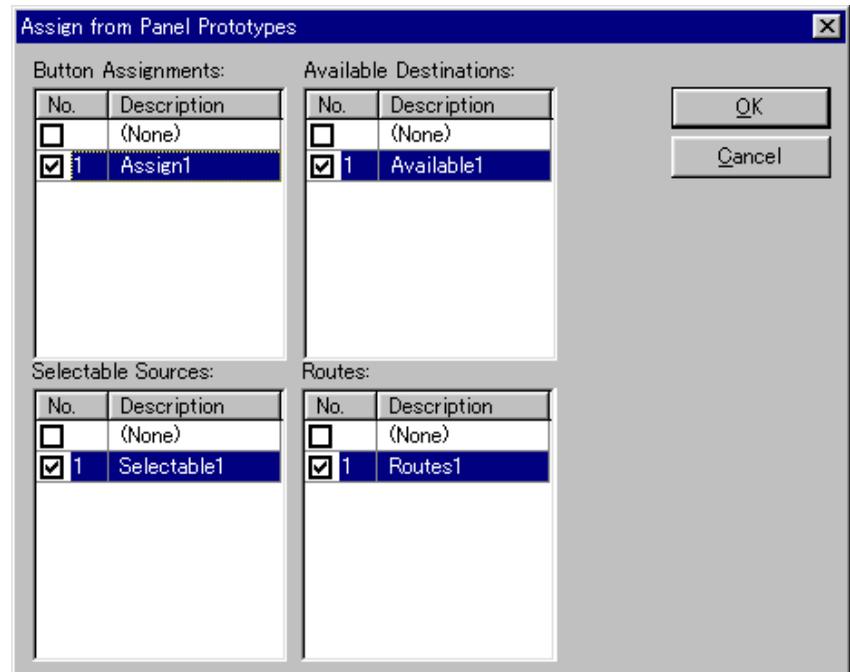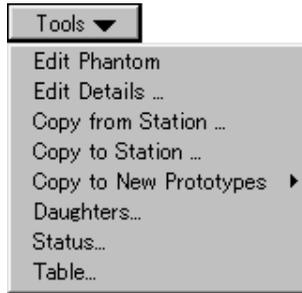

Setting data of the Prototypes for Panels can be selected and set.

from Permitted Users:
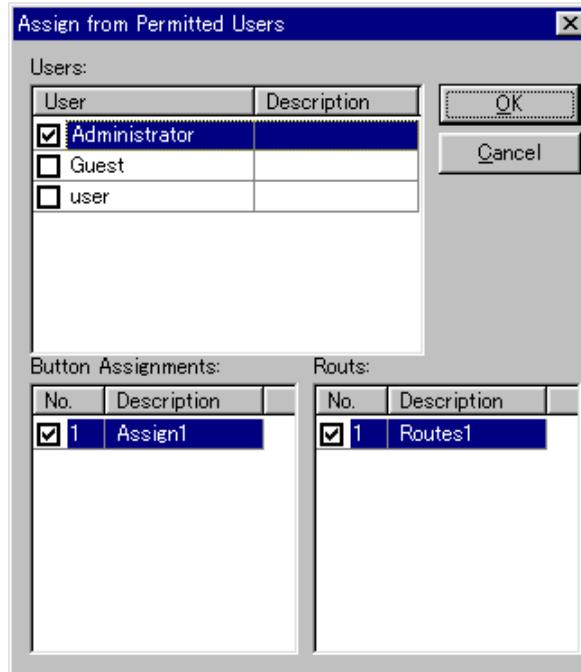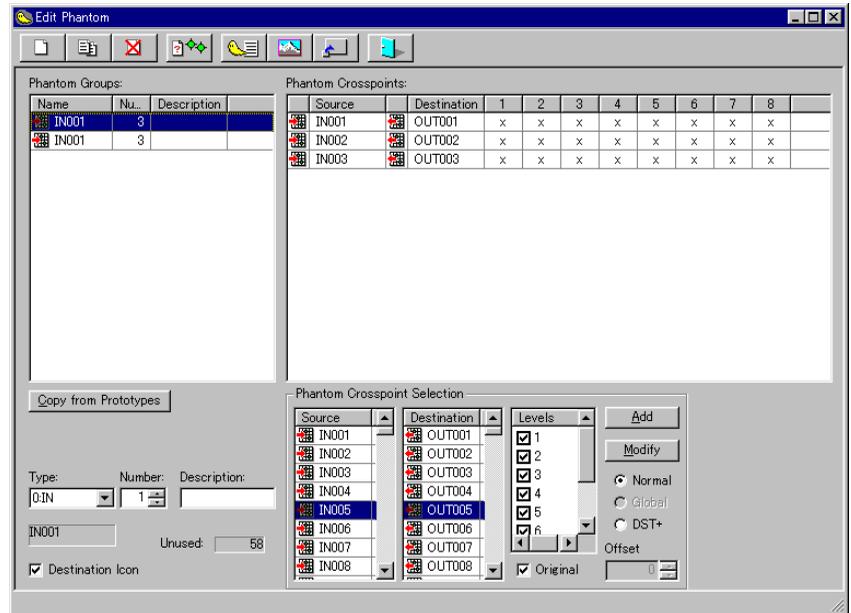

