

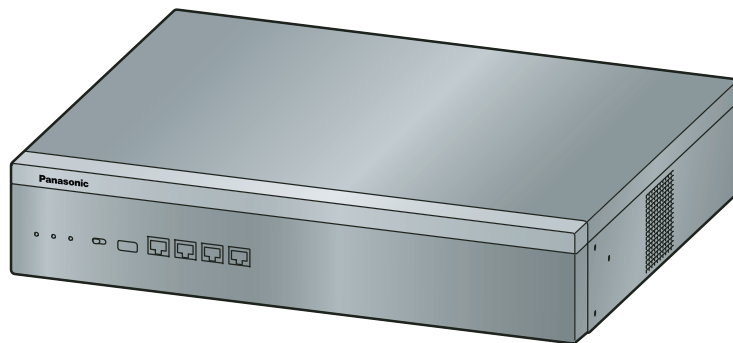


# PC Programming Manual

## Video Intercom System — Control Box

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Model No. **VL-VN1800**



Thank you for purchasing this Panasonic product.  
Please read this manual carefully before using this product and save this manual for future use.  
In particular, be sure to read "1.1.1 For Your Safety, page 10" before using this product.

**PNMPR Software File Version 001.00000 or later**

Manuals and supporting information are provided on the Panasonic Web site at:  
<https://panasonic.net/cns/pcc/support/intercom/vn1900>

# Introduction

## About this Programming Manual

The PC Programming Manual is designed to serve as a system programming reference for the Panasonic Video Intercom System Control Box. It explains how to programme the Control Box using Web Maintenance Console.

The PC Programming Manual is divided into the following sections:

### Section 1, Overview

Provides an overview of programming the Control Box.

### Section 2, Introduction of Web Maintenance Console

Explains the layout and menus of Web Maintenance Console.

### Sections 3 – 16, Web Maintenance Console Operating Instructions

Serves as reference operating instructions when using Web Maintenance Console to programme the Control Box.

### Feature Programming References

Provides a list of all related programming items for each feature.

## References Found in the PC Programming Manual

### PC Programming Manual References

Related sections of the PC Programming Manual are listed for your reference.

### Feature Manual References

The Feature Manual explains what the Control Box can do, as well as how to obtain the most of its many features and facilities. Sections from the Feature Manual are listed throughout this manual for your reference.

### Installation Manual References

The Installation Manual provides instructions detailing the installation and maintenance of the Control Box. Sections from the Installation Manual are listed throughout this manual for your reference.

## Links to Other Pages and Manuals

If you are viewing this manual with a PC, certain items are linked to different sections of this and other Control Box manuals. Click on a link to jump to that section.

Linked items include:


- Installation Manual References
- PC Programming Manual References
- Feature Manual References

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## Notice

- During a long programming session, it is highly recommended that you periodically save the system data to the Storage Memory Card. If the Control Box undergoes a sudden power failure or if the system is reset for some reason, all the system data in RAM will be lost. However, if system data has been saved to the Storage Memory Card, it can be easily reloaded.
- To save the system data to the Storage Memory Card, (1) click the  button on the Home screen of Web Maintenance Console before resetting the Control Box or turning off the power, or (2) log out from Web Maintenance Console so that the Control Box automatically saves the system data.

## NOTES

- The contents of this manual apply to a certain software version, as indicated on the cover of this manual. To confirm the software version, see **How do I confirm the software version of the Control Box?** in **Maintenance Console Software** in **2.3 Frequently Asked Questions (FAQ)**.
- Some optional hardware, software, and features are not available in some countries/areas, or for some models. Please consult your certified Panasonic dealer for more information.
- Product specifications, including text displayed by the software, are subject to change without notice.
- In this manual, the suffix of each model number (e.g., VL-VN1800**BX**) is omitted unless necessary.
- Do not change the setting items that are described as "Factory use only". Correct operation cannot be guaranteed if these settings are changed.



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# **Section 1**

## **Overview**

*This section provides an overview of programming the Control Box.*

# 1.1 Introduction

## 1.1.1 For Your Safety

To prevent personal injury and/or damage to property, be sure to observe the following safety precautions. **The following symbols classify and describe the level of hazard and injury caused when this unit is operated or handled improperly.**



### WARNING

This notice means that misuse could result in death or serious injury.



### CAUTION

This notice means that misuse could result in injury or damage to property.

The following types of symbols are used to classify and describe the type of instructions to be observed.



This symbol is used to alert users to a specific operating procedure that must not be performed.



This symbol is used to alert users to a specific operating procedure that must be followed in order to operate the unit safely.



### WARNING



- Unplug the Control Box from the AC outlet if it emits smoke, an abnormal smell or makes unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorised Panasonic Factory Service Centre.



### CAUTION



#### • *To the Administrator regarding account passwords*

1. To avoid unauthorised access and possible abuse of the Control Box, keep the passwords secret, and be aware of the importance of the passwords, and the possible dangers if they become known to others.
2. The Control Box has no passwords set initially. For security, select a secure password as soon as the Control Box is installed at the site.
3. Change the passwords periodically.


4. It is strongly recommended that passwords of 10 numbers or characters be used for maximum protection against unauthorised access.

## 1.1.2 Introduction

These programming instructions are designed to serve as an overall system programming reference for the Control Box. Each feature in the Control Box has default settings that can be changed to customise the Control Box to your requirements. These settings control the functions of the Control Box, and changing them is referred to as "system programming".

