TOA

SETUP SOFTWARE MANUAL

VOICE SECURITY SYSTEM VS-900

Please follow the instructions in this manual to obtain the optimum results from this unit.
We also recommend that you keep this manual handy for future reference.

TOA Corporation

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1. DESCRIPTION

The PC program (VS900.EXE) described in this manual is software intended for performing the VS-900 system setting.

1.1. System Requirements

OS: Microsoft ® Windows NT ® Workstation 4.0 Service Pack 5
CPU: Pentium ® II, 200 MHz or more
Memory: 64 MByte or more
Hard disk: Free space of 50 Mbyte or more
Monitor: Larger than 14.1 inches
Resolution: 800X600 pixel, 256 colors or more
Other: RS-232C port, 3.5-inch FDD

1.2. Installation

(1) Before starting installation, first exit all other applications and resident programs. You could not properly perform installation if there is any program under execution.
(2) Set the first setup disk.
(3) Press the Start button on the task bar, and select [Run...].
(4) Enter "a:setup" in the name column and press the Enter key. Thereafter, perform installation according to the installer's instructions.

1.3. Start and Exit

Start: Press the Start button on the task bar and select Program -VS-900 - VS-900.
Exit: Either select File - Exit from the menu or press the Exit button.

1.4. Uninstallation (Removal)

(1) Check to be sure that the program for the VS900 PC has not been activated.
(2) Press the Start button on the task bar, and select Settings - Control Panel.
(3) Execute Add/Remove Program and select the Install/Uninstall tab.
(4) Select VS-900 from the listing of Install/Uninstall and press the Add/Remove... button.
(5) The screen will ask you if you delete. Press the Yes button. To abort the deletion, press the No button.
(6) The end message will be displayed, indicating the completion of uninstallation (removal).

Note

Microsoft and Windows NT are the trade marks registered by the United States' Microsoft Corporation in the United States and other countries.
Pentium is the registered trade mark of Intel Corporation in the United States.

2. PROGRAM EXECUTION AND TERMINATION

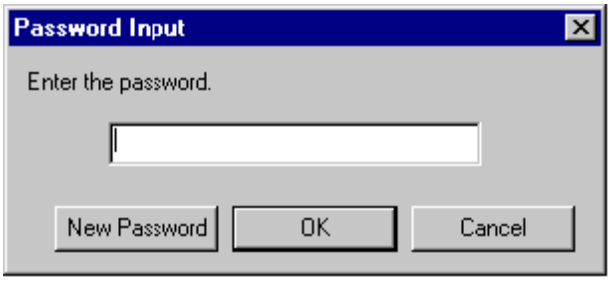
2.1. Program Execution

Start the VS900.exec program. The following password screen will be displayed if a password has been registered. Enter the password. If the password is correct, the settings file will be read and the main screen displayed.

If no settings file is found, the system will revert to default settings and create a new settings file.

2.1.1. Entering the password

Starting the setup program displays the following screen. This screen will not be displayed unless a password has been registered. Use the Maintenance screen to set the password.



Password
A password of up to 20 characters can be entered for the VS900 setting software.

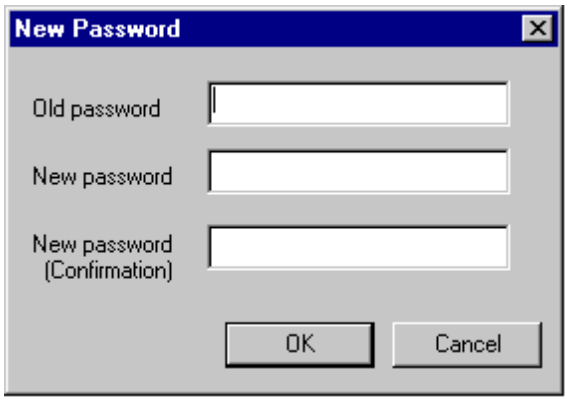
Password Change [New Password Change] Button
Displays the Password Change screen to permit the set password to be changed.

[OK] Button
Displays the main screen when the password is correctly entered.

[Cancel] Button
Exits the password setting screen.

2.1.2. Changing the password

To change the password, press the [New password Change] button. The following screen will then be displayed.



Old Password
Enter the current password.

New Password
Enter the new password.

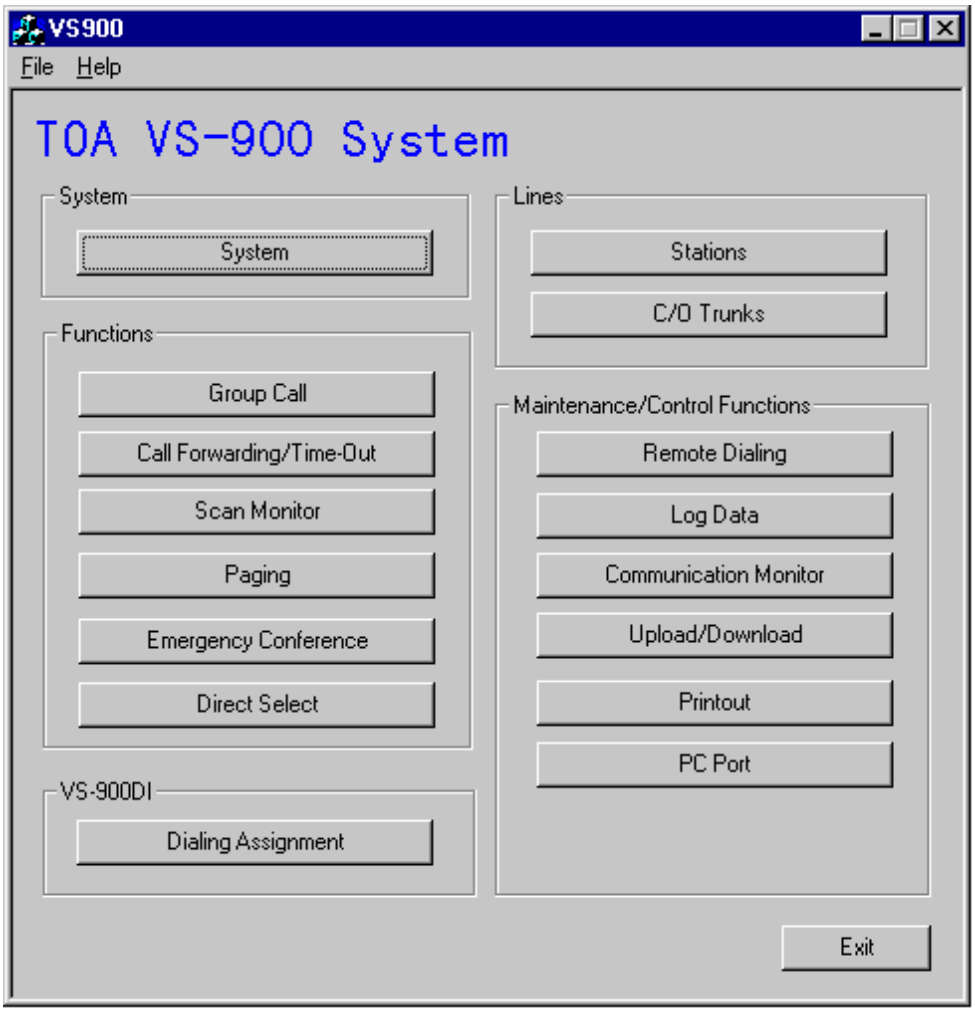
New Password (confirmation)
Enter the new password again.

[OK] Button
Saves the entered password, if correct.

[Cancel] Button
Exits the Setting Change mode to return the display to the Password screen.

2.1.3. Main screen

When a password has been registered, the following screen is displayed if the correct password is entered. If no password has been registered, the following screen is displayed instead of the Password screen.



Notes

- The [Log Data] button lights up in red when pressed.
- The [Communication Monitoring] button lights up in red when pressed.

2.1.4. Program termination

To terminate the program, press the [Exit] button on the main screen or choose [Quit Application] from the File menu.

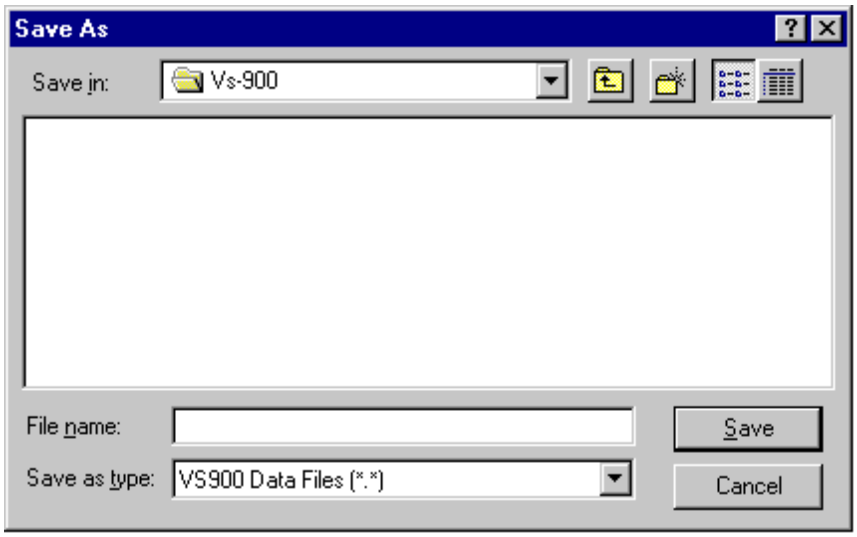
Notes

- A warning message appears if an attempt is made to terminate the program while log data or communication monitoring is requested. In such cases, choose the [Stop] button to terminate the request.
- A warning message appears if an attempt is made to terminate the program without saving changes to the settings file.

3. STORING DATA AND READING DATA FILES

3.1. Data Storage ([Save As] menu)

To save entered data to disk, choose [Save As] from the [File] menu on the main screen. The following screen will then be displayed:



Filename
Enter the filename to save data to.

[Save] Button
Saves data to disk.

[Cancel] Button
Cancels current operation and returns the display to the main screen.

3.2. Overwriting ([Save] menu)

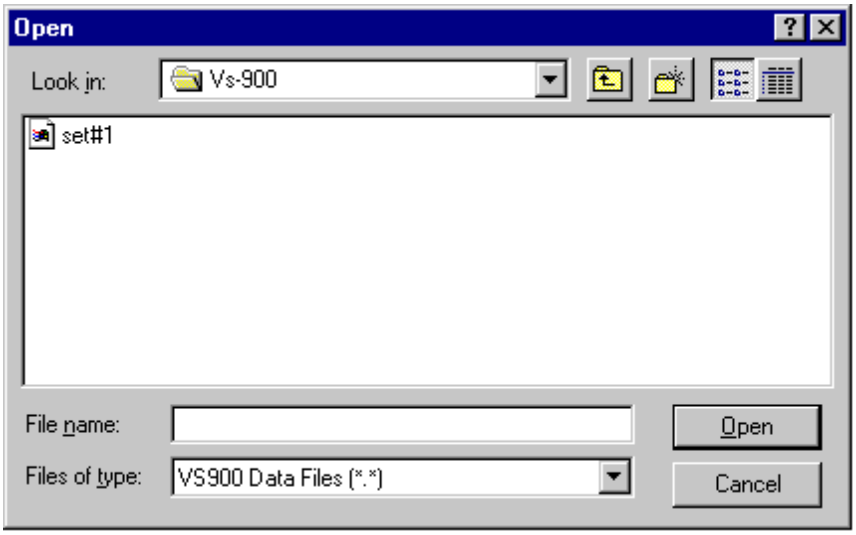
To save changes made to an existing data file, choose [Save] from the [File] menu on the main screen. When there is no filename (i.e. when [New File] is selected from the [File] menu on the main screen), the [Save As] menu is displayed. Enter the new filename and store the file.

Notes

- Overwriting a file already stored on the [Save As] menu updates that file.
- When a filename is designated on the [Open] menu, the designated file is updated when overwritten.
- Overwriting an unnamed data file updates the file with a default name assigned.

3.3. Opening Data Files

To open files stored on disk, choose [Open] from the [File] menu. The following screen will then be displayed.



Filename
Designate the name of the file to open.

[Open] Button
Reads the file from disk.

[Cancel] Button
Cancels current operation and returns the display to the main screen.

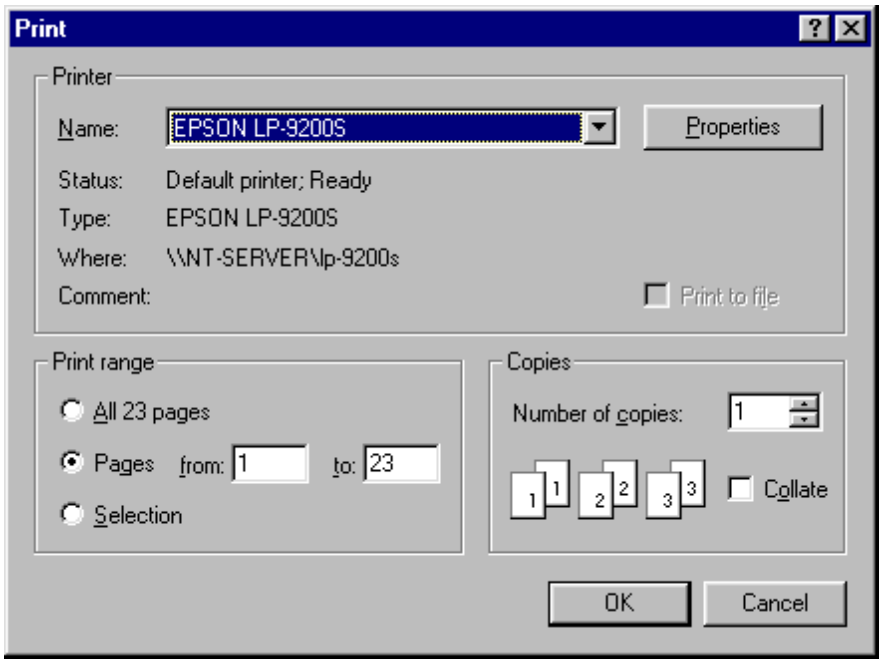
3.4. Creating a New File

To create new default settings, choose [New File] from the [File] menu on the main screen. Creating a new file over the data being edited will delete that data.