The setting data of the prototypes permitted for use by the registered users can be copied.
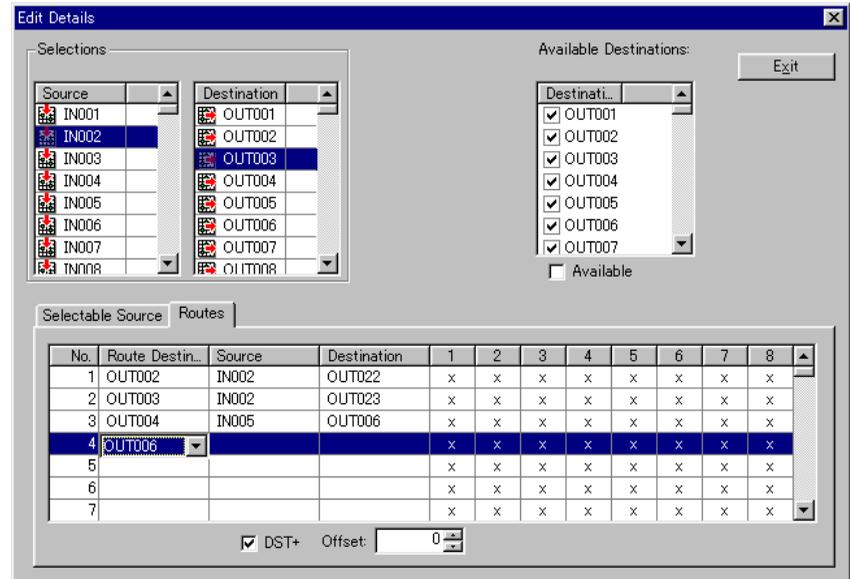
Tool button:

Edit Phantom:

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:

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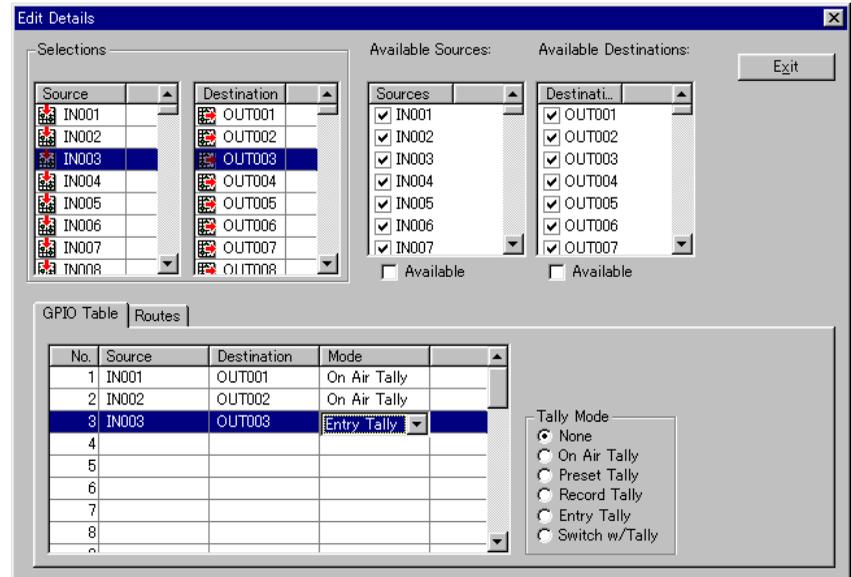
Copy from Station/Copy to Station:
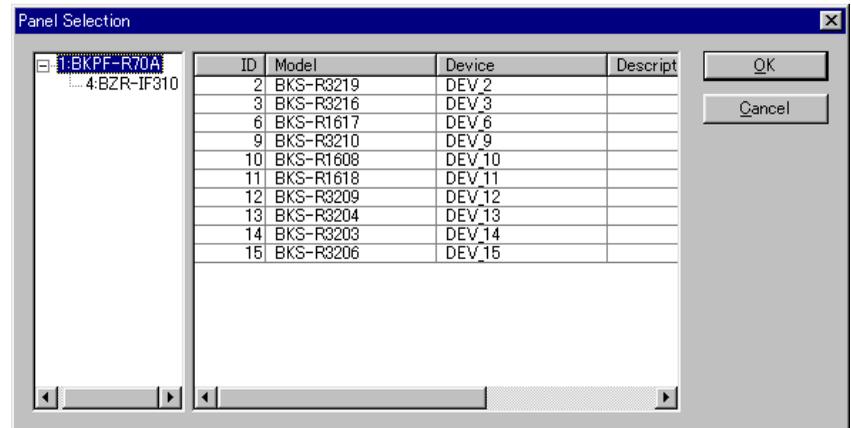
You can read the setting data from other panel (Copy from) or write them to (Copy to) another panel.

Operation

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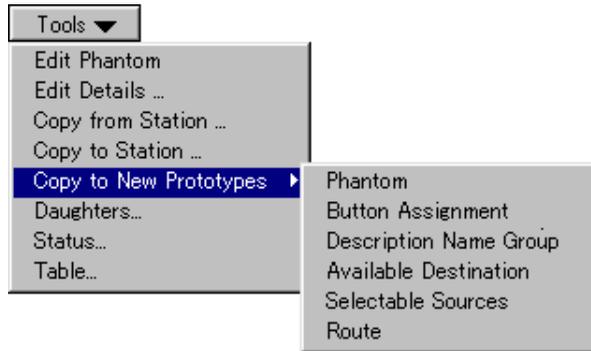
You can register the setting data as a new prototype in the Prototypes for Panels dialog box.

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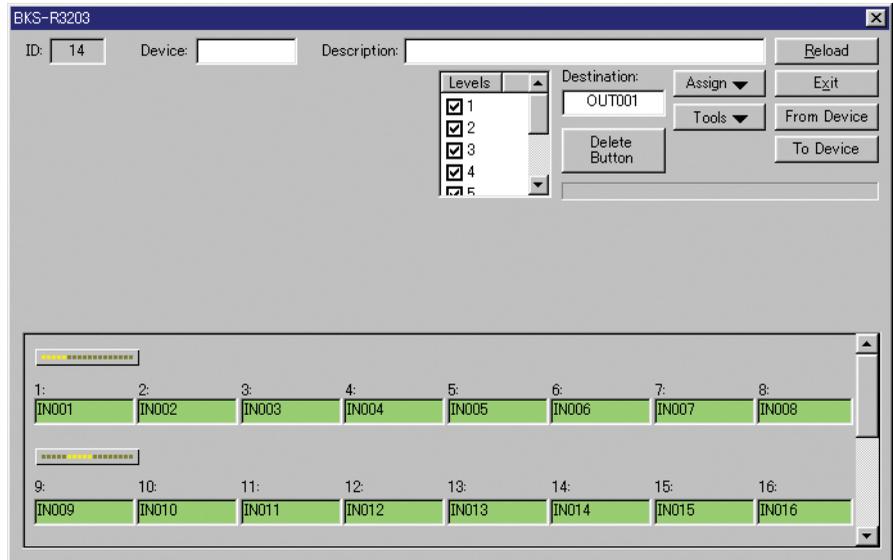
The number of buttons differs between the BKS-R1601 and BKS-R3203. Only Sources are assigned to the buttons.