All features and settings of the Control Box can be programmed using Web Maintenance Console. Starting Web Maintenance Console is described in **1.2 PC Programming**. Individual system programming items are described from **3 Web Maintenance Console Home Screen**.

### Programming

You can programme the Control Box by accessing Web Maintenance Console from a PC. Modifications to settings are stored in the Control Box's temporary memory (DRAM). To permanently apply the changes, either click  or log out of Web Maintenance Console. For details, see **Web Maintenance Console Features** in **2.1.4 Software Interface**.

## 1.1.3 Entering Characters

The characters on a white background below can be used when storing a name, message, password or other text entry data using a PC.

### 1.1.3 Entering Characters

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
20	SP	!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/
30	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
40	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
50	P	Q	R	S	T	U	V	W	X	Y	Z	[	/	]	^	_
60	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
70	p	q	r	s	t	u	v	w	x	y	z	{		}	~	DEL
80	€		,	f	„	...	†	‡	^	‰	Š	≤	Œ		Ž	
90		‘	’	“	”	•	—	—	~	™	š	≥	œ		ž	ÿ
A0	NBSP	¡	¢	£	¤	¥	¦	§	¨	©	ª	«	¬	SHY	®	¯
B0	°	±	²	³	´	µ	¶	·	,	¹	º	»	¼	½	¾	¿
C0	À	Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï
D0	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß
E0	à	á	â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï
F0	ð	ñ	ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ

## 1.2 PC Programming

### 1.2.1 Starting Web Maintenance Console

System programming, diagnosis and administration can be performed with a PC using Web Maintenance Console. Web Maintenance Console is accessed through a Web browser running on a networked PC. This section describes how to set up and access Web Maintenance Console.

#### System Requirements

##### Required Operating System

- Microsoft® Windows® 7, Windows 8.1, Windows 8.1 Professional, or Windows 10 operating system

##### Note

In Windows 8.1 / 8.1 Professional, Web Maintenance Console runs only in desktop mode. It is not available from the Windows 8.1 Start screen.

##### Recommended Display Settings

- Screen resolution: XGA (1024 × 768)
- DPI setting: Normal size (96 DPI)

##### Supported Browsers for Use with Web Maintenance Console for users

- Windows Internet Explorer 11
- Mozilla® Firefox® version 57 or ESR52
- Google Chrome™ version 58

##### Supported Browsers for Use with Web Maintenance Console for Maintenance

- Windows Internet Explorer 11
- Mozilla Firefox 57 or ESR52

Always apply the latest updates to your Web browser software. For details, refer to your Web browser's documentation. Only the browsers and browser versions listed above are supported for use with Web Maintenance Console.

##### Note

When using Windows Internet Explorer, there may be a delay when displaying some screens of Web Maintenance Console. A message may be displayed that reads "Stop running this script?". This message is automatically displayed when a script takes a long time to complete. If this message is displayed, click **No** to continue using Web Maintenance Console. If you click **Yes**, you will have to close the browser window for Web Maintenance Console and log in again. For information about disabling this prompt, refer to your Web browser's on-line support resources.

##### Browser Setting Requirements

The following functions must be enabled in the Web browser's settings to use Web Maintenance Console:

- Cookies
- JavaScript
- The ability to download files
- The display of animations
- The display of images

For details regarding the above settings, refer to your Web browser's documentation.

### PC Specifications (for programming)

The following are recommended specifications for PCs used for programming.

	Recommended Specification
<b>CPU</b>	3.2 GHz Intel® Core™ 2 Duo processor or comparable CPU
<b>RAM</b>	2048 MB
<b>Hard Disk</b>	10 GB available space

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### PC Connection

To connect to Web Maintenance Console, both the PC and the Control Box must be connected. The connection can be made through a local area network (LAN) or a virtual private network (VPN). A PC can also be connected directly to the maintenance port of the Control Box.

### Connecting to Web Maintenance Console

#### 1. Connect the PC to the Control Box:

- Connect the Control Box to a PC with the MNT port and access the Control Box directly from the PC.
- Connect the Control Box to a network with the LAN port and access the Control Box from a PC in your LAN or VPN.

#### Notice

- When connecting the PC to the MNT port, if the PC is set to obtain the IP address automatically, the IP address of the PC will be set to an appropriate IP address to establish a connection to the Control Box. For more information about the connection procedure, refer to "5.2 PC Connection" in the Installation Manual.

#### 2. Access Web Maintenance Console:

##### **MNT Port connection:**

Launch your Web browser and in the address bar, enter the following address exactly as shown:

— **223.0.0.1**

#### **Note**

If connecting using 223.0.0.1 takes a long time, configure a static IP address for the PC.

**LAN or VPN connection:**

Launch your Web browser and input the IP address of the Control Box followed by the Web Maintenance Console port number into the address bar. The input method will differ according to the PC's connection to the Control Box.

The default IP address for the LAN port of the Control Box is 192.168.0.31, and the default Web Maintenance Console port number is 80. Accordingly, the address to enter to connect to the Control Box for the first time will be as follows (enter the address exactly as shown):

**http://192.168.0.31**

**Note**

The IP address and Web Maintenance Console port number for the Control Box can be changed from their default values. If settings for the LAN port's IP address or port number have been forgotten, connect using the MNT port connection as described above and confirm the LAN port's IP address in **16.1 Network Service—[1] IP Address/Ports—Basic Settings**, and the port in **16.2.2 Network Service—[2-5] Server Feature—HTTP**.