4. PRINTING

4.1. Printing

To print setting data, choose [Print] from the [File] menu on the main screen. The following screen will then be displayed:



Printer Name
Set the name of the printer to use.

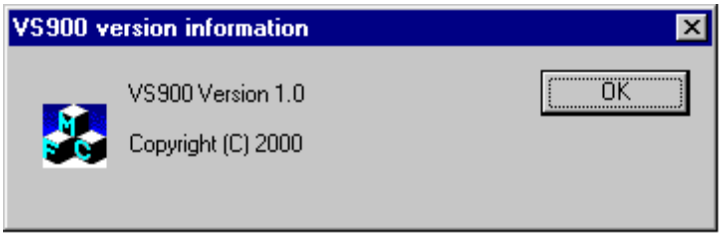
[OK] Button
Prints all setting data. (However, Direct Select Dial settings are not printed.)

[Cancel] Button
Cancels current operation and returns the display to the main screen.

5. HELP

5.1. Version Information

To display information on the VS900's version, choose [VS900 Version Information] from the [Help] menu on the main screen. The following screen will then be displayed:



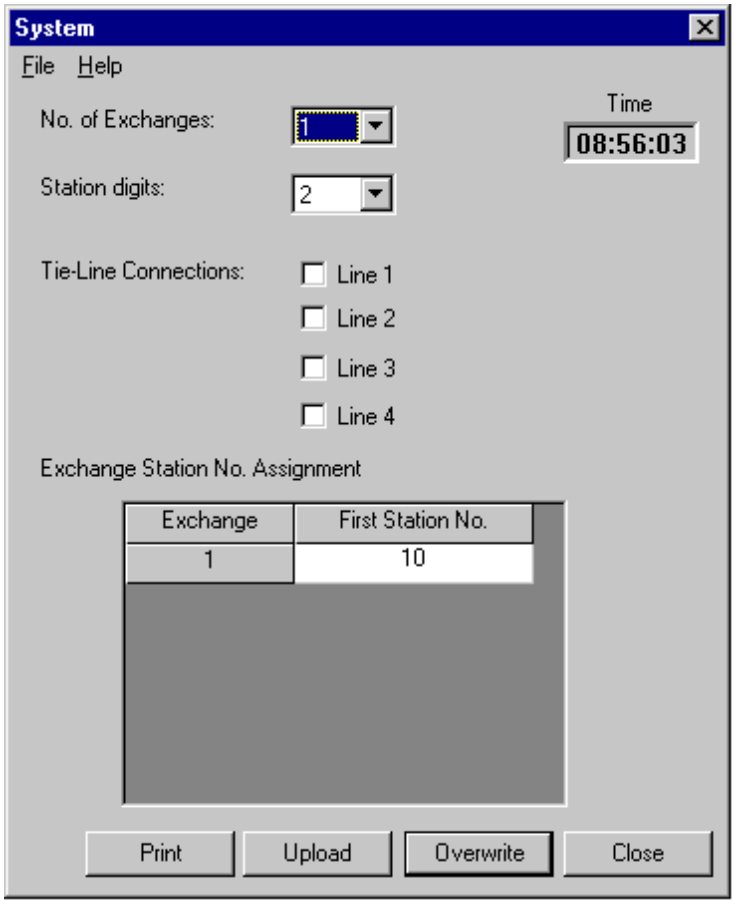
[OK] Button
Returns the display to the main screen.

6. DATA SETTING

6.1. System Setting

6.1.1. System Setting

This menu is used for all system settings. Pressing the [System] button on the main screen displays the following screen:



Current Time
Indicates the current time (hour/minute/second).

Number of Exchanges [No. of Exchanges:]
Designates the number of exchanges to be used in the entire system (1 – 16).

Station Number Digit [Station digits:]
Sets the digit length (2 – 6) to be used to label the system's station numbers.

Tie-Line Connection Line
Designates whether or not to use tie-line connection lines 1 – 4.

Exchange setting (table)

Exchange Number [Exchange]
Indicates each of the connected exchanges (1 – 16).

First Station Number
Sets the first substation number to be connected to each exchange. The station number range depends on the set station number digit length.

Note

When the number of exchanges decreases, the corresponding exchange is deleted from the table. When the number of exchanges increases, set the first station number for the corresponding exchange.

[Print] Button

Prints currently edited data. Note that the currently edited data are not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

Saves set data.

[Close] Button

Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

Note

Pressing the [Upload] or [Overwrite] button permits confirmation of the following settings:

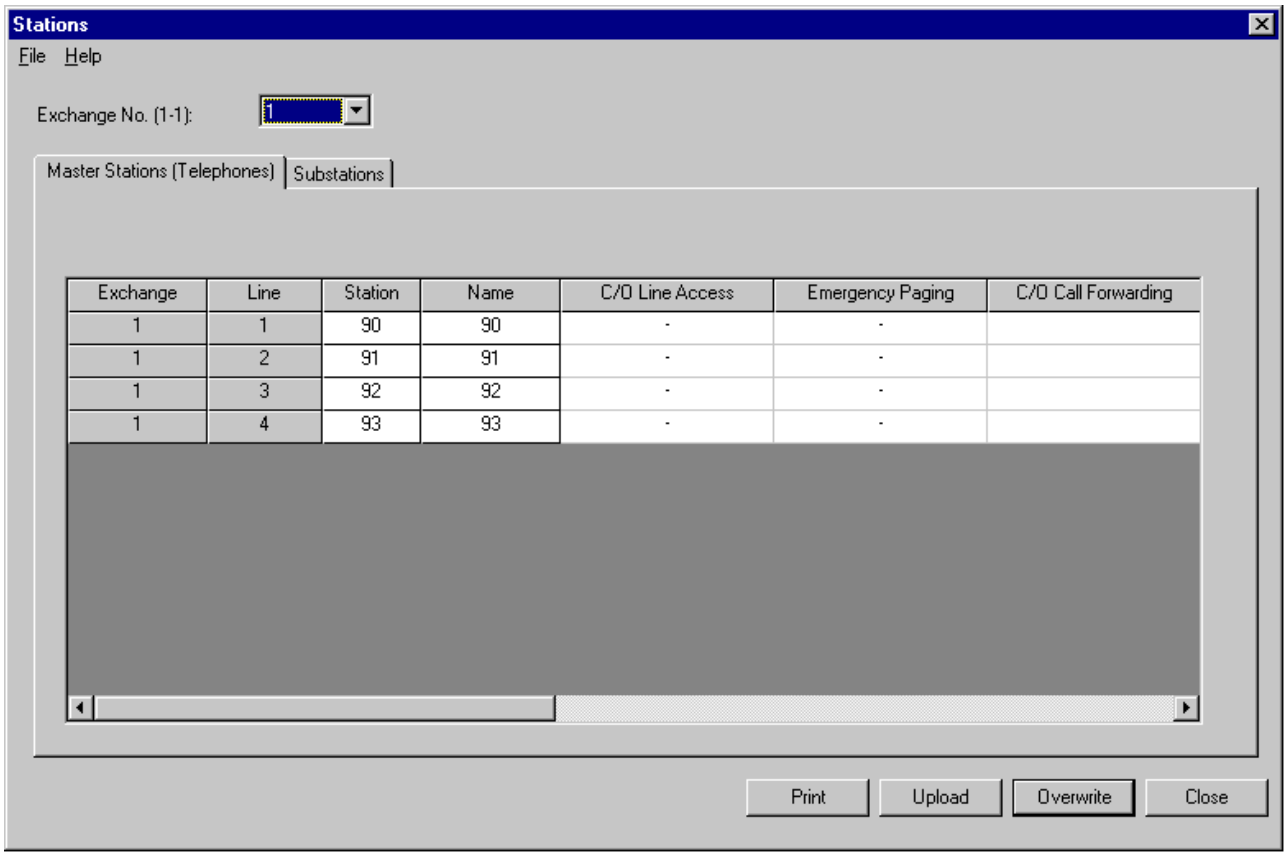
(1) Duplication of the first station number
(2) Digit length of the first station number can be checked.

6.2. Line Setting

6.2.1. Station setting

[Master station/telephone setting]

To perform the master station/telephone setting, press the [Stations] button. The following screen will then be displayed.



Exchange Designation

Exchange Number

Selects individual exchange numbers (No. 1-up to the total number of exchanges, or ALL).

Master Station/Telephone Setting (table)

Note

Four stations are always displayed per exchange. (When "ALL" is selected, settings of all exchanges in the set number are simultaneously displayed.)

Exchange Number [Exchange]

Displays the exchange number.

Line Number [Line]

Displays the line number. (1 – 4)

Station Number [Station]

Sets the station number. Each station number must be of the same digit length set on the System Setting screen.

Station Name [Name]

A name of up to 8 alphanumeric characters can be entered. When the station number is entered, the same number is automatically displayed as a default station name.

Access to Outgoing Calls [C/O Line Access]

Sets whether or not each station is permitted access to the telephone line.

Emergency Paging [Emergency Paging]

Sets whether or not each station is permitted access to Emergency paging.

Outside Line Call Forwarding Receiving Telephone Number [C/O Call Forwarding]

Sets the receiving telephone number to which telephone calls are automatically rerouted. (Up to 20 digits)

Note

Enter a hyphen (-) when using a pause in the telephone number.

Manual Call Forwarding Receiving Station [Call Forwarding]

Set the master station number or an outside line access number to receive manually-forward calls. The station numbers connected to all exchanges can be programmed. The outside line access number must be identical to that which has been assigned to the exchange the corresponding master station is connected to. It is also possible not to designate any receiving station by pressing the Enter key.

Time-Based Call Forwarding Receiving Station [Time-Based Call Forwarding]

Set the master station number or an outside line access number to receive calls automatically forwarded while the system is in Time-Based Forwarding mode. The station numbers connected to all exchanges can be programmed. The outside line access number must be identical to that which has been assigned to the exchange the corresponding master station is connected to. It is also possible not to designate any receiving station by pressing the Enter key.

Busy Call Forwarding Receiving Station [Busy Call Forwarding]

Set the master station number or an outside line access number to receive calls automatically forwarded while the system is in Busy Call Forwarding mode. The station numbers connected to all exchanges can be programmed. The outside line access number must be identical to that which has been assigned to the exchange the corresponding master station is connected to. It is also possible not to designate any receiving station by pressing the Enter key.

No-Answer Call Forwarding Receiving Station [No-Answer Call Fwd]

Set the master station number or an outside line access number to receive calls automatically forwarded while the system is in No-Answer Call Forwarding mode. The station numbers connected to all exchanges can be programmed. The outside line access number must be identical to that which has been assigned to the exchange the corresponding master station is connected to. It is also possible not to designate any receiving station by pressing the Enter key.

Notes

- Stations can be maed inoperative by pressing the [Del] key while the corresponding line is selected.
- All setting data for such invalidated stations, except exchange and station numbers, will be erased.
- Invalid stations may be located between valid stations.
  Example: Equipment No. 1: Valid; No. 2: Valid; No. 3: Invalid; No. 4: Valid; etc.

[Print] Button

Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

Saves set data.

[Close] Button

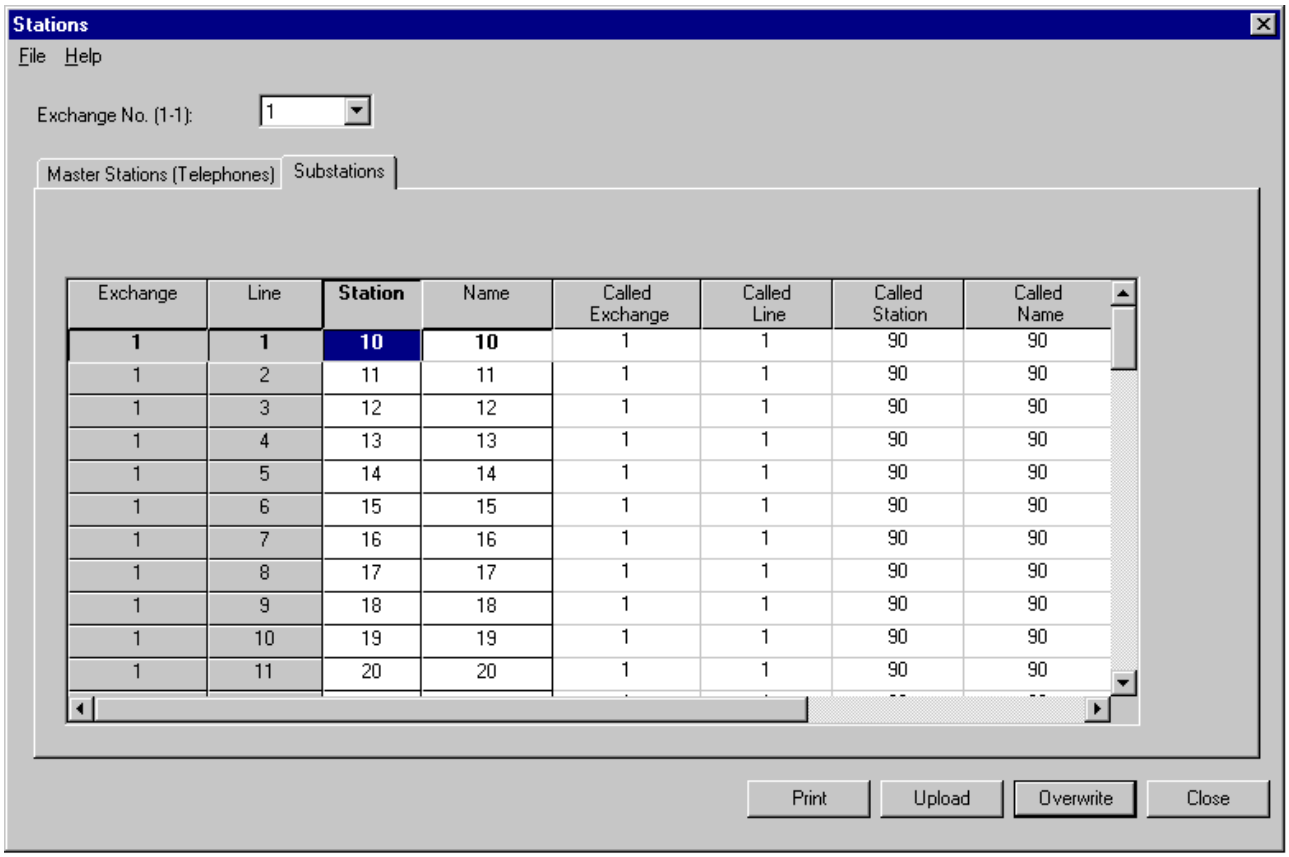
Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

Note

Pressing the [Upload] or [Overwrite] button permits confirmation of first station number duplication.