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

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

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.
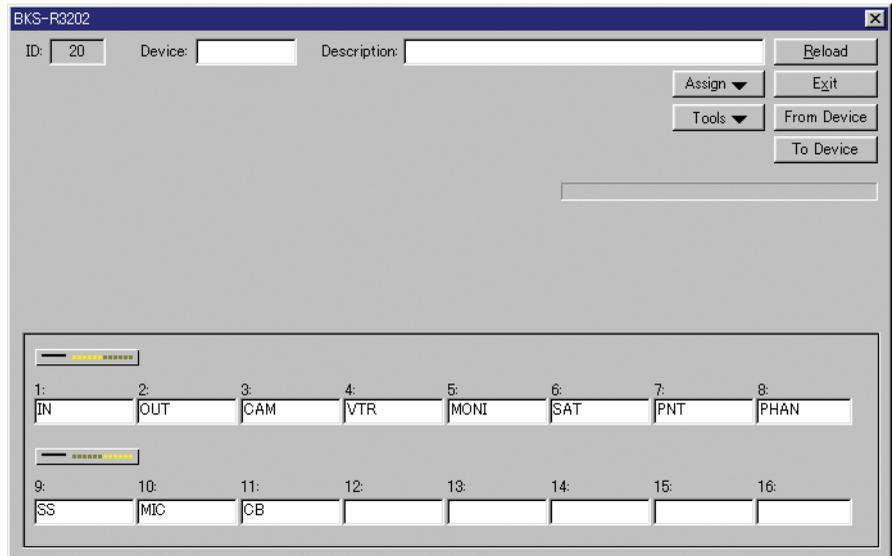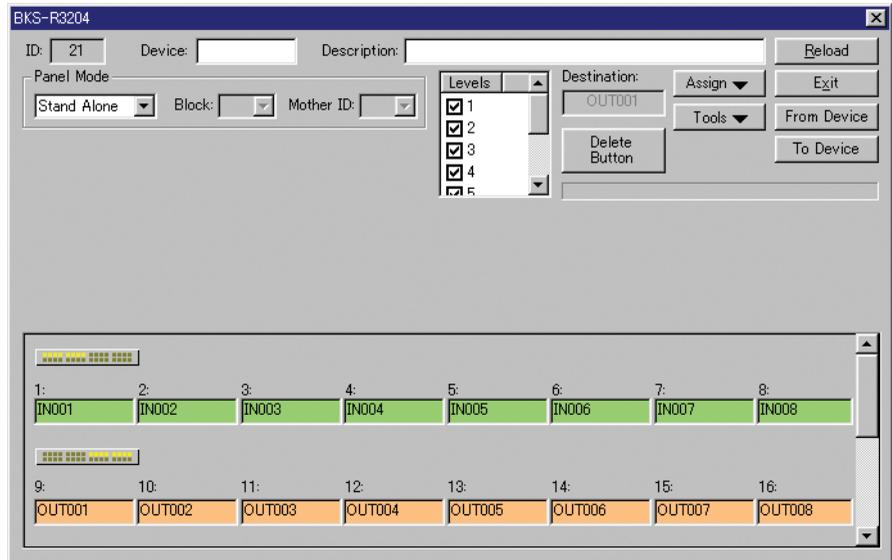You can make settings on 32 buttons of the BKS-R3204 and BKS-R3205, and on 16 buttons of the BKS-R3206 in Direct Select mode.

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

For the BKS-R3206, settings for 16 Destinations are added. Therefore setting item Destination: does not appear.

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:

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.

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.
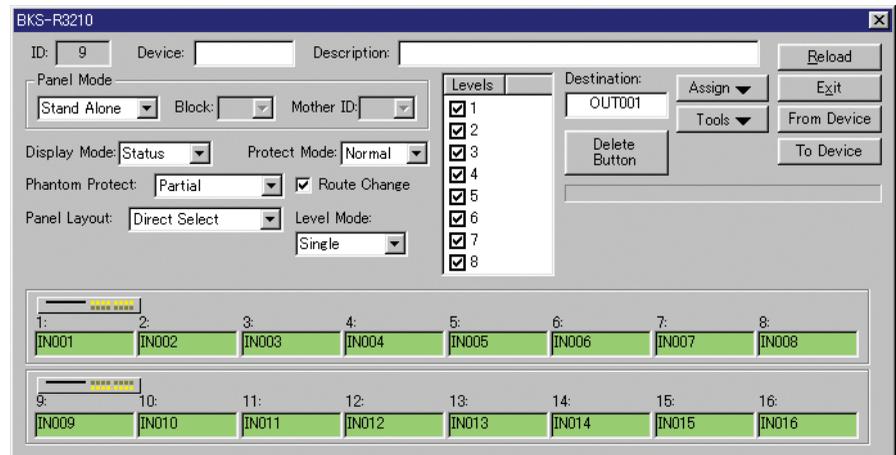
Panel Layout: (BKS-R3210 only)
  Select either "Type + Number" or "Direct Select."
  Type + Number: Source and Destination are specified with the type and number, and are switched with TAKE.
  Direct Select: Source and Destination are directly specified and switched.