3. The Web Maintenance Console login screen is displayed. For details about logging in, see **2.1.2 Logging in to Web Maintenance Console**.
  - If this is the first time the Control Box is accessed (i.e., it is in its initialised, factory default state), you must log in using the specified account. Once you log in, Quick Setup Wizard will launch. For details, see **2.1.3 Quick Setup Wizard**.
  - After the Control Box has been set up using Quick Setup Wizard, Control Box system programming can be performed. To perform programming, log in using an account with administrator privileges. For details about user accounts, see **2.1.1 Web Maintenance Console Accounts**.
4. After you successfully log in to Web Maintenance Console, the Home screen will be displayed and programming can be performed. For details about accessing the different features of Web Maintenance Console, see **2.1.4 Software Interface**.

### 1.2.1 Starting Web Maintenance Console

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## **Section 2**

# ***Introduction of Web Maintenance Console***

*This section serves as reference operating instructions when using Web Maintenance Console to programme the Control Box.*

## 2.1 Introduction

### 2.1.1 Web Maintenance Console Accounts

#### User Accounts

Access to Web Maintenance Console requires a user account with Administrator privileges.

#### Account Login Names and Passwords

Login names and passwords are specified as follows. Passwords are set in Web Maintenance Console (see **8.1.1 Users—User Container—Add User/Edit User**).

Login Name	Password
1-16 character login name, using a-z, A-Z, and 0-9 (case sensitive). Set during account creation.	4-16 character password, using a-z, A-Z, and 0-9 (case sensitive). Set during account creation.

For more information about creating and managing end user accounts, see **8 Users**.

#### CAUTION

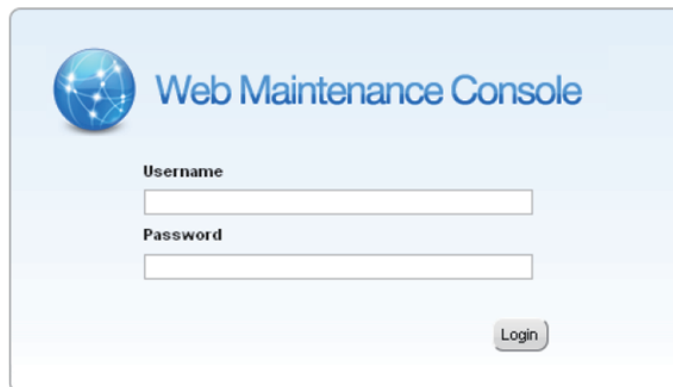
##### *To the Administrator regarding account passwords*

1. To avoid unauthorised access and possible abuse of the Control Box, keep the passwords secret, and be aware of the importance of the passwords, and the possible dangers if they become known to others.
2. The Control Box has no passwords set initially. For security, select a secure password as soon as the Control Box is installed at the site.
3. Change the passwords periodically.
4. It is strongly recommended that passwords of 10 numbers or characters be used for maximum protection against unauthorised access.

### 2.1.2 Logging in to Web Maintenance Console

After establishing a connection to Web Maintenance Console (see **1.2.1 Starting Web Maintenance Console**), the login window is displayed, and a login name and password must be entered. If this is the first time to log in to Web Maintenance Console, and the Control Box is in its initialised, factory default state, you must log in using a specified account to begin Quick Setup Wizard (see **2.1.3 Quick Setup Wizard**). For information about account names and passwords, see **2.1.1 Web Maintenance Console Accounts**.

#### Login Screen

The image shows the login screen for the Web Maintenance Console. It features a light blue background with a globe icon on the left. The text "Web Maintenance Console" is displayed in a blue font. Below the title, there are two input fields: "Username" and "Password". A "Login" button is located at the bottom right of the form.

## Login Restrictions

- If two logged-in users change the same setting, the change made last will be the effective setting.
- If a user attempts to log in, but enters an incorrect password three times, the failure is recorded in the error log of the Control Box. Also, the user may not attempt to log in again for a 5-minute period.

## 2.1.3 Quick Setup Wizard

In Quick Setup Wizard, you configure the mandatory settings for the Control Box. When you log in to Web Maintenance Console and the Control Box is in its initialised, factory default state, Quick Setup Wizard starts automatically.