[Substation setting]

To perform the substation setting, press the [Stations] button on the main screen, and then the [Substation] button. The following screen will then be displayed.



Exchange Designation

Exchange Number

Selects the exchange number. (No.1-up to the total number of exchanges, or ALL)

Substation Setting (table)

Note

Sixty-four stations are always displayed per exchange. (When "ALL" is selected, settings of all exchanges in the set number are simultaneously displayed.)

Exchange Number [Exchange]

Displays the exchange number.

Line Number [Line]

Displays the line number. (1 – 64)

Substation Number [Station]

Sets the station number with in the range beginning at the selected exchange's first designated station number and ending at the number immediately preceding the next exchange's first station number. (Refer to the system setting.)

Substation Name [Name]

A name of up to 8 alphanumeric characters can be entered.

Called Station Exchange Number [Called Exchange]

Sets the exchange number to which all master station/telephone calls will be connected.

Called Station Line Number [Called Line]

Sets the called master station/telephone line number.

Called Station Number [Called Station]
Sets the called master station/telephone number.

Called Station Name [Called Name]
Sets the called master station/telephone name.

Call Priority [Call Priority]
Selects the call priority level: Normal or Emergency.

Notes

- Inoperative stations can be invalidated by pressing the [Del] key while the corresponding line is selected.
- All setting data for such invalidated stations, except exchange and station numbers, will be erased.Invalid stations may be located between valid stations.
- Invalid stations may be located between valid stations.
  Example: Equipment No. 1: Valid; No. 2: Valid; No. 3: Invalid; No. 4: Valid; etc.

[Print] Button
Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button
Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, currently edited data is not transmitted to the computer.

[Overwrite] Button
Saves set data.

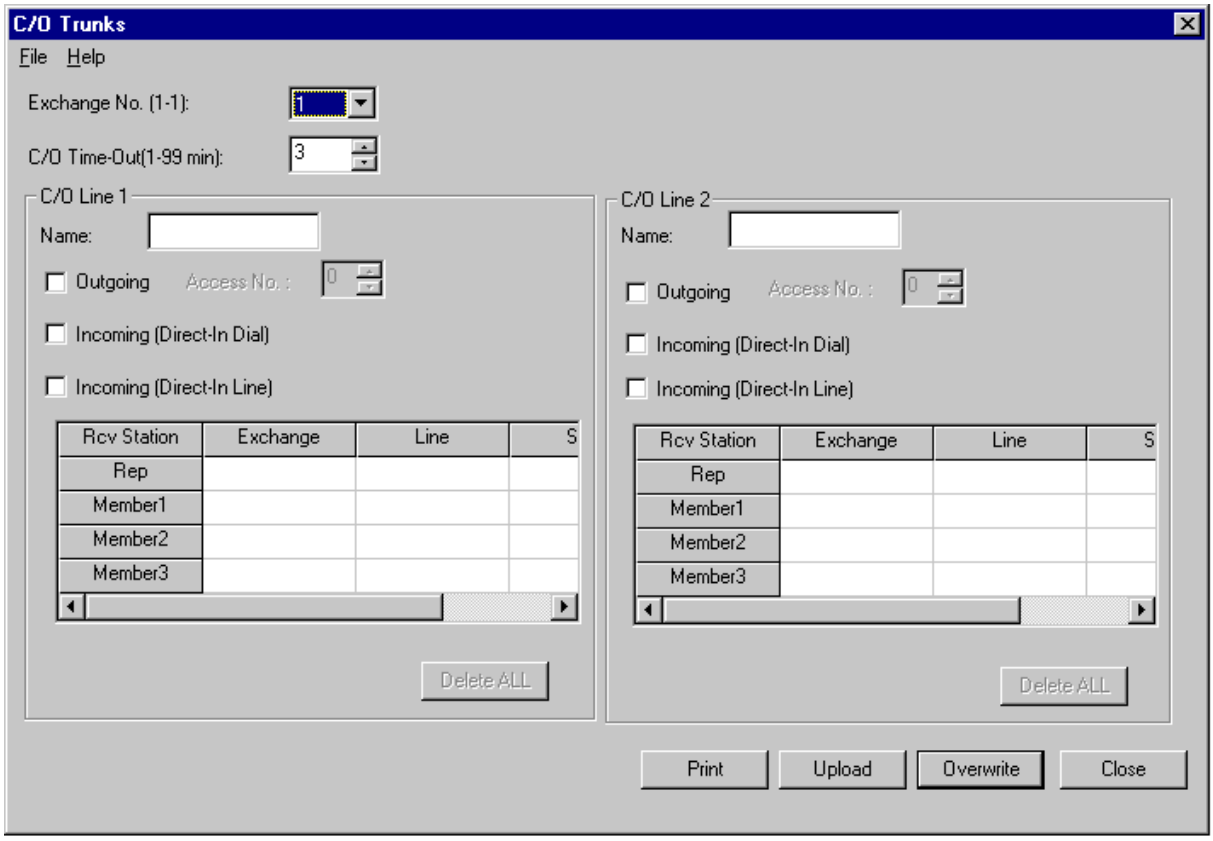
[Close] Button
Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

Note

Pressing the [Upload] or [Overwrite] button permits confirmation of first station number duplication.

6.2.2. Outside line setting

To perform the outside line setting, press the [C/O Trunks] button. The following screen will then be displayed.



Exchange Designation

Exchange number

Selects the exchange number. (No. 1-up to the total number of exchanges.)

Outside Line Connection Time-Out

Outside Line Connection Time-Out [C/O Time-Out (1 – 99min)]

Sets a fixed time limit for telephone conversations. (1 – 99 minutes)

C/O Line (1 and 2) settings

Name

Sets the name of the line.

Outgoing Call Access Number

Sets the access number for outgoing calls on the external line (0 – 9). Note that this setting is invalid for those stations designated as "receiving-only."

Direct-In Dialing [Incoming (Direct-in dial)]

Selects this service.

Direct-In Line [Incoming (Direct-in line)]

Selects this service.

Receiving Station [Rcv Station]

When using the Direct-In line service, set a receiving station group consisting of a representative station [Rep] and 1 to 3 member stations. To set the stations, designate both the exchange and line numbers for each master station (telephone). The station number and its name will then be displayed for the set master station (telephone).

Note

The contents of a selected line can be deleted with the [Del] key.

[Delete ALL] Button

Displays the confirmation message. Pressing the [OK] button deletes and stores all of the above receiving station settings. The depression of the [Delete ALL] button can be canceled by pressing the [CANCEL] button.

[Print] Button

Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange setting and stores the change. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

Saves set data.

[Close] Button

Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made to the settings of Lines 1 and 2.

Note

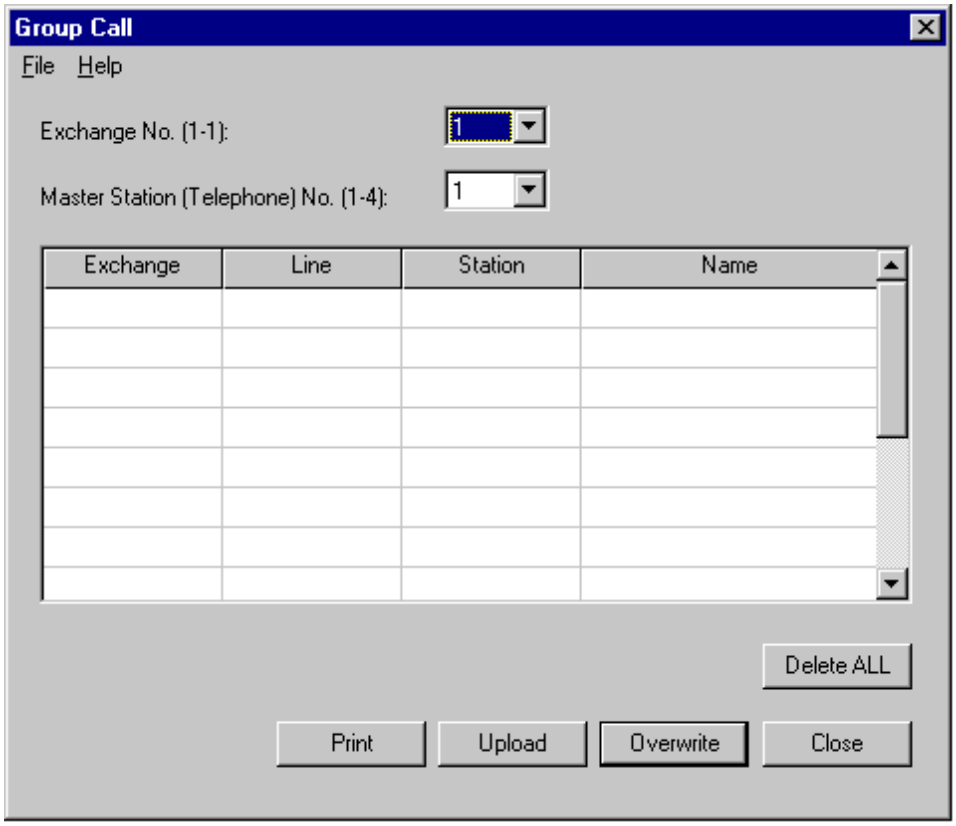
Pressing the [Upload] or [Overwrite] button permits confirmation of the following settings:

(1) Representative station setting.
(2) Master stations (telephones) number duplication.

6.3. Function Setting

6.3.1. Group Call setting

To perform the Group Call setting, press the [Group Call] button on the main screen. The following screen will then be displayed.



Exchange Designation

Exchange Number

Sets the exchange number to use. (No. 1-up to the total number of exchanges)

Master Station/Telephone line Number

Selects the line number (No. 1 – No. 4) of the master station. (telephone)

Master Station/Telephone Designation (table)

Note

Fifteen stations are always displayed.

Exchange Number [Exchange]

Sets the exchange number (No. 1 – No. 16) of the master station or telephone.

Line Number [Line]

Sets the Line number (No. 1 – No. 4) of the master station (telephone).

Station Number [Station]

Displays the station number of the master station (telephone).

Station Name [Name]

Displays the name of the master station (telephone).

Note

The contents of a selected line can be deleted with the [Del] key.

[Delete ALL] Button

Displays the confirmation message. Pressing the [OK] button deletes and stores all of the above master station/telephone settings. The depression of the [Delete ALL] button can be canceled by pressing the [CANCEL] button.

[Print] Button

Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

Saves set data.

[Close] Button

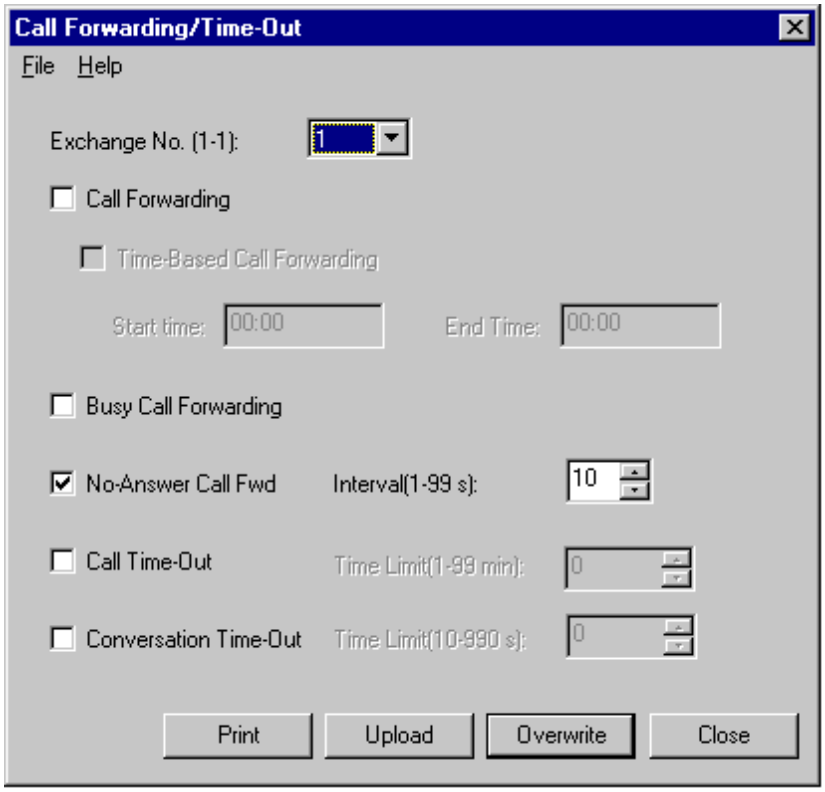
Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made to the master station/telephone setting.

Note

Pressing the [Upload] or [Overwrite] button permits confirmation of duplication of the stations having the same exchange and equipment numbers in a single station group.

6.3.2. Call Forwarding/Time-Out settings

Pressing the [Forwarding/Time-Out] button on the main screen displays the following screen:



Exchange Designation

Exchange Number

Selects the exchange number. (No. 1-up to the total number of exchanges)

Function Setting

Call Forwarding [Call Forwarding]

Enable/Disables the Call Forwarding function. Checking off the box makes this function available.