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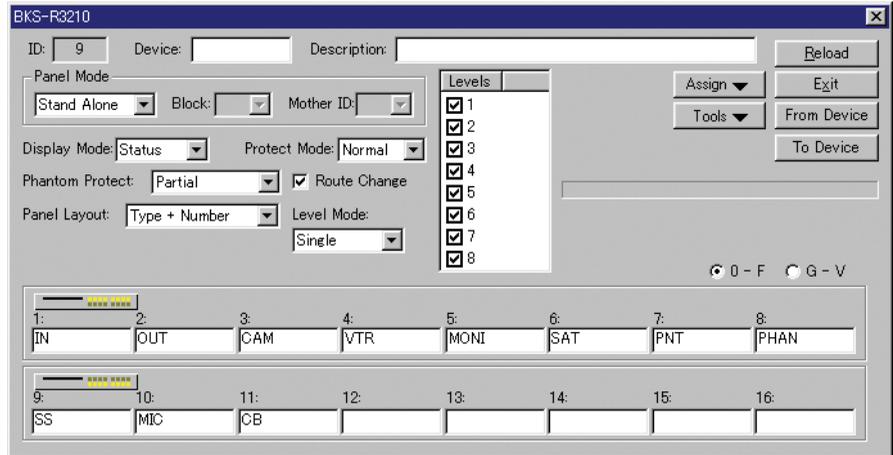
0-F/G-V: (in Type + Number mode of the BKS-R3210 only)
When Panel Layout is set to Type + Number, the first half and the latter half of the Type name indication are switched.

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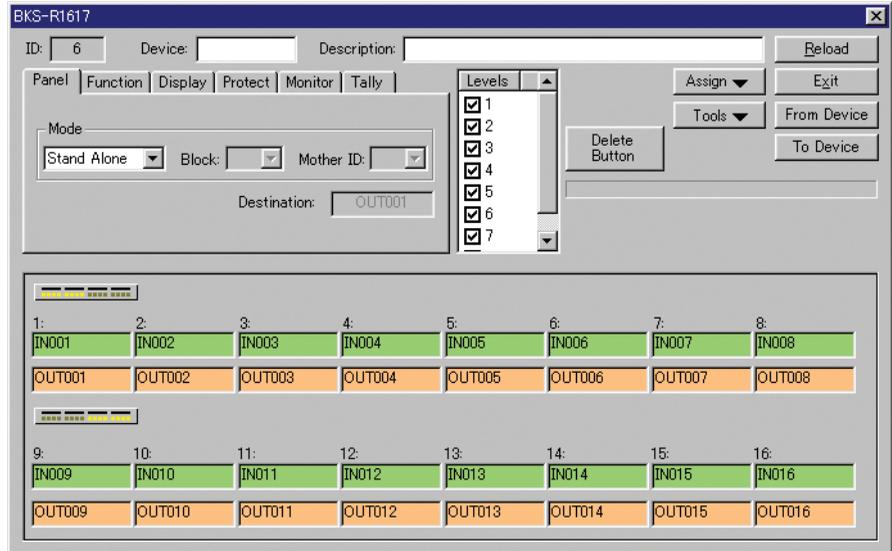
You can make settings on 16 buttons of the BKS-R1617, BKS-R1618, BKS-R3220 (in Button per Source mode), and BKS-R1621 and on 32 buttons of the BKS-R3219.

The BKS-R1607 and BKS-R1621 can use 16 × 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.

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

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.
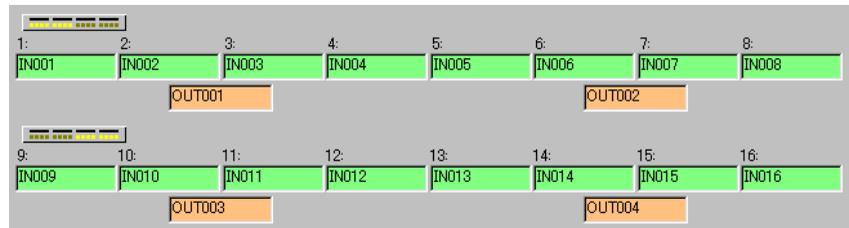
Phantom Change: You may specify the switching operation by Phantom.
    Enable (checked): Switching is done according to the Phantom
    setting.
    Disabled (not checked): The Phantom setting is ignored.

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

4-3 Settings for Devices

Display page

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

Description Name: (BKS-R1617/R1621/R3220 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.

Illumination Level: You may adjust the illumination level in eight steps.

Protect page

Protect Mode: Select whether the Protect setting is to be ignored or not, and also whether the Protect setting is canceled or not.
Normal: The Protect setting is NOT ignored, and NOT canceled.
On Air: The Protect setting is ignored, and NOT canceled.
Flexible: The Protect setting is NOT ignored, and canceled.
Flex OA: The Protect setting is ignored, and canceled.

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.

Monitor page

Signal Monitor: You may specify whether or not you want input and output of the routing switcher system monitored.
Enable (checked): Monitor function is enabled.
Disable (not checked): Monitor function is disabled.

Destination: 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.

Monitor Destination: Automatic Source selection corresponding to the Destination set in "Destination:" on the Panel page is done linking with the Destination specified here.