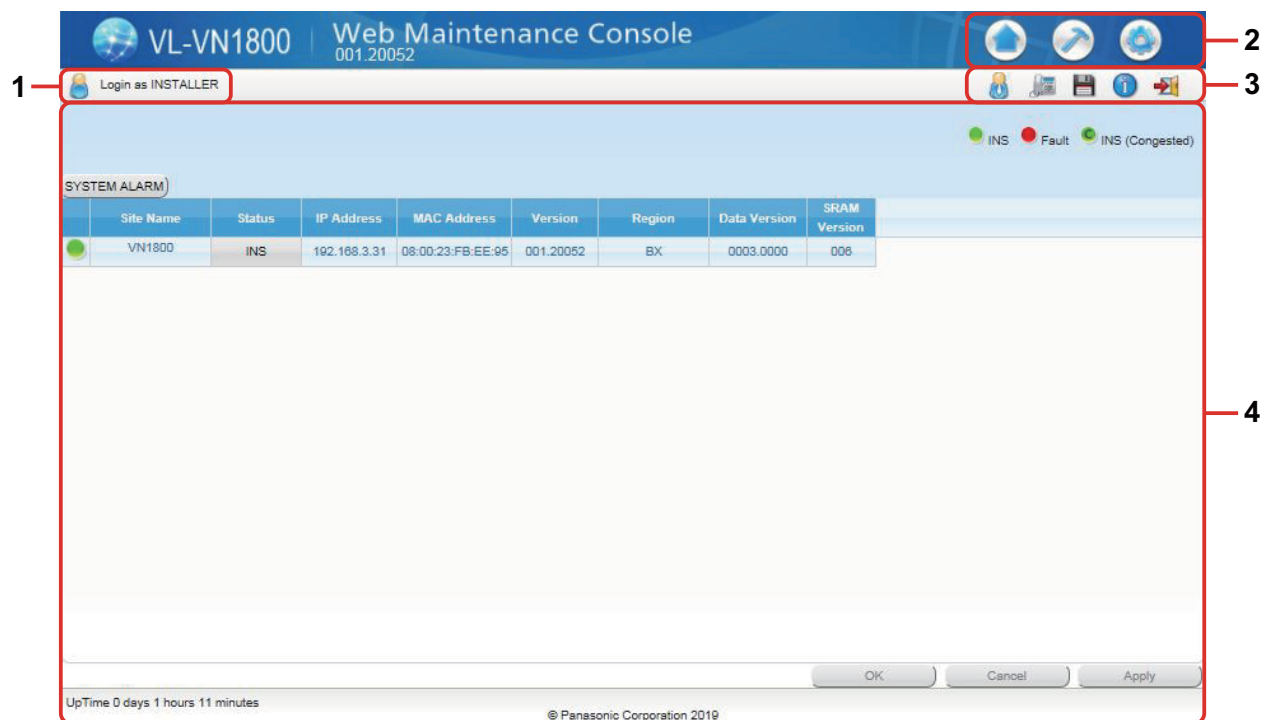
For details about Quick Setup Wizard, refer to "5.4.1 Quick Setup Wizard" in the Installation Manual.

## 2.1.4 Software Interface




This section explains the functions of the various elements of the software interface.

### Main Window

When you log in to Web Maintenance Console, the main window is displayed. For information about connecting to Web Maintenance Console and logging in, see **1.2.1 Starting Web Maintenance Console**. The main window of Web Maintenance Console is divided into several areas, as shown below:








- 1. Logged in login ID**  
The logged in login ID is displayed.
- 2. Menu Buttons**  
Provides access to the three main components of Web Maintenance Console:

Button	Description
 <b>Home Screen</b>	<p>Clicking this button will load the Home Screen. From the Home Screen, you can:</p> <ul style="list-style-type: none"> <li>• View the status of the Control Box</li> <li>• Select the Control Box to perform programming</li> </ul> <p>For more information, see <b>3.1 Home Screen</b>.</p>
 <b>Maintenance Screen</b>	<p>Clicking this button will display the Maintenance Screen tree view items. From the Maintenance Screen, you can:</p> <ul style="list-style-type: none"> <li>• Check the status and equipment of the Control Box</li> <li>• Update Control Box system files</li> <li>• Use tools and reports to monitor and analyse system usage</li> </ul> <p>For more information, see <b>Maintenance Screen Tree View Items</b> below.</p>
 <b>Setup Screen</b>	<p>Clicking this button will display the Setup Screen tree view items. From the Setup Screen, you can:</p> <ul style="list-style-type: none"> <li>• Configure Control Box hardware and virtual cards</li> <li>• Programme settings for extensions and call handling</li> <li>• Configure network settings and auxiliary Control Box functions</li> <li>• Configure the Unified Messaging (UM) system</li> </ul> <p>For more information, see <b>Setup Screen Tree View Items</b> below.</p>

### 3. Web Maintenance Console Features

Clicking these buttons provides features for Web Maintenance Console, as follows:

Button	Description
 <b>Save Data</b>	<p>Clicking this button will save any changes made to settings to the Storage Memory Card. Programming changes that are not saved will be lost if the Control Box is reset or is turned off. Changes may also be lost if Web Maintenance Console is suddenly terminated or the PC running Web Maintenance Console loses power unexpectedly. Be sure to save the data periodically while programming, especially during long programming sessions.</p>
 <b>System Information</b>	<p>Clicking this button displays the Web Maintenance Console software version, copyright notices, and licences.</p>
 <b>Logout</b>	<p>Clicking this button will save any programming changes to the Control Box's Storage Memory Card and log you out of Web Maintenance Console. For more information, see <b>2.2 Logout</b>.</p>
 <b>Extension List View</b>	<p>Clicking this button will display the Extension List View in a separate window. For details, see <b>6.1 Tool—Extension List View</b>.</p>

Button	Description
 <b>User Container List View</b>	Clicking this button will display the User Container List View in a separate window.

#### 4. Home Screen/Tree View

The Home Screen (shown above) displays the Control Box list view. The information and status of the Control Box can be managed and confirmed. For more information, see **3.1 Home Screen**.

When the Maintenance Screen or Setup Screen is selected, the tree view is displayed. The tree view is used to display Control Box setting items. Setting items are listed in categories, and by clicking items in the tree, setting items are displayed to the right in the settings programming area. Some tree items have sub-categories with additional options and settings. Clicking a sub-category will open an additional layer of settings. Below is a summary of the tree view menu items for the Setup Screen and the Maintenance Screen.