Time-Based Call Forwarding [Time-Based Call Forwarding]

Enables/Disables the Time-Based call forwarding function by its start and end times.

Start Time

Sets the hour and minute the call forwarding interval will begin. (00:00 – 23:59)

End Time

Sets the hour and minute the call forwarding interval will end. (00:00 – 23:59)

Busy Call Forwarding [Busy Call Forwarding]

Enables/Disables the Busy Call Forwarding function. If the box is checked off, calls received while the station line is busy are transferred.

No-Answer Call forwarding [No-Answer Call Fwd]

Enables/Disables the No-Answer Call forwarding function. If the box is checked off, calls are transferred when no response is detected within the preset interval.

Calling Interval [Interval (1 – 99s)]

Sets the stations calling interval for calling interval limitation. (1 – 99 seconds)

Call Time-Out [Call Time-Out]

Enables/Disables the call time-out function. If the box is checked off, calls are terminated when no response is made within the preset interval.

Time Limit [Time Limit (1 – 99min)]

Sets the stations calling interval for calling interval limitation (1 – 99 minutes).

Conversation Time-Out [Conversation Time-Out]

Enables/Disables the station conversation time limiter. If the box is checked off, conversations are automatically terminated when the time limit is reached.

Time Limit [Time Limit (10 – 990s)]

Sets the conversation time limit (10 – 990 seconds).

[Print] Button

Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

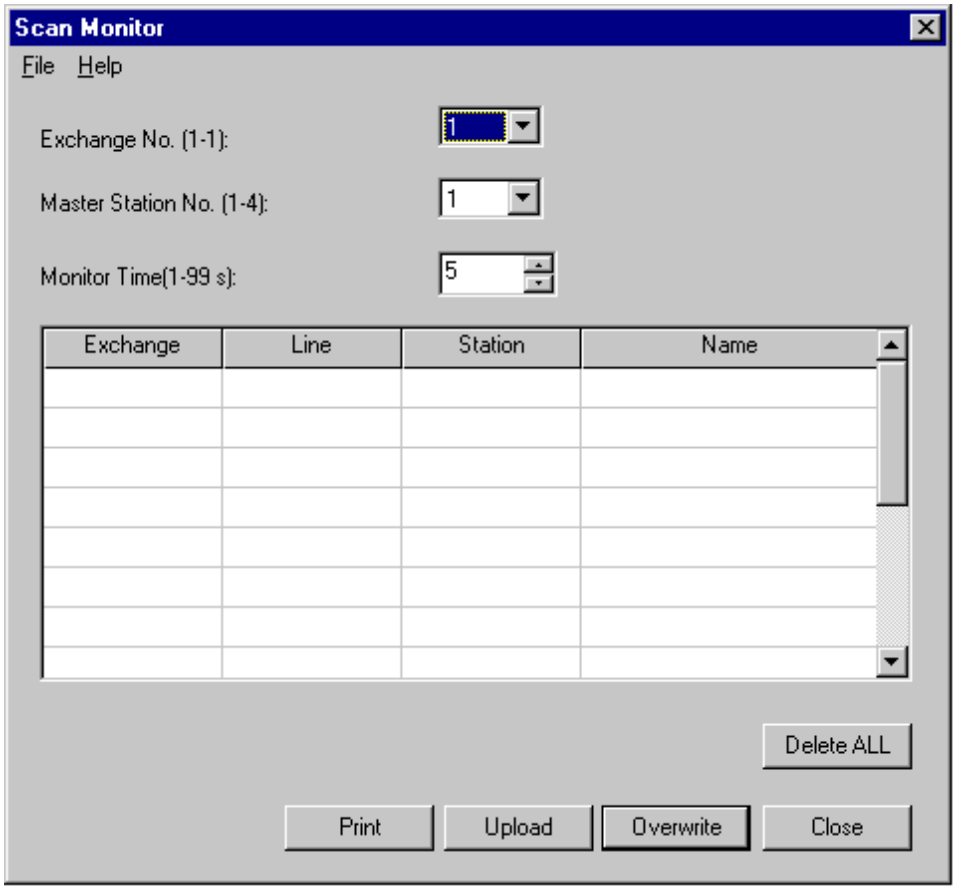
Saves set data.

[Close] Button

Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

6.3.3. Scan Monitor setting

To set the scan monitor group, press the [Scan Monitor] button on the main screen. The following screen will then be displayed.



Exchange Designation

Exchange Number

Selects the exchange number (No. 1-up to the total number of exchanges).

Master Station Line Number

Selects the line number (1 – 4) of the master station.

Monitoring Time

Monitoring Time [Monitor Time (1 – 99s)]

Sets the scan-monitor time interval (1 – 99 seconds).

Substation Settings (table)

Note

Sixteen substations are always displayed per exchange.

Exchange Number [Exchange]

Sets the number of the exchange to which the substation is connected (1 – 16).

Line Number [Line]

Sets the substation equipment number. (1 – 64)

Substation Number [Station]

Sets the substation number.

Substation Name [Name]

Sets the substation name.

Note

The contents of a selected line can be deleted with the [Del] key.

[Delete ALL] Button

Displays the confirmation message. Pressing the [OK] button deletes and stores all of the above substation settings. If the [CANCEL] button is pressed, the depression of the [Delete ALL] button is canceled.

[Print] Button

Prints currently edited data. Note that the currently edited data is not stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

Saves set data.

[Close] Button

Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

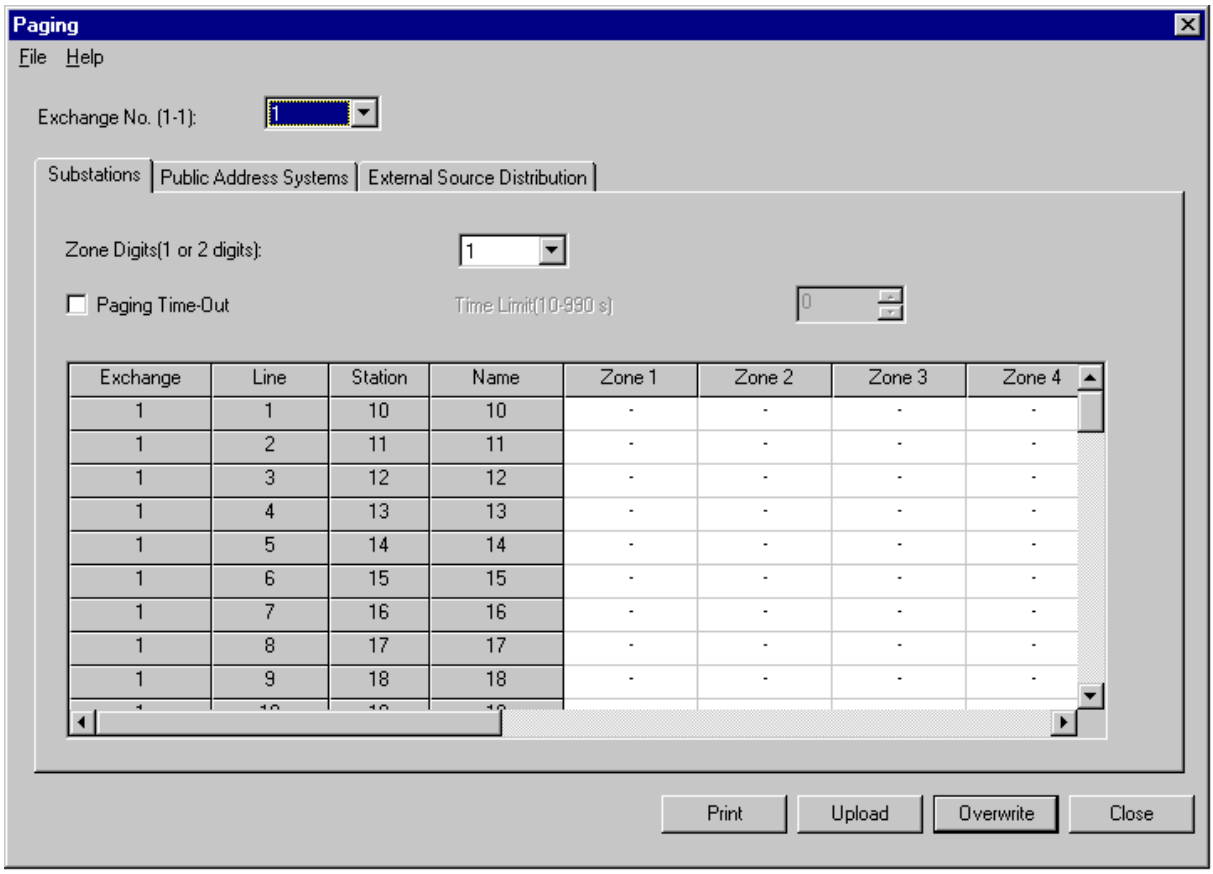
Note

Pressing the [Upload] or [Overwrite] button permits checking for duplicate stations with the same exchange and equipment numbers in a single station group.

6.3.4. Paging setting

[Paging setting]

To perform the paging setting, press the [Paging] button on the main screen. The following screen will then be displayed.



Exchange Designation

Exchange Number

Selects the exchange number (No. 1-up to the total number of exchanges).

Zone Designation

Zone Number Digit [Zone Digit (1 or 2 digits):]

Selects the length of the digit to be used to label the paging zone numbers (1 – 2).

Paging Time Designation

Paging Time-Out

Sets a paging time limit (10 – 990 seconds).

Substation Settings (table)

Note

Nineteen zones are always displayed per exchange.

Exchange Number [Exchange]

Displays the exchange number to which the substation is connected.

Line Number [Line]

Displays the substation's equipment number.

Substation Number [Station]

Displays the substation number.

Substation Name [Name]

Displays the substation's name.

Zone

Up to 19 zones can be created.

V: Already registered.

–: Not yet registered.

X: Cannot be registered.

Substations assigned an "Urgent" priority level in the substation setting.

Invalid substations.

Note

Substations can be made inoperative by selecting the corresponding line and pressing the [Del] key.

[Print] Button

Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

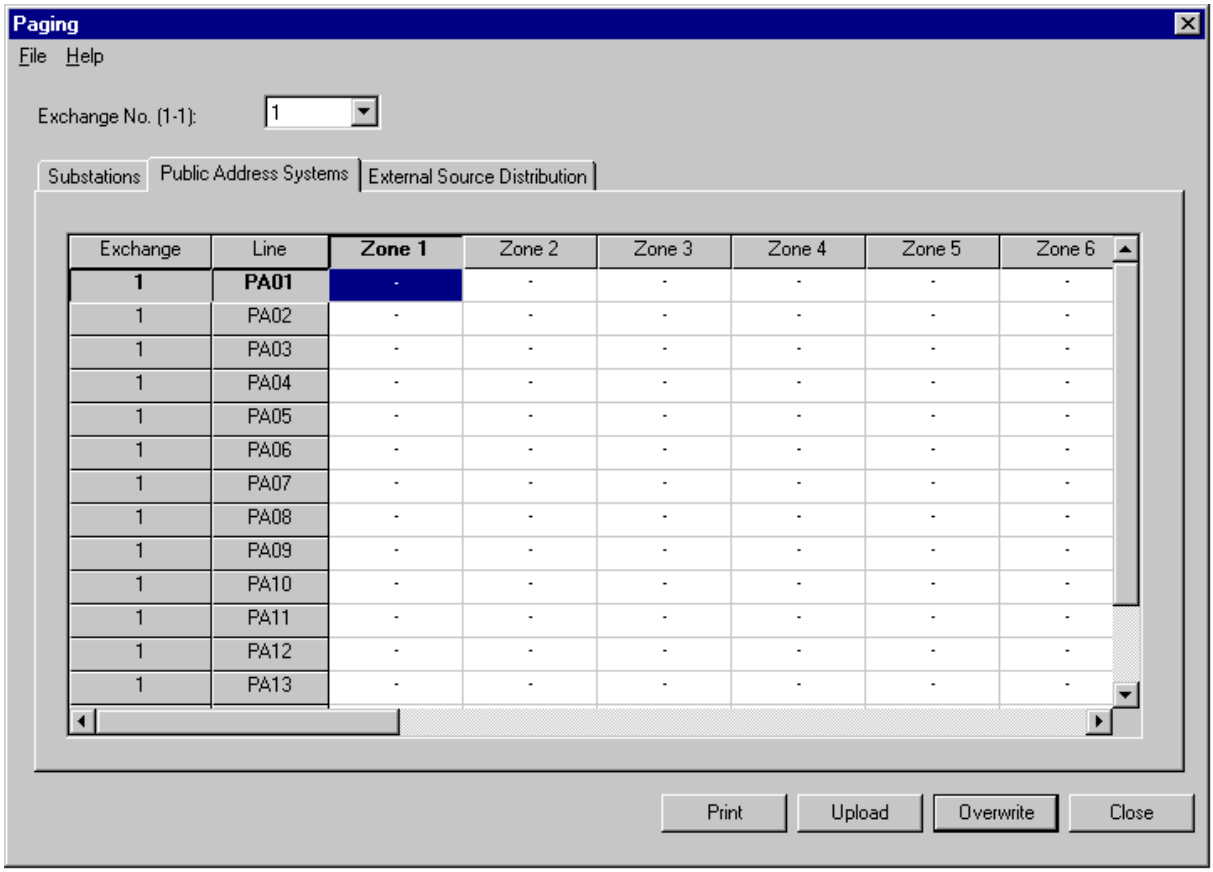
Saves set data.

[Close] Button

Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

[Public address equipment setting]

To perform the public address equipment setting, first press the [Paging] button on the main screen, and then the [Public Address System] tab. The following screen will then be displayed.



Exchange Designation

Exchange Number

Selects the exchange number (No. 1-up to the total number of exchanges).

Equipment Designation (table)

Note

Nineteen zones are always displayed per exchange.

Exchange Number [Exchange]

Displays the exchange number to which public address equipment are connected.

Line Number [Line]

Displays the line number (PA01 – PA16) of the public address equipment.

Zone

Up to 19 zones can be created.

V: Already registered.