Monitor Source Offset: 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

The BKS-R3220 has two operation modes.
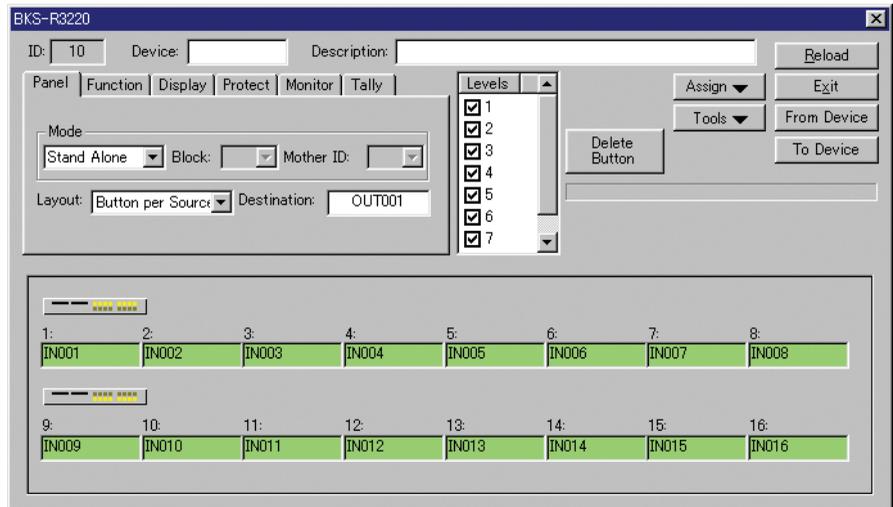
In Type + Number mode of the BKS-R3220, the Type names assigned to the buttons are shown as follows instead of the button settings.
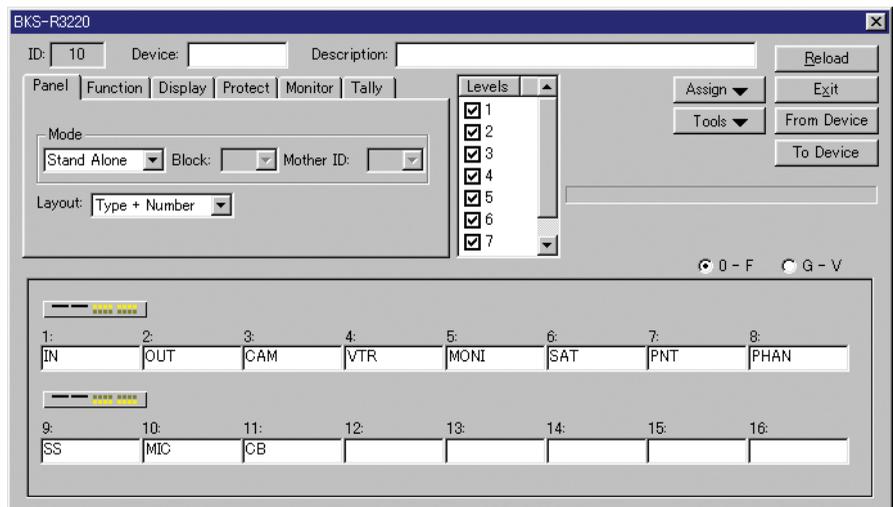
> **0-F/G-V:** (in Type + Number mode of the BKS-R3220 only)
> When Panel Layout is set to Type + Number, the first half and the latter half of the Type name indication are switched.

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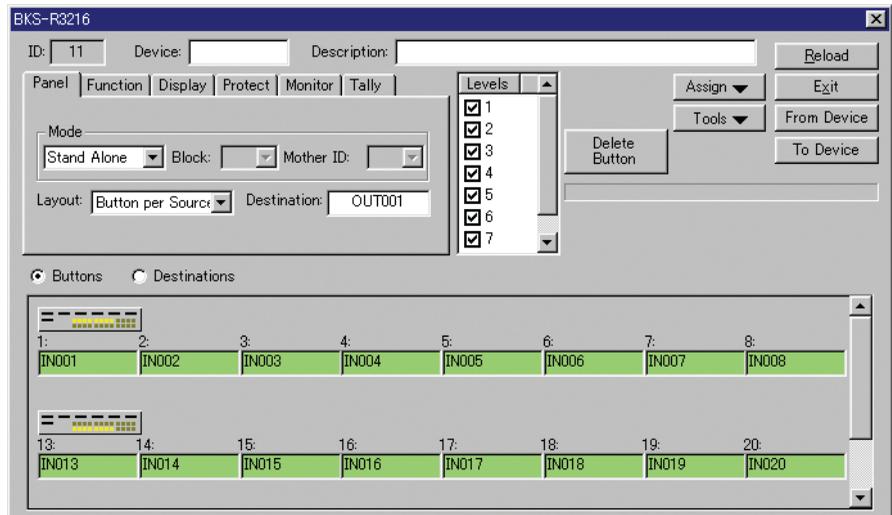
You can make settings on 24 buttons in Button per Source mode of the BKS-R3216.

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.

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

Operation

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).
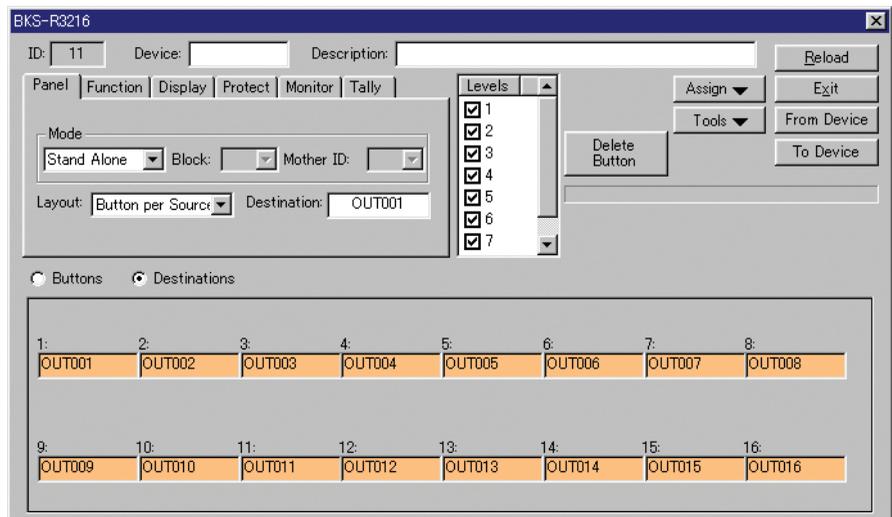
Layout: Select the operation mode.
    Type + Number: Source and Destination are specified with the type and number, and are switched with TAKE.
    Keypad Entry: Description name is specified using the letters and figures assigned to the buttons, and switching is made with TAKE.
    Button per Source: Source and Destination are directly specified and switched.