##### Maintenance Screen Tree View Items

Item	Primary Functions
Status	<ul style="list-style-type: none"> <li>Check the status of extensions used by the Unified Messaging system</li> </ul> For details, see <b>4 Status</b> .
System Control	<ul style="list-style-type: none"> <li>Download and update Control Box software files</li> <li>Reset or shutdown the system</li> </ul> For details, see <b>5 System Control</b> .
Tool	<ul style="list-style-type: none"> <li>View a list of Control Box extensions</li> <li>Import and export Control Box settings and user information</li> </ul> For details, see <b>6 Tool</b> .
Utility	<ul style="list-style-type: none"> <li>Perform tests for network connections</li> <li>Transfer files between the Control Box and a connected PC</li> <li>View reports, error logs, event logs, and programme update logs</li> <li>Monitor and trace Control Box communications</li> <li>Manage activation keys</li> </ul> For details, see <b>7 Utility</b> .

##### Setup Screen Tree View Items

Item	Primary Functions
Users	<ul style="list-style-type: none"> <li>Manage, view, and add User Containers and account information</li> </ul> For details, see <b>8 Users</b> .
Control Box Configuration	<ul style="list-style-type: none"> <li>Configure Control Box hardware settings for cards, equipment, and networking</li> <li>Configure dialling features and incoming call settings</li> <li>Configure call logging (SMDR) and other Control Box maintenance items</li> </ul> For details, see <b>9 Control Box Configuration—[1] Configuration to 12 Control Box Configuration—[11] Maintenance</b> .

### 2.1.5 Card Status


Item	Primary Functions
UM Configuration	<ul style="list-style-type: none"><li>• Configure Unified Messaging mailboxes and voice mail subscriber settings For details, see <b>13 UM Configuration—[1] Mailbox Settings to 15 UM Configuration—[7] System Security</b>.</li></ul>
Network Service	<ul style="list-style-type: none"><li>• Configure server and client features for the Control Box</li><li>• Configure connection settings and network security For details, see <b>16 Network Service</b>.</li></ul>

## Standard Buttons

There are standard buttons that are displayed on many screens within the Maintenance Console. The standard buttons are as follows:

Button	Function
OK	Temporarily implements changes to the system's memory (DRAM) and closes the current screen.
Cancel	Abandons changes and closes the current screen.
Apply	Temporarily implements changes to the system's memory (DRAM) and remains on the same screen.

## Copying and Pasting Data

Many setting items in Web Maintenance Console can be copied and pasted to other items on the same screen. When the  icon is displayed, clicking it will open a menu where you can specify the copy source and the paste destinations.

1. On a programming screen, click . The copy window will be displayed.

### Note

The  icon may not be displayed for some programming screens.

2. Select the copy source from the **Copy From** drop-down menu.
3. In **Copy To**, select one or more paste destinations. Hold down the "Ctrl" key and click to select destinations one at a time, or hold down the "Shift" key and click to select a range of destinations.
4. In **Items**, select one or more items to copy from the source selected in **Copy From**. Hold down the "Ctrl" key and click to select items one at a time, or hold down the "Shift" key and click to select a range of items.
5. Click **Copy**. The programming item(s) selected in **Items** for the copy source specified in **Copy From** will be copied to the destination(s) specified in **Copy To**.

Individual items can also be copied and pasted in a manner similar to other software programmes. Press "Ctrl"+"c" to copy a highlighted (orange-coloured) programming item entry, select a target cell by pressing the keyboard arrow keys, and then press "Ctrl"+"v" to paste the copied information to the selected cell.

## 2.1.5 Card Status

Certain tools, utilities and settings require that the target card be set to out-of-service (OVS) or in-service (INS) status before the operation is carried out. Where required, this is noted in the description of each item.


- "In service" means that the card is installed correctly in the Control Box, and is capable of being used normally.

- "Out of service" means that the card is installed correctly in the Control Box, but has been temporarily removed from use. This allows settings to be modified or software to be upgraded.
- "Fault" means that the card is not functioning correctly. For more information, see the Installation Manual. For details about how to change the status of a card, see **To change the status (INS/OUS) of a card** in **9.1 Control Box Configuration—[1-1] Configuration—Slot**.


## 2.1.6 Extension Number Setting

Many screens within the Maintenance Console software allow you to select extensions as part of programming various features (for example, as members of a group). These screens use a standard window to make selecting multiple extensions easy, accessed by clicking a button. This feature is for factory use only.



## 2.2 Logout

To log out of Web Maintenance Console, click the  button to end the programming session and return to the Login screen. When this option is chosen, system data is automatically saved from the temporary memory (DRAM) of the Control Box to the Storage Memory Card.

### To log out

1. Click the  button.  
A confirmation message will be displayed.
2. Click **Yes**.

### Note

- If the PC running the Web browser that is connected to Web Maintenance Console is shut down, or the Web browser is closed, any changes that have not been saved to the Storage Memory Card will be lost. To save settings while programming, click the  button on the Home screen. Always end your programming session by clicking the  button.
- If you are logged in but do not perform any operations in Web Maintenance Console for 60 minutes (default value), you will be automatically logged out.