–: Not yet registered.

Note

Substations can be made inoperative by selecting the corresponding line and pressing the [Del] key.

[Print] Button

Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

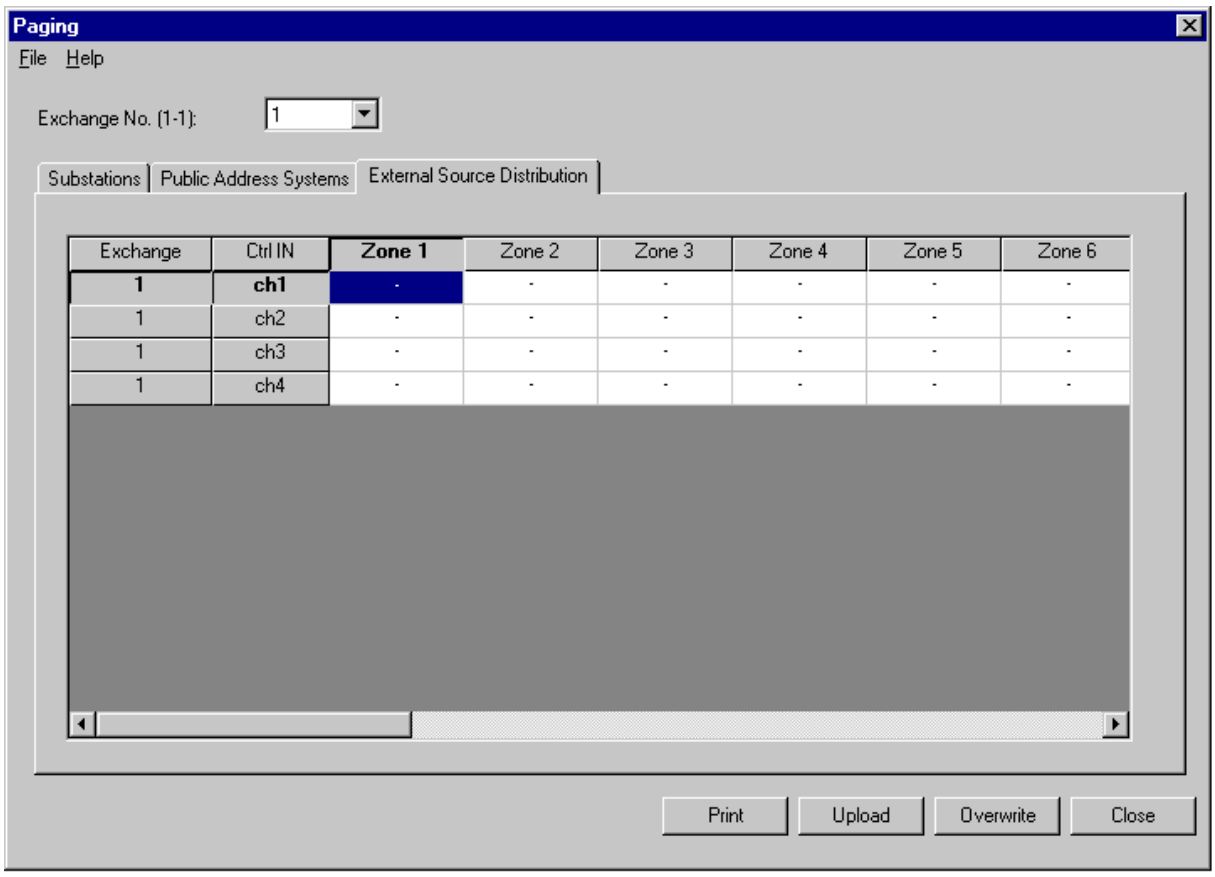
Saves set data.

[Close] Button

Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

[External Source Distribution]

To perform the external source distribution setting, first press the [Paging] button on the main screen, and then the [External Source Distribution] tab. The following screen will then be displayed.



Exchange Designation

Exchange Number

Selects the exchange number (No. 1-up to the total number of exchanges).

Equipment Designation (table)

Note

Nineteen zones are always displayed per exchange.

Exchange Number [Exchange]

Displays the exchange number to be used for external input.

Control Input [Ctrl In]

Displays external inputs for external source distribution (Channels 1 – 4).

Zone

Up to 19 zones can be created.

V: Already registered.

–: Not yet registered.

Note

Substations can be made inoperative by selecting the corresponding line and pressing the [Del] key.

[Print] Button

Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

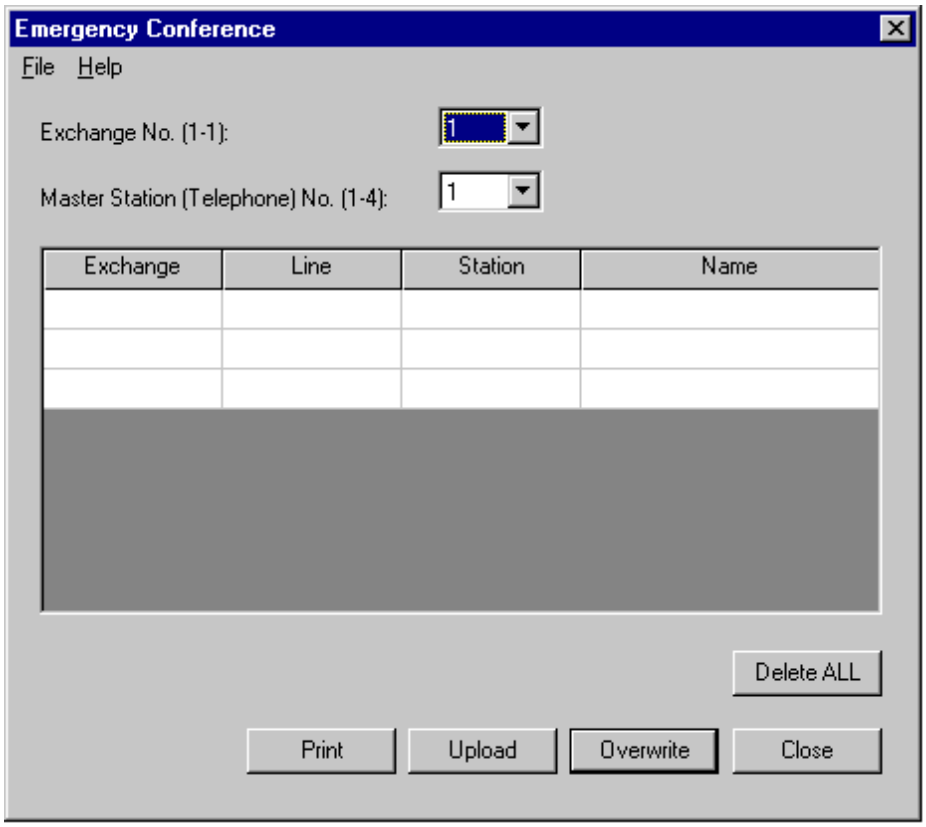
Saves set data.

[Close] Button

Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

6.3.5. Emergency Conference setting

Pressing the [Emergency Conference] button on the main screen displays the following screen. Set the Emergency Conference station group on this screen.



Exchange Designation

Exchange Number

Selects the exchange number (No. 1-up to the total number of exchanges).

Master Station (Telephone) Line Number

Selects the line number of the master station (telephone) (1 – 4).

Master station(Telephone) Settings (table)

Note

Three stations are always displayed per exchange.

Exchange Number [Exchange]

Sets the exchange number to which the master station (telephone) is connected (1 – 16). Exchange Number - Sets the exchange number to which the master station (telephone) is connected (1 – 16).

Line Number [Line]

Sets the line number of the master station(telephone) (1 – 4).

Station Number [Station]

Sets the station number of the master station (telephone).

Station Name [Name]

Sets the name of the master station (telephone).

Note

The contents of a selected line can be deleted with the [Del] key.

[Delete ALL] key

Displays the confirmation message. Pressing the [OK] button deletes and stores all of the above master station/telephone settings. The depression of the [Delete ALL] key is canceled by pressing the [CANCEL] key.

[Print] Button

Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button

Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button

Saves set data.

[Close] Button

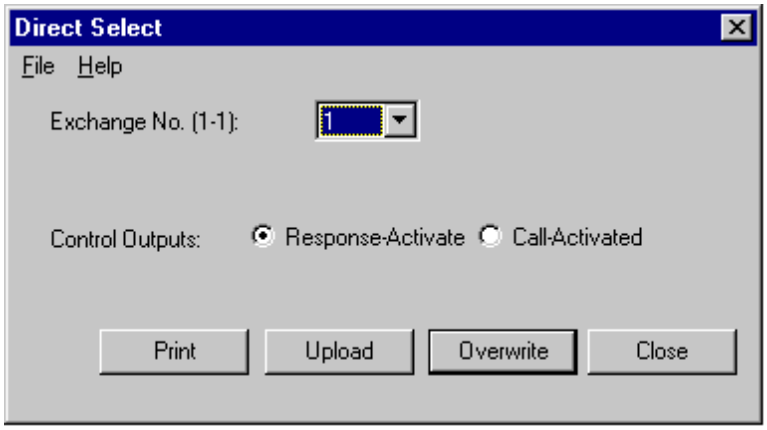
Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made to the master station/telephone designation.

Note

Pressing the [Upload] or [Overwrite] button permits confirmation of duplicate stations with the same exchange and equipment numbers in a single station group.

6.3.6. Direct Select setting

To perform the Direct Select setting, press the [Direct Select] button on the main screen. The following screen will then be displayed.



Exchange Designation

Exchange Number
Selects the exchange number (No. 1-up to the total number of exchanges).

Control Output Mode Designation

Control Output Mode [Control Output:]
Selects the external equipment control output operation mode ("make contact" when conversation begins or when calls are initiated).

[Print] Button
Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button
Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

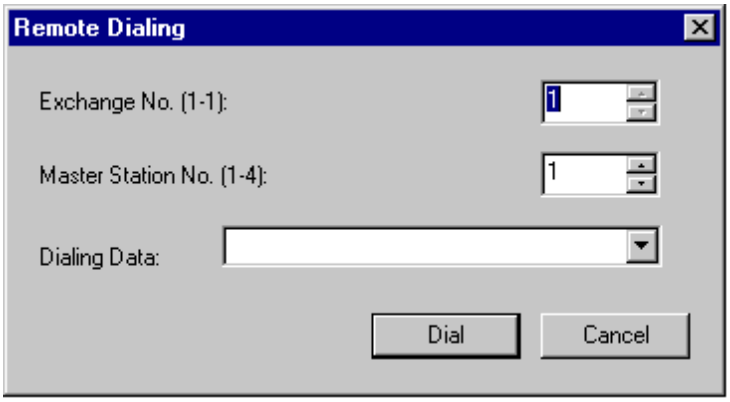
[Overwrite] Button
Saves set data.

[Close] Button
Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

6.4. Maintenance/Control Functions Setting

6.4.1. Remote Dialing

To perform the Remote Dialing Setting, press the [Remote Dialing] button on the main screen. The following screen will then be displayed.



Remotely Controlled Station Designation

Exchange Number [Exchange]

Selects the exchange number (No. 1-up to the total number of exchanges).

Master station line Number [Master Station No.]

Selects the equipment number (1 – 4) of the master station (telephone) to be remotely controlled by the system PC.

Dialing Data

Dialing Data [Dialing Data]

Sets the telephone number (up to 32 digits) to be dialed from the PC-operated station. The 5 most recently registered telephone numbers are displayed.

Note

Enter a hyphen (-) when using a pause in the telephone number.

[Dial] Button

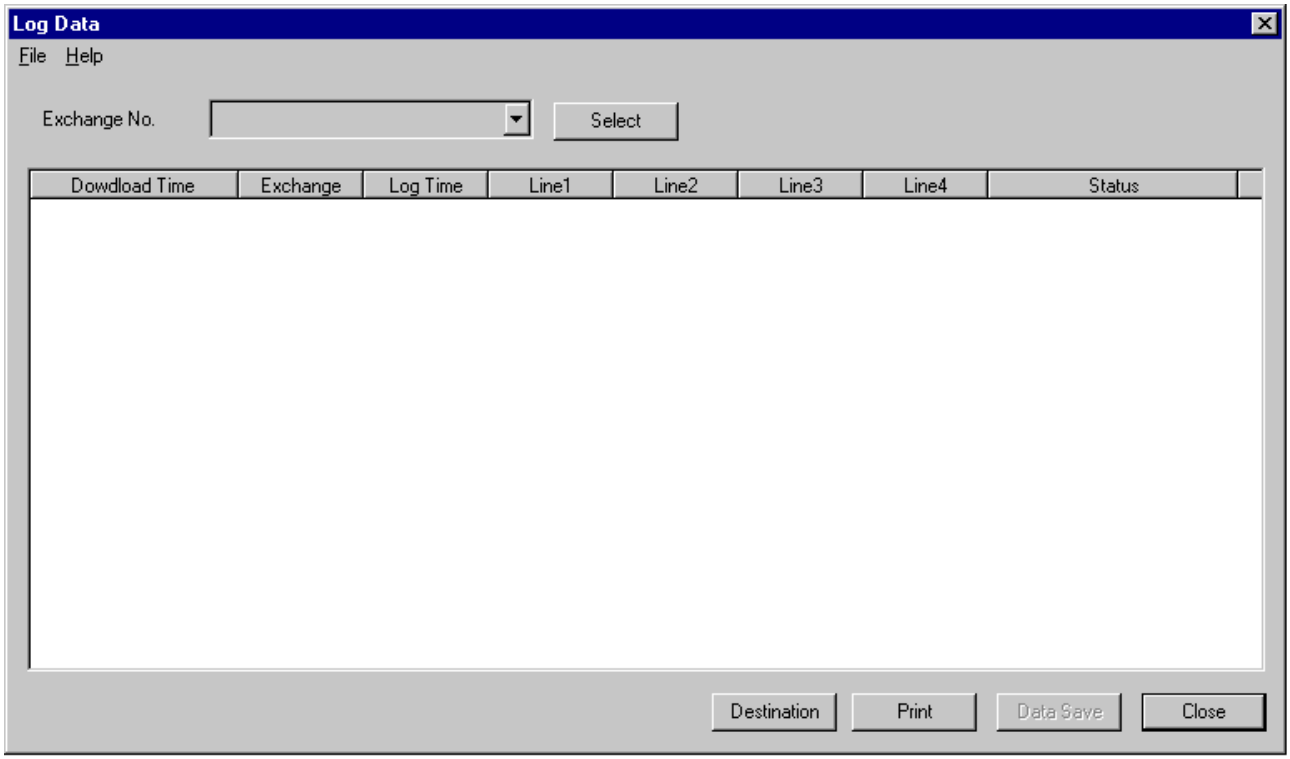
Transmits dial data to the exchange.