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

Function page

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.

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

Preset Take: (in Button per Source mode only)
    You may specify the operations for Source selection and TAKE button operation.
    Enable (checked): The source is displayed on the PRESET display when selected, and switched with TAKE.
    Disable (not checked): Switching is done linking with the source selection.

Operation

4-3 Settings for Devices

Display page

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

Description Name: 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.
Normal: The first eight characters are displayed.

Illumination Level: You may adjust the illumination level in eight steps.

Protect page

Protect mode: Select whether the Protect setting is to be ignored or not, and also whether the Protect setting is canceled or not.
Normal: The Protect setting is NOT ignored, and NOT canceled.
On Air: The Protect setting is ignored, and NOT canceled.
Flexible: The Protect setting is NOT ignored, and canceled.
Flex OA: The Protect setting is ignored, and canceled.

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.

Monitor page

Monitor Destination: Automatic Source selection corresponding to the Destination set in "Destination:" on the Panel page is done linking with the Destination specified here.

Monitor Source Offset: 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.

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.
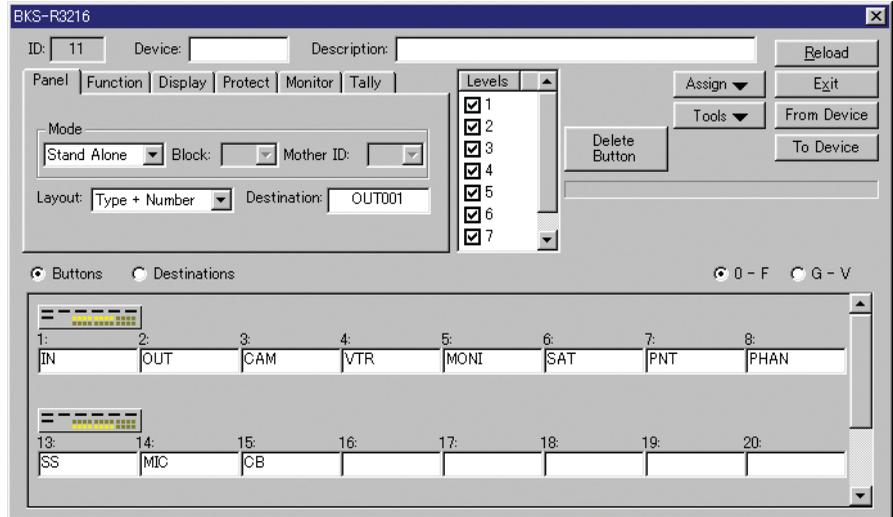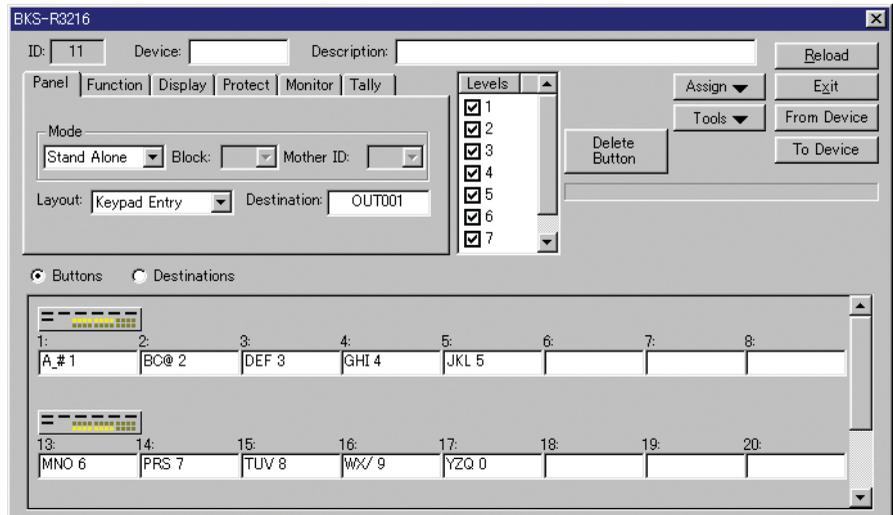

0-F/G-V: (in Type + Number mode only)
When Panel Layout is set to "Type + Number," the first half and the latter half of the Type name indication are switched.

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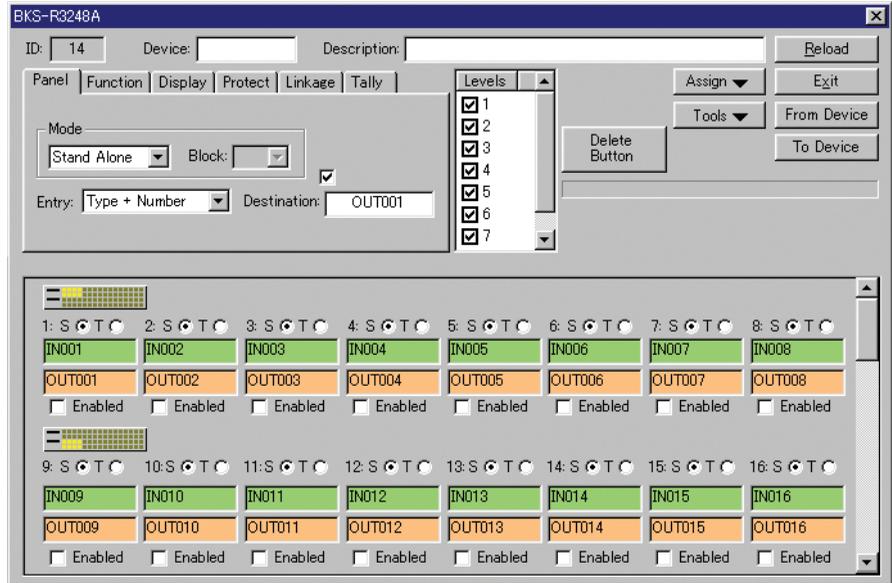
4-3-21 Settings for the BKS-R3240A/R3242A/R3248A

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.