## 2.3 Frequently Asked Questions (FAQ)

This section provides answers to some common questions about using the Maintenance Console software to programme the Control Box. The information is divided into the following topics:

Title	Description
Connection	Connecting to the Control Box using Maintenance Console.
Maintenance Console Software	Using the Maintenance Console software.
Numbering	Changing numbers of individual extensions.
Saving Modified Data	Safely saving Control Box data edited with Maintenance Console.
Setting Features	Setting up individual features.

### Connection

**Q The Maintenance Console cannot connect to the Control Box via a LAN connection.**

- A**
- Is the PC connected to the LAN?
  - Have the IP address and port number of the Control Box been set correctly? For more details, see **16.1 Network Service—[1] IP Address/Ports**.
  - Is the login name and password correct?

### Maintenance Console Software

**Q How do I confirm the software version of the Control Box?**

- A**
- From the Home Screen, access the List View (see **3.1 Home Screen**). The software version of the Control Box is displayed on this screen.

**Q Not all of the characters of a setting can be displayed because the column is too narrow.**

- A**
- Move the mouse to the line between the names of 2 setting items, at the top of the table.  
The pointer will change to a double arrow. Click and drag the line to the right until all characters are displayed.

### Numbering

**Q How do I change the extension number of a wired extension?**

- A**
- Change the extension number of the target port to the new number, and click **Apply**. Next, set the port to OUS status, and then back to INS status.  
You must also change the extension number on the SIP phone. For details, refer to the SIP phone's documentation.

### Saving Modified Data



**Q Modified settings have not been updated in the Control Box.**

- A**
- Click **Apply** or **OK** in the main screen.

**Q If I reset the Control Box directly after modifying settings, the modified settings are not updated in the Control Box.**

## 2.3 Frequently Asked Questions (FAQ)

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- A**
- When you click **Apply**, the settings are updated in the Control Box, but are not yet saved to the Storage Memory Card. If system data is not saved to the Storage Memory Card, the Control Box will restore the data that was last saved to the card in the event that the Control Box is reset, or power is turned off and back on again. Therefore, before resetting the Control Box, click the  button on the Home screen to save the system data to the Storage Memory Card. Also, when you finish a programming session, be sure to click the  button to log out and save the system data to the Storage Memory Card.

## Setting Features

- Q** How do I add an extension as a member of an Incoming Call Distribution (ICD) group?

- A**
- Perform the following steps:
    1. On the **11.1.1.1 Control Box Configuration—[3-5-1] Group—Incoming Call Distribution Group—Group Settings—Member List** screen, from the **ICD Group No.** drop-down list, select the group you want to modify. The ICD group must have an extension number set.
    2. Enter the extension number of the extension you want to add in a blank cell of the **Extension Number** column.
    3. Set **Delayed Ring** as necessary.
    4. Click **Apply**.

Note that it is necessary to set the extension number of the ICD group in advance.

- Q** I have set FWD through system programming, but calls are still not being forwarded.

- A**
- Perform the following steps:
    1. Check that the **Telephony Feature** settings of the target extension on the **8.1.1 Users—User Container—Add User/Edit User** screen are set to one of the forwarding settings.

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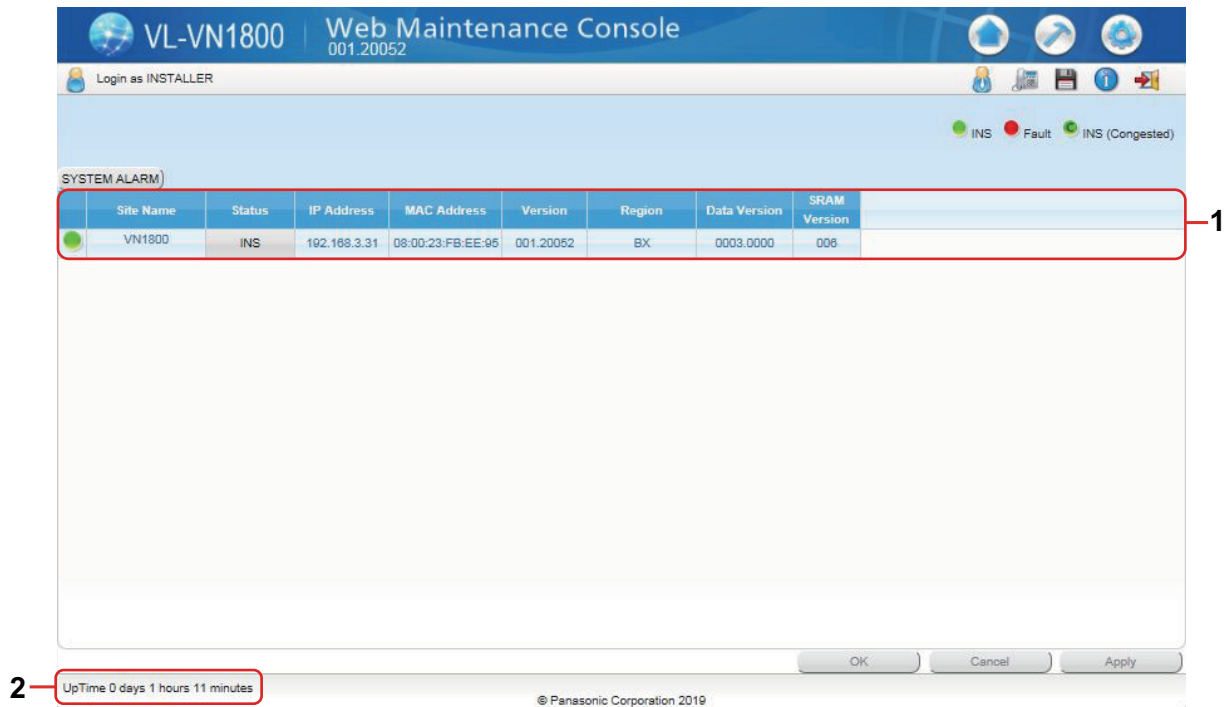
## **Section 3**