[Cancel] Button

Cancels current operation and returns the display to the main screen. Data input is abandoned.

6.4.2. Log Data

Pressing the [Log Data] button on the main screen displays the following screen. Perform settings for the requested exchange to send log data. The log data is stored in files, and received data is displayed.



Request for Log Data

Pull down the exchange number box to select the exchange number.

Notes

· Choosing "ALL" displays all exchange data.
· Choosing "RESET" restores the display to the original state.

Pressing the [Select] button instructs the exchange to transmit data.

Automatic Log Data Storage

Received data is automatically stored in a file in 64 kB units. All filenames are written in the following format: HSyymmdd-xx.txt.
For example, if the files are created on January 7, 2000, the filenames would be: HS000107-01.txt, HS000107-02.txt, etc. The "xx" indicates consecutive numbers.

Manual Log Data Storage

The [Data Save] button can be used while received data are displayed, and the displayed data are saved in files. After they have been saved in files, the [Data Save] button cannot be used until new log data is received. The filename format is HSyymmddhhmmss.txt.
For example, if the file is saved at 14:05:27 on January 7, 2000, the filename would be HS000107140527.txt.

Destination

By pressing the [Destination] button, the file in which data are manually saved can be changed.

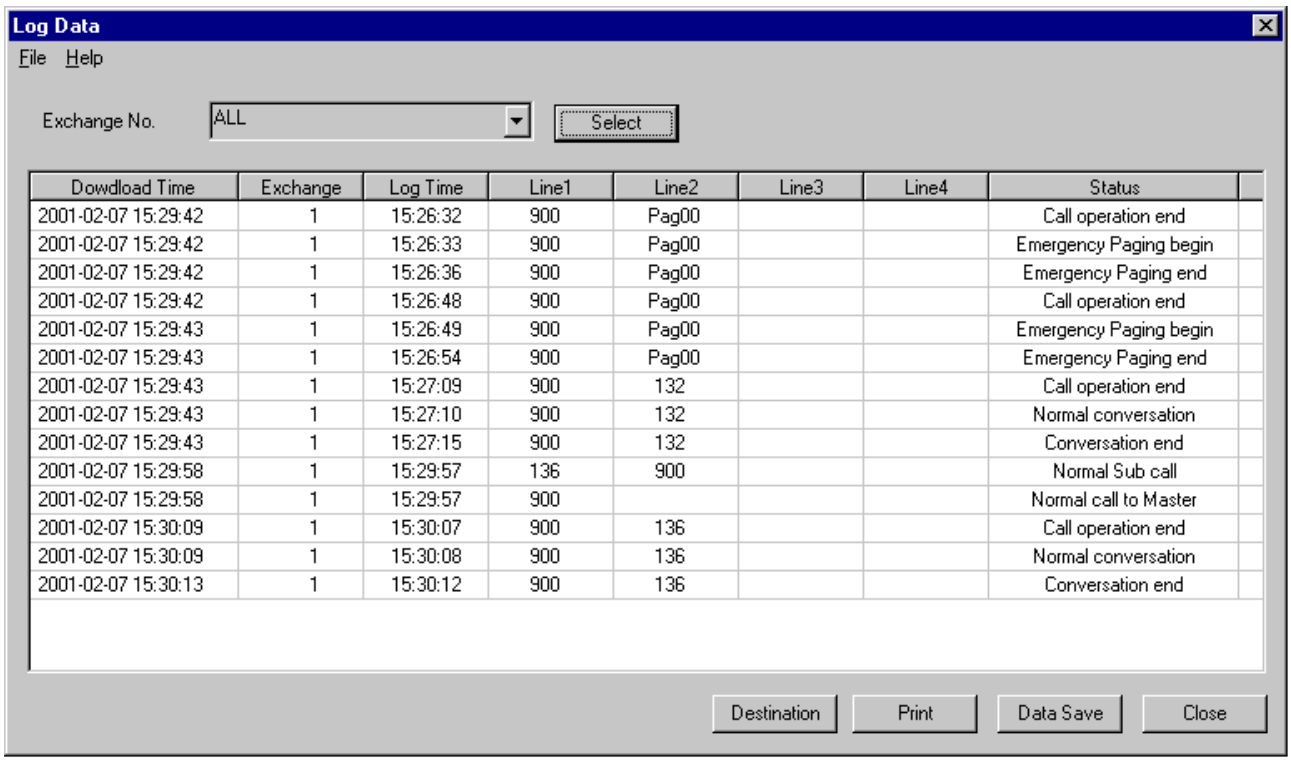
Log data display

Displays the most recent 1000 lines of log data.

[Print] Button
Prints log data displayed on the screen.

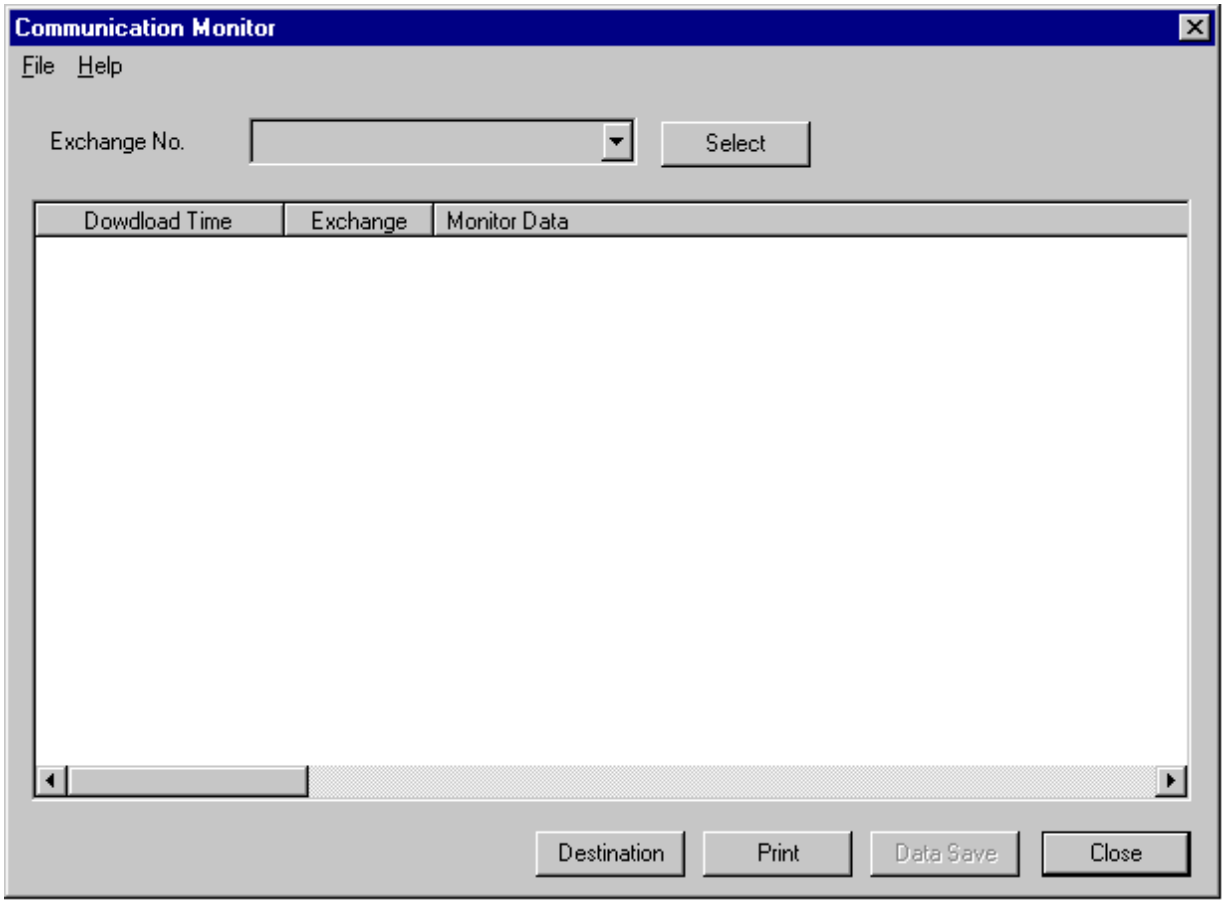
[Close] Button
Exits the log data screen.

Shown below are log data display examples.



6.4.3. Communication Monitoring

Pressing the [Communication Monitoring] button on the main screen displays the following screen. Perform settings for the requested exchange to send communication monitoring data. The monitoring data is stored in files, and received data is displayed.



Request for Communication Monitoring data

Pull down the exchange number box to select the exchange number.

Notes

· Choosing "ALL" displays all exchange data.
· Choosing "RESET" restores the display to the original state.

Pressing the [Set] button instructs the exchange to transmit data.

Automatic Communication Monitoring Data Storage

Received data is automatically stored in a file in 64 kB units. All filenames are written in the following format: CMyymmdd-xx.txt.
For example, if the files are created on January 7, 2000, the filenames would be CM000107- 01.txt, CM000107-02.txt, etc. The "xx" indicates consecutive numbers.

Manual Communication Data Storage

The [Data Save] button can be used while received data are displayed, and the displayed data are saved in files. After they have been saved in files, the [Data Save] button cannot be used till new log data is received. The filename format is CMyymmddhhmmss.txt.
For example, if the file is saved at 14:05:27 on January 7, 2000, the filename would be CM000107140527.txt.

Destination

By pressing the [Destination] button, the file in which data are manually saved can be changed.

Communication Monitoring data display

Displays the most recent 1000 monitoring data.

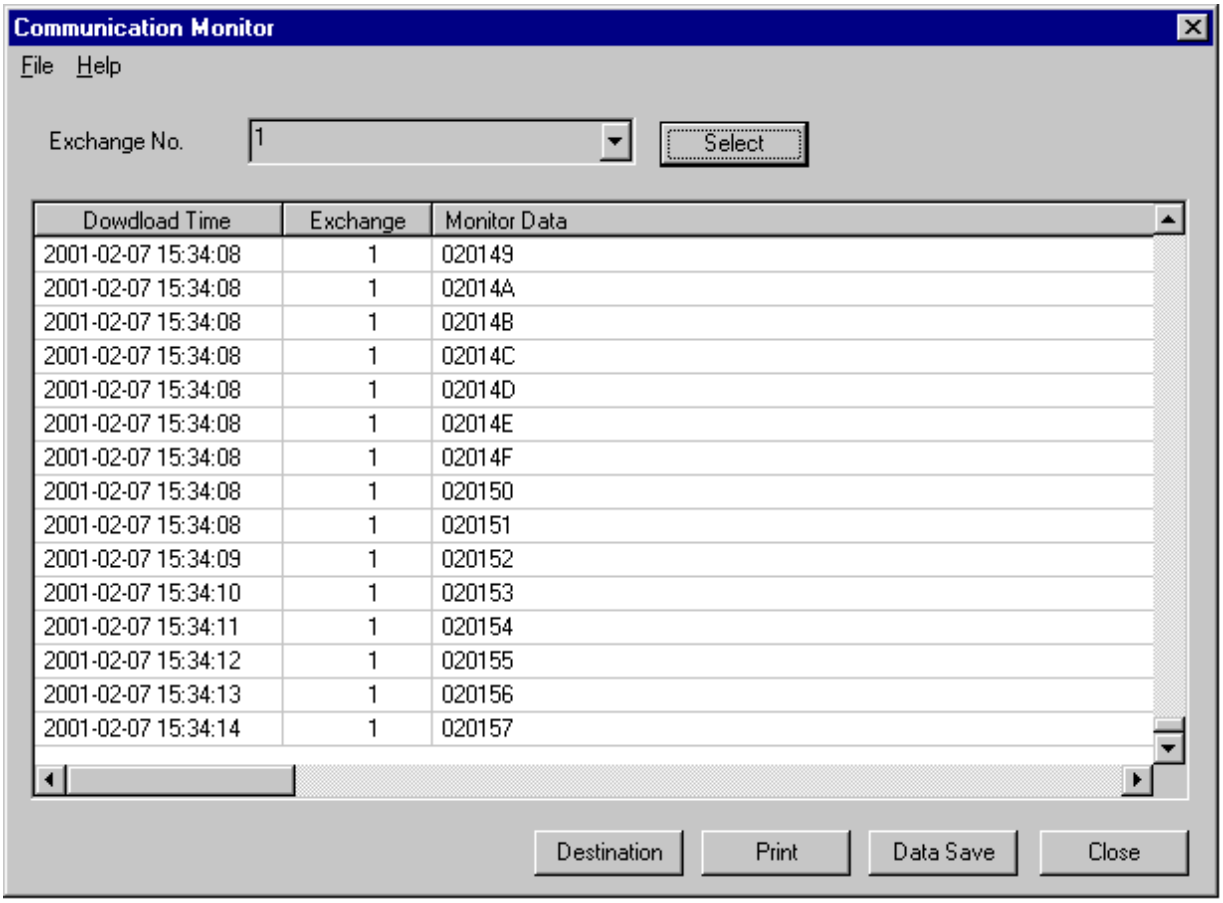
[Print] Button

Prints communication monitoring data displayed on the screen.

[Close] Button

Exits the communication monitoring data screen.