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

Scroll Mode: You may specify the depth of scrolling for the level display for control panel operation.

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

Chop Rate: Set the Chop Rate selected from the Control Panel for Fast, Medium, and Slow. The unit is "Frame."

Display page

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

Status, Preset: Display mode of the display windows on the control panel is selected.
- Type + Number
- Description
- 4 Char.DVS
- 4 Char.Description
- 4 Char.Router
- Direct
- Level

Illumination Level: You may adjust the illumination level in eight steps.

Protect page

Protect (Mode): Select whether the Protect setting is to be ignored or not, and also whether the Protect setting is canceled or not.
Normal: The Protect setting is NOT ignored, and NOT canceled.
On Air: The Protect setting is ignored, and NOT canceled.
Flexible: The Protect setting is NOT ignored, and canceled.
Flex OA: The Protect setting is ignored, and canceled.

Protect (Phantom): 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.

4-3 Settings for Devices

Linkage page

Serial Port: You may specify the protocol used for the REMOTE 2 connector on the rear panel.

Monitor Destination: Automatic Source selection corresponding to the Destination set in "Destination:" on the Panel page is performed by linking with the Destination youspecify here.

Monitor Source Offset: 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

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.

Tally Send: 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.

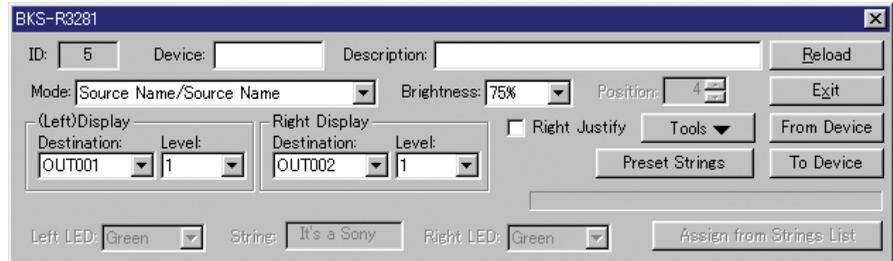**S/T:** Select either Speed Entry or Immediate Take.
Enabled: Select whether the button-setting operation is to be enabled or not on the control panel.

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.

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

```
Tools ▼
```
```
Edit Details ...
Copy from Station ...
Copy to Station ...
Status...
Table...
```
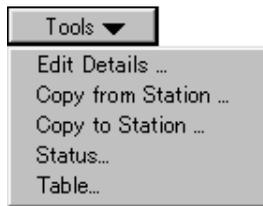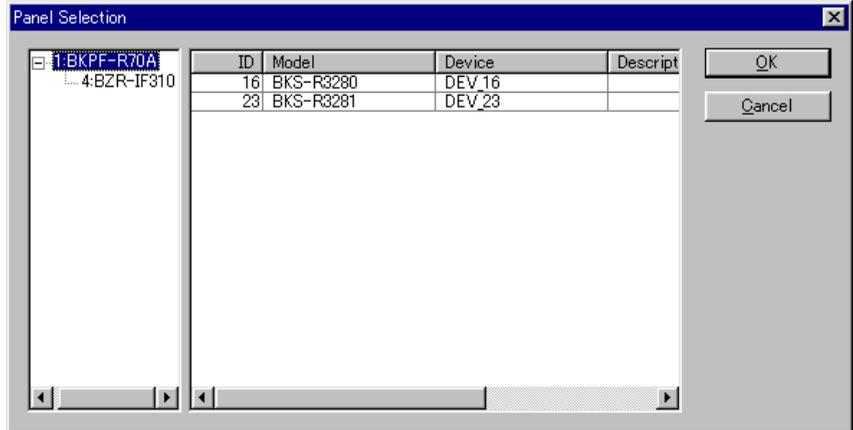
Edit Details:
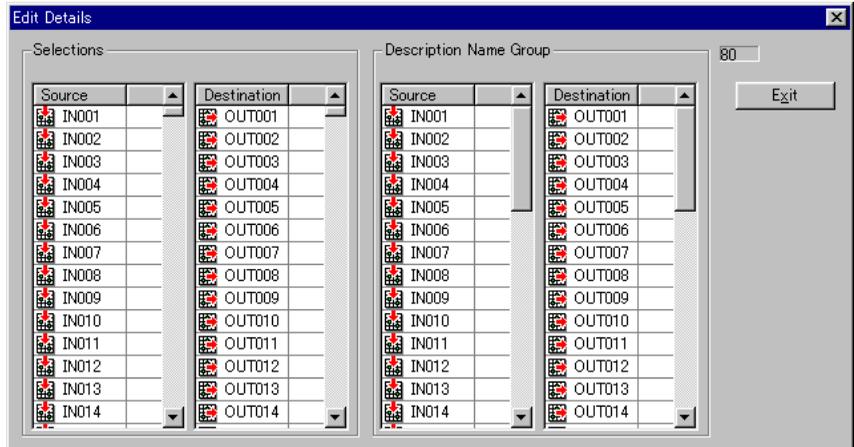
Set the Description Name Group only for the specified devices. The
operation is possible only for the devices connected on the S-BUS.