# **Web Maintenance Console Home Screen**

*This section explains how to setup the Control Box from the Home Screen of Web Maintenance Console.*

## 3.1 Home Screen

The Home Screen of Web Maintenance Console provides an overall view of the Control Box and allows you to select the Control Box to perform programming. The Home Screen is displayed when you log in to Web Maintenance Console. The screen can also be accessed by clicking the Home Screen icon at the top of the Web Maintenance Console screen.



### 1. List View

List View displays the following information in a list format:

- Site status indicator
- Site Name
- Status (INS, Fault, INS (Congested))
- IP Address
- MAC Address
- Version (software version)
- Region
- Data Version
- SRAM Version
- Click **SYSTEM ALARM**. The Error Log screen will be displayed. For details, see **7.2.1 Utility—Log—Error Log**.

### 2. Control Box information

- The time of when Web Maintenance Console last received information from the Control Box is displayed.
- The uptime of the Control Box is displayed (the total time since the Control Box was last reset).

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## **Section 4**

### **Status**

*This section serves as reference operating instructions for the Status menu of the Maintenance screen of Web Maintenance Console.*

# 4.1 Status—Equipment Status

## 4.1.1 Status—Equipment Status—UM Port status

The UM Port status screen displays each port's status and number for the Unified Messaging system. The screen will be updated every 30 seconds. Each port's status will be displayed in one of the following ways:

- **Online (Ready):** The port is ready to be used.
- **Incoming Call:** The port is handling an incoming call.
- **Outgoing Call:** An outgoing service is being processed.
- **Error Occurred:** An error has been detected.
- **Off Line:** The port is offline.

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## **Section 5**

# **System Control**

*This section serves as reference operating instructions for the System Control menu of the Maintenance screen when programming using Web Maintenance Console.*

## 5.1 System Control—Program Update

The programme file for the following hardware component can be updated with the Program Update feature. The file must be named as indicated in the table to be recognised by the Control Box.

### Hardware that can be updated using Program Update

Programme Type	Target of Update	File Name
MPR Programme	Mother Board	PNMPR

### 5.1.1 System Control—Program Update—Download Program File

Software updates for the Control Box can be downloaded to the Control Box.

#### Manual

Using manual operations, the location of updated Control Box software is specified and downloaded to the Control Box.

#### To download programme files manually

1. In **Location of program files**, select **Local PC** from the **Look in** drop-down list.
2. Click **Browse** and specify the location of the updated programme files stored on the PC logged in to Web Maintenance Console.
3. Click **Execute**, and then click **OK** on the confirmation message that appears. When the transfer is complete, click **OK**.

#### Note

If downloading cannot be completed within 10 minutes (due to slow network speeds or other connection problems), the download operation will be cancelled.

### 5.1.2 System Control—Program Update—Update Program File

Once updated programme files have been downloaded and are stored on the Control Box, they can be used to update the system files of the Control Box. The update process can be set to be automatically performed at a specified time, or the update process can be carried out manually.

#### Note

- When the programme has been updated, the format of the system data is converted automatically to the updated version.
- If the conversion of the system data fails during a programme update, the system can be recovered as follows:
  1. System is rolled back to previous version automatically.
  2. Check the error log to confirm whether the system data conversion had failed. See **7.2.1 Utility—Log—Error Log**.
  3. Update the programme and restart the system.
  4. Transfer the converted system data to the Control Box.

For **Program Update Type**, select **Immediately** or **Timed Update**.

#### Immediately (Manual update)

Update the Control Box's software immediately.



1. In **Email notification**, specify up to 2 e-mail addresses that will receive a notification when programme files have been updated.
2. Updated programme files that can be used to update the Control Box are listed in **Available Program File(s)**. In **Select the target to update**, select the check box for the Control Box (listed as "MainUnit").

**Note**

When selecting an item, a warning message may be displayed. Confirm the contents of the warning, and then click **OK** to continue.

3. Click **Apply**.
4. Click **Execute**.  
The programme files for the Control Box will be updated.

**Note**

The Control Box resets when the update is complete.

**Timed Update (Automatic update)**

Specify a specific date and time to update the Control Box software.

1. In **Email notification**, specify up to 2 e-mail addresses that will receive a notification when programme files have been updated.
2. Updated programme files that can be used to update the Control Box are listed in **Available Program File(s)**. In **Select the target to update**, select the check box for the Control Box (listed as "MainUnit").

**Note**

When selecting an item, a warning message may be displayed. Confirm the contents of the warning, and then click **OK** to continue.

3. In **Date**, specify the date when the update will be executed.
4. In **Update Time**, specify the time of day when the update will be executed.
5. Click **Apply**.
6. Click **Execute**.  
The programme files will be updated at the specified date and time.

**Note**

At most, the process of updating the Control Box can take approximately 30 minutes to complete.