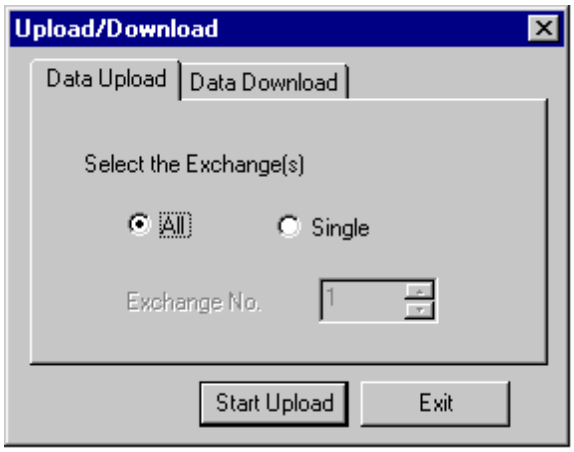
Shown below are communication monitoring data display examples.



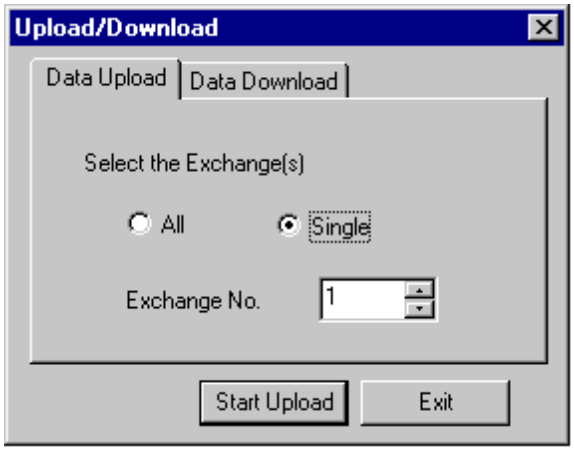
6.4.4. Upload/Download

[Data Upload]

To perform the setting of the exchange to which setting data are transmitted, press the [Upload/Download] button on the main screen. The following screen will then be displayed.



Selection of [Single] displays the following screen:



All Exchanges [All]
Transmits setting data to all exchanges set in the number of exchanges in the system setting.

Designated Exchanges [Single]
Transmits setting data to the exchange designated in the exchange number selection box.

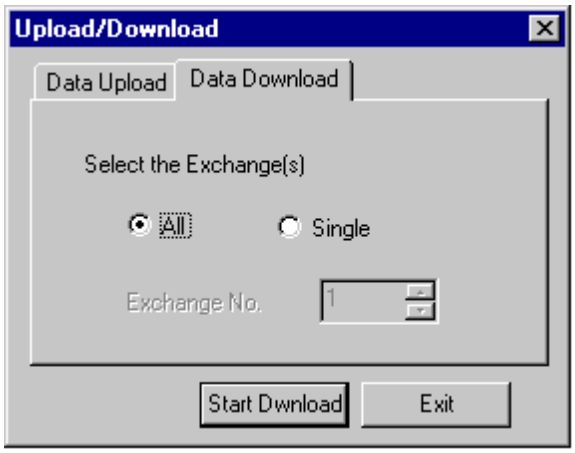
Exchange number
Designates the exchange number by choosing from the set total number of exchanges while [Exchange No.] is selected.

[Upload start] Button
Displays the confirmation message. Pressing the [OK] button changes the exchange settings. When the [Cancel] button is pressed, the setting data is not transmitted to the computer.

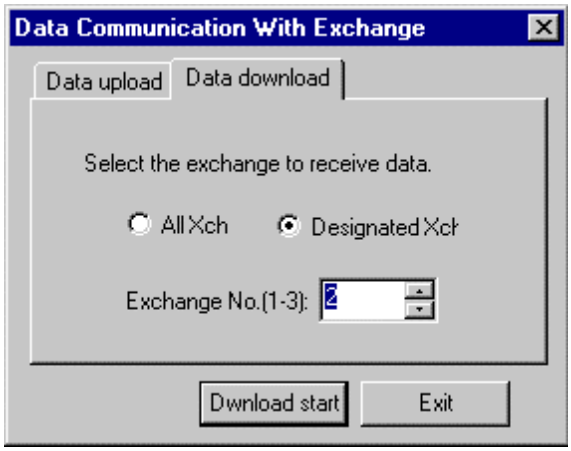
[Exit] Button
Returns the display to the main screen.

[Data Download]

To perform the setting of the exchange from which setting data are received, press the [Upload/Download] button on the main screen, and then the [Data Download] button. The following screen will then be displayed.



Selection of [Single] displays the following screen:



All Exchanges [All]
Receives setting data from all exchanges.

Designated Exchanges [Single]
Receives setting data from the exchange designated in the exchange number selection box.

Exchange number
Designates the exchange number by choosing from the set total number of exchanges while [Exchange No.] is selected.

[Download start] Button
Receives setting data from the designated exchange and stores the data in the system PC.

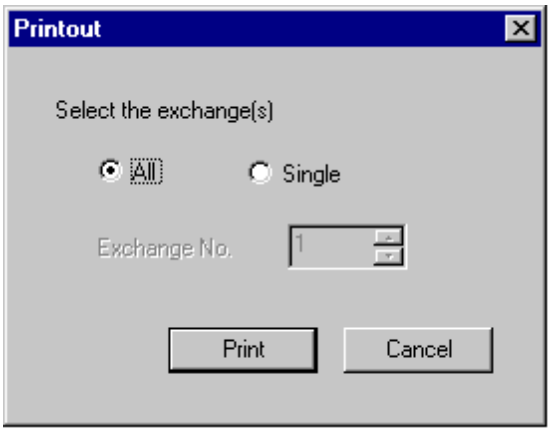
[Exit] Button
Returns the display to the main screen.

Note

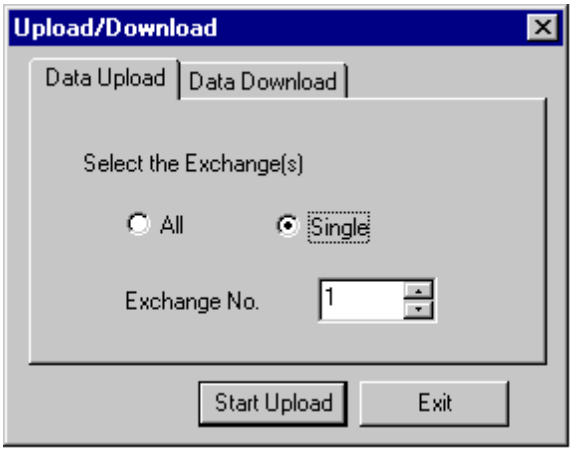
Received data overwrites the currently edited data. Therefore, execute this function when any problem is not foreseen even if the data is received (for example, after new data is created).

6.4.5. Printout

To perform the setting of the exchange the setting data of which is printed, press the [Printout] button. The following screen will then be displayed.



Selection of [Designated Xch] displays the following screen:



All Exchanges
Prints setting data of all exchanges.

Designated Exchanges Exchange number
Prints setting data of the designated exchange. Designates the exchange number by choosing from the set total number of exchanges while [Exchange No.] is selected.

[Print start] button
Prints setting data of the set exchange.

[Cancel] Button
Returns the display to the main screen.

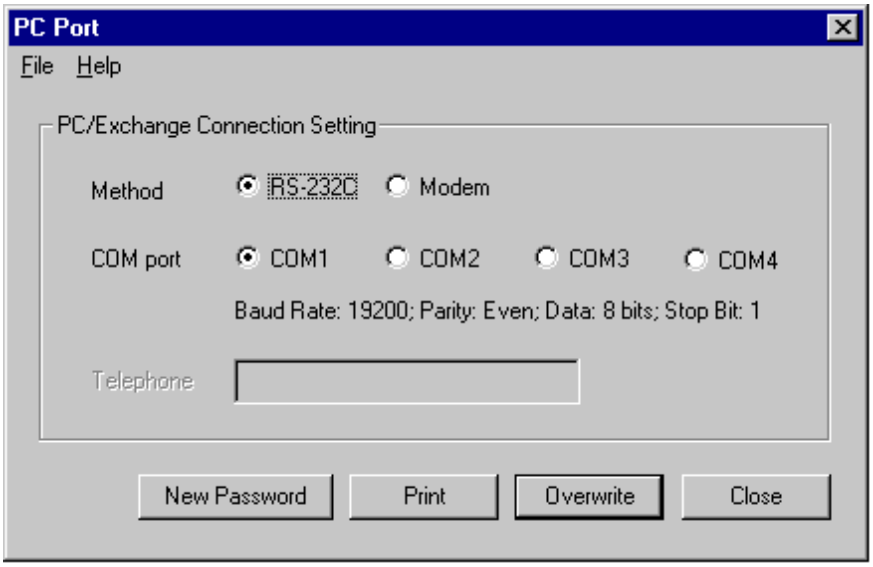
Note

The data of the Direct Select Dial function is not printed.

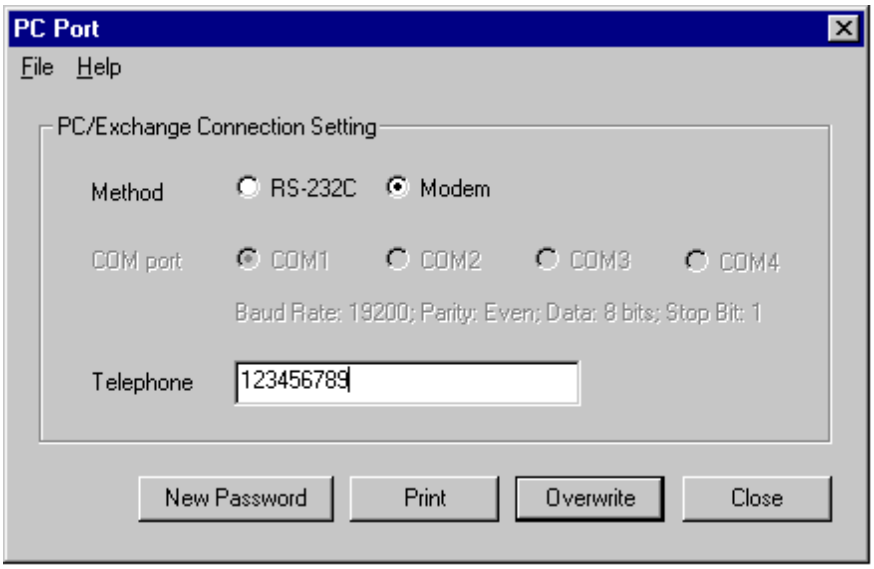
6.4.6. PC Port Setting

To perform the maintenance setting, press the [PC Port] button on the main screen. The following screen will then be displayed.

The following screen assumes that the communication connection method is set for "RS-232C."



The following screen assumes that the communication connection method is set for "Modem."



PC/exchange communication connection setting

Connection Method

Selects the method of connection to the exchange (RS-232C or Modem).

COM Port

Selects the communication port in the event of RS-232C connection.

Telephone Number [Telephone]

Sets the telephone number in the event of Modem connection.

Note

Enter a hyphen (-) when using a pause in the telephone number.

Password Change [New Password] Button
Displays the Password Change screen to permit the set password to be changed. (Refer to Section 1.1.2. on p. 4.)

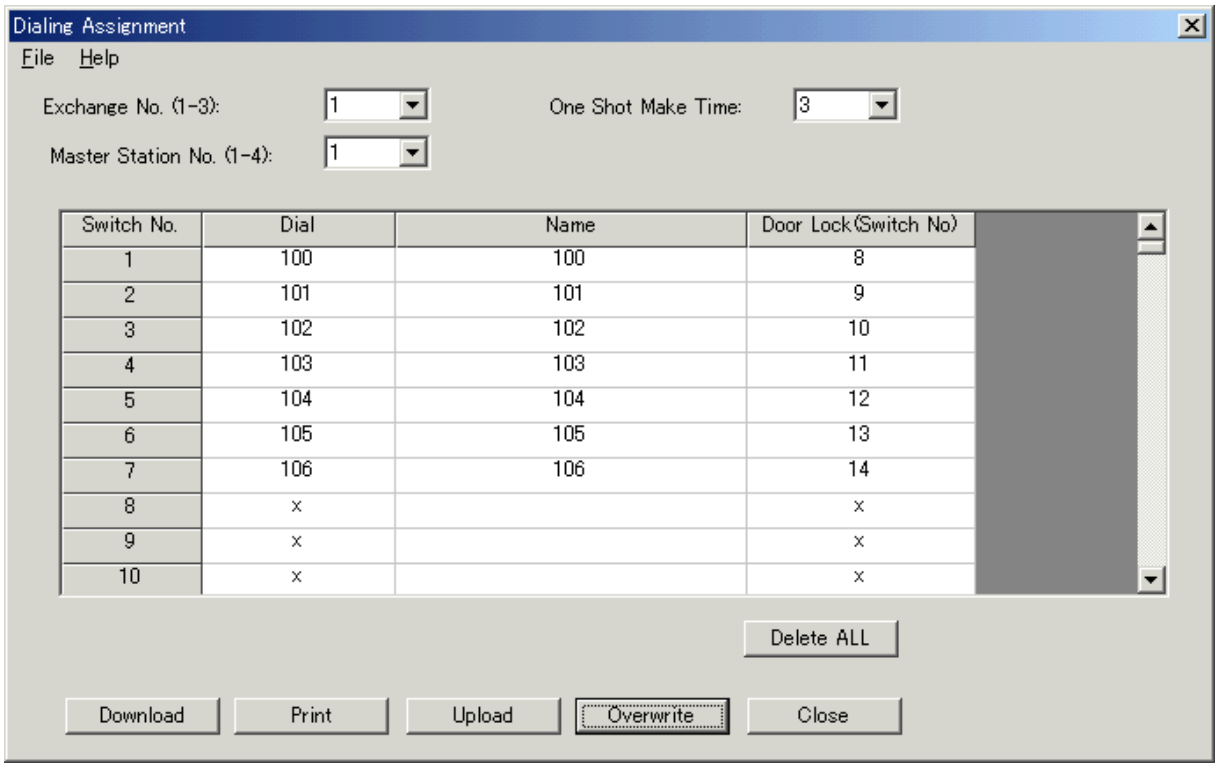
[Overwrite] Button
Saves set data.