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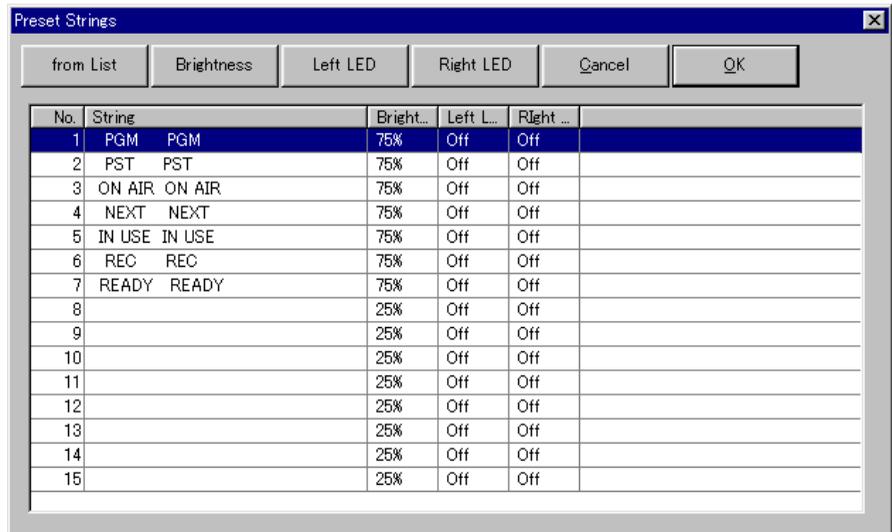
Status:
To display the model name of the device and firmware version. This functions only in the online operation.

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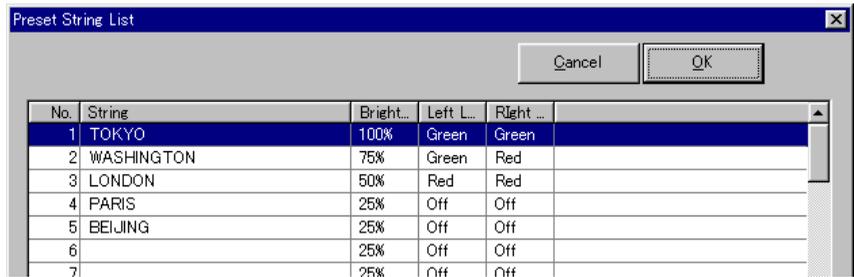To display the table data of the device. This functions only in the online operation.

Preset Strings **button**

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.

No.	String	Bright...	Left L...	Right ...	
1	TOKYO	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.

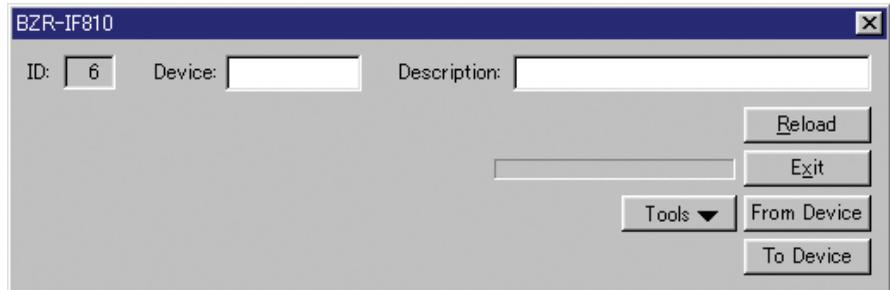Cancel **button:** To quit Preset Strings with all the new settings canceled

OK **button:** To quick Preset Strings with all the new settings stored
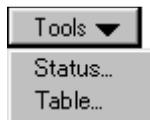
Assign from Strings List **button**
You can copy the setting data already set in the UMD String Configuration dialog box.

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.

4-4 Adding Dialog Boxess for New Secondary-Station Devices

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.
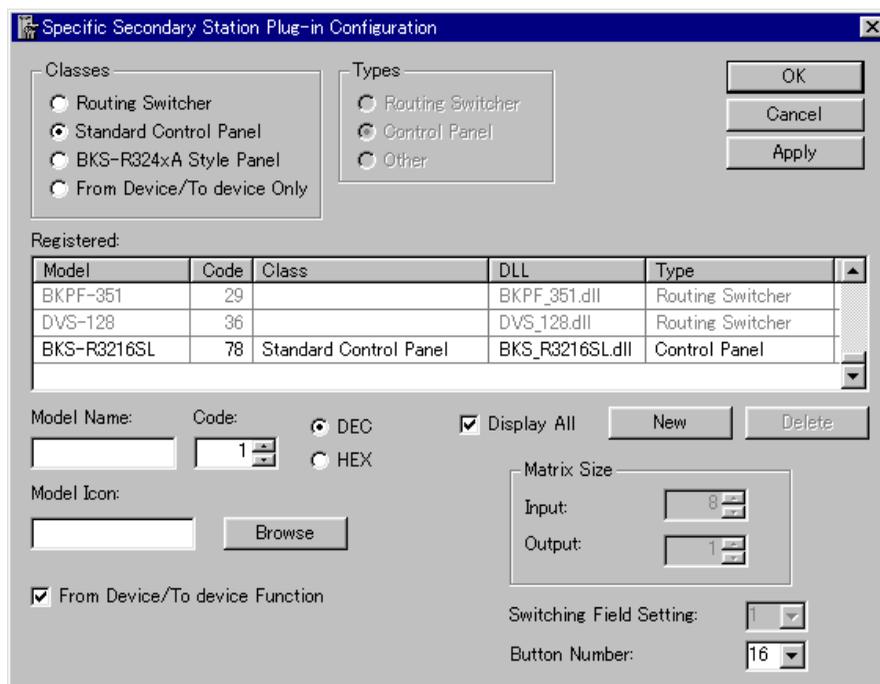
1 Click the ⎡New⎤ button.

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

• BKS-R324xA-Style Panel
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

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 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 Adding Dialogs for the New Secondary-Station Devices

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.
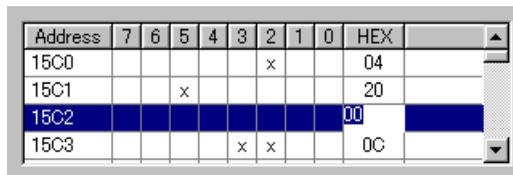
Address	7	6	5	4	3	2	1	0	HEX	
15C0						x			04	
15C1			x						20	
15C2									00	
15C3					x	x			0C	

Operation

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.

Sony Corporation

B & P Company