[Close] Button
Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

6.5. VS-900DI Settings

6.5.1. Dialing Assignment

To perform the Direct Select Dial setting, press the [Dialing Assignment] button on the main screen. The following screen will then be displayed.



Exchange Designation

Exchange Number
Selects the exchange number (No. 1-up to the total number of exchanges).

Master Station Line Number
Selects the master station line number (1 – 4).

One Shot Make Time
Sets the one-shot make duration (1 – 9 sec).

Dial Designation (table)

Note

One rhousand and twenty-four switches are always displayed per exchange.

Dial Data [Dial]
Sets the number (1 – 16 digits) to dial.

Name [Name]
Sets the master or substation name.

Door Lock (Switch No.) [Door Lock (Switch No.)]
Sets the control number (switch number) for the door lock remote operation.

Note

The contents of a selected line can be deleted with the [Del] key.

[Delete ALL] Button
Displays the confirmation message. Pressing the [OK] button deletes and stores all of the above dial settings. The depression of the [Delete ALL] button is canceled by pressing the [Cancel] button.

[Download] Button
Receives dial data of all switches from the exchange and stores those data in the system PC. Currently edited PC data is abandoned.

[Print] Button
Prints currently edited data. Note that the currently edited data is not yet stored.

[Upload] Button
Displays the confirmation message. Pressing the [OK] button changes the exchange settings and stores any changes. When the [Cancel] button is pressed, the currently edited data is not transmitted to the computer.

[Overwrite] Button
Saves set data.

[Close] Button
Cancels current operation and returns the display to the main screen. Data input is abandoned. However, a warning message is displayed when changes are made.

7. DATA SETTING RANGES AND INITIAL VALUES

7.1. System Setting

Function	Item	Unit	Setting Range	Initial Value
System Setting	Number of exchanges	Entire system	1 – 16	1
	Station Number Digit	Entire system	2 – 6	2
	Tie-Line Connections	Entire system	Enabled/disabled	Disabled
	Exchange Station Number assignment	Exchange	Depends on the station number digit length. 2 digits: 10 – 99	10

7.2. Line Setting

Subject	Item	Unit	Setting Range	Initial Value
Master Station /Telephone	Station Number	Master Station	00 – 999999 Depends on the station number digit.	90 – 93
	Station Name	Master Station	8 alphanumeric characters	Station No.
	Access to Outgoing Calls	Master Station	Enable (V)/Disabled (–)	(–)
	Emergency Paging	Master Station	Enable (V)/Disabled (–)	(–)
	"Outside Line Calls Forwarding" Receiving Telephone Number	Master Station	Up to 20 digits	No setting
	"Call Forwarding" Receiving Station*	Master Station	Master Station/Telephone /Outgoing Call Access Number	No setting
	"Time-Based Call Forwarding" Receiving Station*	Master Station	Master Station/Telephone /Outgoing Call Access Number	No setting
	"Busy Call Forwarding" Receiving Station*	Master Station	Master Station/Telephone /Outgoing Call Access Number	No setting
	"No-Answer Call Forwarding" Receiving Station*	Master Station	Master Station/Telephone /Outgoing Call Access Number	No setting

* This setting can be performed at the master station as well. Refer to the section describing each call forwarding function.

Subject	Item	Unit	Setting Range	Initial Value
Substation	Station Number	Substation	00 – 999999 From the selected exchange's first station No. to the No. immediately preceding the next exchange's first station No..	10 – 73
	Station Name	Substation	8 alphanumeric characters	Station No.
	Called Station Exchange Number	Substation	Exchange No. of the master station (telephone)	1
	Called Station Line Number	Substation	Line No. of the master station (telephone)	1
	Called Station Number	Substation	Station No. of the master station(telephone)	10
	Called Station Name	Substation	Station Name of the master station(telephone)	10
	Call Priority	Substation	Normal/Emergency	Normal
Outside Line	Outside Line Connection Time-Out	Exchange	1 – 99 minutes	3 minutes
	Outside Line Name	Each Outside Line	8 alphanumeric characters	No setting
	Outgoing Call Access Number	Each Outside Line	0 – 9	No access No. set.
	Direct-In Dialing	Each Outside Line	Enabled/disabled	Disabled
	Direct-In Line	Each Outside Line	Enabled/disabled	Disabled
	Receiving Station (Rep/Member) Exchange Number	Each Outside Line	Exchange No. of the master station (telephone)	No setting
	Receiving Station (Rep/Member) Line Number	Each Outside Line	Line No. of the master station (telephone)	No setting
	Receiving Station (Rep/Member) Station Number	Each Outside Line	Station No. of the master station (telephone)	No setting
	Receiving Station (Rep/Member) Station Name	Each Outside Line	Station Name of the master station (telephone)	No setting

7.3. Function Settings

Function	Item	Unit	Setting Range	Initial Value
Group Call	Member Station Exchange Number	Master Station	Exchange No. of the master station (telephone)	No setting
	Member Station Line Number	Master Station	Line No. of the master station (telephone)	No setting
	Member Station Station Number	Master Station	Station No. of the master station (telephone)	No setting
	Member Station Station Name	Master Station	Station Name of the master station (telephone)	No setting
Call Forwarding /Time-Out	Call Forwarding	Exchange	Enabled/disabled	Disabled
	Time-Based Call Forwarding	Exchange	Enabled/disabled	Disabled
	Time-Based Call Forwarding Start Time	Exchange	00:00 – 23:59	No start time
	Time-Based Call Forwarding End Time	Exchange	00:00 – 23:59	No end time
	Busy Call Forwarding	Exchange	Enabled/disabled	Disabled
	No-Answer Call Forwarding	Exchange	Enabled/disabled	Disabled
	No-Answer Call Forwarding: Calling Interval	Exchange	1 – 99 seconds	10 seconds
	Call Time-Out	Exchange	Enabled/disabled	Disabled
	Call Time-Out: Calling Interval	Exchange	1 – 99 minutes	1 minute
	Conversation Time-Out	Exchange	Enabled/disabled	Disabled
	Conversation Time-Out: Conversation Time Limit	Exchange	10 – 990 seconds	10 seconds
Scan Monitor	Monitoring Time	Master Station	1 – 99 seconds	5 seconds
	Monitoring Station Exchange Number	Master Station	Exchange No. of the substation	No setting
	Monitoring Station Line Number	Master Station	Line No. of the substation	No setting
	Monitoring Station Station Number	Master Station	Station No. of the substation	No setting
	Monitoring Station Station Name	Master Station	Station Name of the substation	No setting
Paging	Zone Number Digit	Exchange	1 – 2 digits	1 digit
	Paging Time-Out	Exchange	10 – 990 seconds	Disabled
	Zone	Paging Zone	Enabled (V)/disabled (–)	(–)
Public Address System	Zone	Exchange	Enabled (V)/disabled (–)	(–)
External Source Distribution	Zone	Each Activation Input	Enabled (V)/disabled (–)	(–)

Function	Item	Unit	Setting Range	Initial Value
Emergency Conference	Member Station Exchange Number	Master Station	Exchange No. of the master station (telephone)	No setting
	Member Station Line Number	Master Station	Line No. of the master station (telephone)	No setting
	Member Station Station Number	Master Station	Station No. of the master station (telephone)	No setting
	Member Station Station Name	Master Station	Station Name of the master station (telephone)	No setting
Direct Select	Control Output Mode	Exchange	Response-Activate /Call-Activate	Response-Activate

7.4. Other Settings

Function	Item	Unit	Setting Range	Initial Value
Remote Dialing	Remote Dialing	Whole	—	—
Log Data	Log Data	Whole	—	—
Communication Monitoring	Communication Monitoring	Whole	—	—
Upload /Download	Data Upload	Whole	All Exchanges /Single Exchange	All Exchanges
	Data Download	Whole	All Exchanges /Single Exchange	All Exchanges
Printout	Printout	Whole	All Exchanges /Single Exchange	All Exchanges
PC Port	PC-to-Exchange connection method	Whole	RS-232C/Modem	RS-232C
	Communication Port (When RS-232C is connected)	Whole	COM1 – COM4	COM1
	Telephone Number (When Modem is connected)	Whole	Up to 20 Digits	No setting

7.5. VS-900DI Setting

Function	Item	Unit	Setting Range	Initial Value
Dialing Assignment	One Shot Make Time	Master Station	1 – 9 seconds	3 seconds
	Dial	Master Station	Up to 16 Digits	No setting
	Name	Master Station	8 alphanumeric characters	No setting
	Door Lock (Switch No.)	Master Station	1 – 1024	No setting

8. MESSAGES

8.1. Confirmation Messages

No.	Display Message	Explanation
1	[Text changed. Exit?]	This message appears when the [Close] button is pressed while editing data.
2	[Will delete all list data. OK?]	This message appears when the [Delete ALL] button is pressed.
3	[Set file not saved. Exit?]	This message appears when an attempt is made to exit the current mode without saving the file.
4	[Reading log data. Will stop reading.]	This message appears when a log data request is canceled while in process.
5	[Reading communication data. Will stop reading.]	This message appears when a communication data request is canceled while in process.

8.2. Setting Error Messages

No.	Message	Explanation
1	[Incorrect first station No.]	The first station number is incorrect. Check to confirm the set digit length of the station number.
2	[Duplicated first station No.]	More than one first station number has been detected.
3	[Incorrect first station No. digit length]	Check to confirm the first station number and its digit length.
4	[First station No. is greater than that of the next exchange]	The selected exchange's first station number is set to be larger than the next exchange's first station number.
5	[Incorrect exchange No.]	The exchange number has been set outside its valid range. Reset the exchange number to within the set total number of exchanges. (1-Total number)
6	[Incorrect starting time.]	The Absence Call Transfer interval start time has been set to an invalid number.
7	[Incorrect ending time]	The Absence Call Transfer interval end time has been set to an invalid number.
8	[Incorrect call time (sec)]	The No-Answer Transfer call interval has been set to an invalid number.
9	[Incorrect call time (minute)]	The Calling Interval Limit has been set to an invalid number.
10	[Incorrect conversation time (sec)]	The Conversation Time Limit has been set to an invalid number.
11	[Incorrect station No.]	Station number setting error. Master station: The station number digit length is incorrect. Substation: The station number digit length is incorrect. The station number is not set within the range that begins with the selected exchange's first designated station number and ends at the number immediately preceding the next exchange's first station number
12	[Duplicated station No. (B) for Exchange A]	More than one Station B (actual station number displayed) has been detected as being connected to Exchange A (actual exchange number displayed).

No.	Message	Explanation
13	[Incorrect station No. digit length (B) for exchange A]	The digit length of the number corresponding to Station B (actual number displayed) connected to Exchange A (actual exchange number displayed) is incorrect.
14	[Station No. (B) for Exchange A exceeds station No. limits.]	Station number B (actual station number displayed) connected to Exchange A (actual exchange number displayed) is not set within the range that begins with the selected exchange's first designated station number and ends at the number immediately preceding the next exchange's first station number.
15	[Incorrect name]	The file name is either too long or contains an invalid character.
16	[Incorrect Auto C/O Xfer sta]	The telephone number of the receiving station to which telephone calls are automatically transferred is either too long or contains a non-numerical character.
17	[Dialing incorrect exchange-equipment No. (A-B)]	Master station calling error. The exchange or equipment number is incorrect. The exchange or equipment number is incorrect. A: Exchange number, B: Master station equipment number
18	[Incorrect master equipment No.]	The master station equipment number is incorrect.
19	[Invalid master equipment No. (A-B) is set.]	Invalid substation numbers have been set. A: Exchange number, B: Master station equipment number
20	[Invalid master equipment No. is set.]	Invalid master station numbers have been set.
21	[Incorrect sub-equipment No.]	The substation equipment number is incorrect.
22	[Invalid sub-equipment No. (A-B) is set.]	Invalid substation numbers have been set. A: Exchange number, B: Substation equipment number
23	[Invalid sub-equipment No. is set.]	Invalid substation numbers have been set.
24	[Incorrect C/O line connection time-out.]	An incorrect time value has been entered for the Telephone Conversation Time Limit.
25	[Specific No. for making a call is not correct.]	An incorrect number has been set for access to outgoing telephone calls.
26	[Redundant receiving stations (A-B).]	More than one Master Station Equipment B (actual number displayed) has been detected as being connected to exchange A (actual number displayed) in the telephone call receiving station setting
27	[Center station is not set for the direct-in group.]	A center station has not been designated for the Call Receiving station group.
28	[Duplicated exchange-equipment No. (A-B).]	More than one Equipment B (actual number displayed) has been detected as being connected to Exchange A (actual number displayed).
29	[Incorrect monitoring time.]	An incorrect monitoring interval has been set for the Scan Monitor.
30	[Incorrect telephone No.]	The entered telephone number is either too long or contains a non-numerical character.
31	[Incorrect password]	The password is not correct.
32	[Old password not correct.]	The old password entered when changing the password is incorrect.
33	[New password not correct.]	The password entered for confirmation does not agree with the "new" password entered when changing the password.

No.	Message	Explanation
34	[Not registered.]	An invalid master stations has been designated in the Remote Dial settings.
35	[Incorrect dial number]	The digit number to be set for the Direct Select Dial setting exceeds 16 digits (allowable range: 1 – 16 digits).
36	[Incorrect zone No. digit length]	The paging zone number is too long.
37	[Incorrect paging time-out]	An incorrect paging time limit has been set.
38	[Failed to transmit.]	Data could not be correctly transmitted.
39	[Failed to open the device.]	A connected device cannot be opened. Please check the COM port connection.
40	[Communications time-out]	Data was not correctly received.
41	[Log Data File could not be opened.]	It is impossible to open the log data file.
42	[Communication Monitoring File could not be opened.]	It is impossible to open the communication monitoring log file.
43	[Log Data File could not be written.]	The log files cannot be written.
44	[Communication Monitoring File could not be written.]	The communication monitoring log files cannot be written.