# 5.2 System Control—System Reset

When programming changes or other changes to Control Box settings require a system reset, this command allows a reset to be performed remotely from Web Maintenance Console.

When the system is reset, any settings not saved to the Storage Memory Card are lost. A backup should be performed before the reset to ensure no data is lost. However, a backup should not be performed if settings or data have recently been imported into the system, because performing a backup would overwrite the imported data with the current Control Box settings.

### [Manual System Reset]

1. Select the **System Reset** tab.
2. Confirm the contents of the displayed warning message.
3. Click **Backup** or **Skip** according to the system's status:
  - **Backup**: Click to backup system settings. The system will be reset after the backup has been performed.
  - **Skip**: The system is reset without performing a backup.

If you are logged in to the Control Box that is reset using this command, it is necessary to re-log in to Web Maintenance Console to continue programming.

### [System Reset by Timed Schedule]

1. Select the **Timed Reset** tab.
2. Select the **Reset Mode** (**None**, **One Time**, **Daily**).
3. Set the **Reset Time** (00:00-23:59).
4. Click **Apply** or **OK** to set the system reset.

## 5.3 System Control—System Shutdown

In order to turn off the power to the Control Box, it must first be issued a shutdown command using Web Maintenance Console. Follow the procedure below to prepare the Control Box for system shutdown. When the system is shut down, any settings not saved to the Storage Memory Card are lost. A backup should be performed before the shutdown to ensure no data is lost. However, a backup should not be performed if settings or data have recently been imported into the system, because performing a backup would overwrite the imported data with the current Control Box settings.

1. Confirm the contents of the displayed warning message.
2. Click **Backup** or **Skip** according to the system's status:
  - **Backup**: Click to backup system settings. The system will prepare for shutdown after the backup has been performed.
  - **Skip**: The system is prepared for shutdown without performing a backup.
3. The STATUS LED on the front of the Control Box will flash amber. When shutdown preparations are completed, the STATUS LED will stop flashing and remain a solid amber. Once the STATUS, BATT ALARM, and SYSTEM MODE LEDs light in amber, red, and amber respectively, you may turn off the power switch on the back of the Control Box.



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## **Section 6**

### **Tool**

*This section serves as reference for the Tool menu of the Maintenance screen of Web Maintenance Console.*

## 6.1 Tool—Extension List View

Displays a list of all programmed extension numbers and types. It is possible to sort the information according to Extension Number, Type, Extension Name, Slot, or Port. There is also a key-word searching feature.

The types that can be displayed are as follows:

Type	Detail
SIP	SIP Extension
UM	Unified Messaging
ICD Group	Incoming Call Distribution Group

## 6.2 Tool—Import

Allows several types of system data files or tables to be imported.

The files from which data can be imported are files that were previously saved at the Control Box using the Export tool (see **6.3 Tool—Export**), or comma-separated value (CSV) files. Unsupported file types cannot be opened.

For all tables, it is possible to edit the CSV file directly using an appropriate editor, before importing.

### Note

- You can import only a CSV file that was exported with all items.
- The numbering plan cannot be imported on this screen. To import the numbering plan, you must use Quick Setup Wizard. Therefore, to change the numbering plan after you have set up the Control Box, initialise the Control Box, and then import the desired file again in Quick Setup Wizard.

The types of data that can be imported using this tool are as follows:

### User Container

Data Type	Import Destination
(no fields to select)	(no fields to select)

Related programming: **8.1 Users—User Container**

### SIP Extension

Data Type	Import Destination
(no fields to select)	(no fields to select)

Related programming: **9.7 Control Box Configuration—[1-1] Configuration—Slot—V-SIPEXT128—Port Property**

### ICD Group

Data Type	Import Destination
(no fields to select)	(no fields to select)

Related programming: **11.1 Control Box Configuration—[3-5] Group—Incoming Call Distribution Group**

### Media Relay Gateway

Data Type	Import Destination
(no fields to select)	(no fields to select)

Related programming: **9.3 Control Box Configuration—[1-1] Configuration—Slot—Site Property**

### To import system data

1. From the **Tool** tree menu, select **Import**, and then click the type of data to import.
2. Navigate to the folder containing the system data file you want to open.
3. Select the file.
4. Click **OK** to open the file.  
If applicable, a list of field names found in the imported file will be displayed.

5. Click **OK** to perform the import operation.  
If data in a field being imported does not match the required format for the import destination, an error message will be displayed when the import operation is attempted, and the operation will be cancelled. This can occur when, for example, the destination field can only accept numeric data, but the data being imported contains alphabet characters, as the correct fields were not linked together.



## 6.3 Tool—Export

Allows several types of system data to be exported to files. These files can be used with the Import tool (see **6.2 Tool—Import**) to update another Control Box.

System data is exported as comma-separated value (CSV) files.

### Note

The separator used in CSV files created using the Export tool is decided by the unit specified in List Separator, found in the Windows Control Panel's "Regional Options".

### To export system data

1. From the **Tool** tree menu, select **Export**, and then click the type of data to export.
2. Click **OK**.
3. If a message window is displayed, click **OK**.
4. In the file selection screen, select the **Save** check box, and then click **OK**.



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## **Section 7**

### ***Utility***

*This section serves as reference operating instructions for the Utility menu of the Maintenance screen of Web Maintenance Console.*

## 7.1 Utility—Diagnosis

### 7.1.1 Utility—Diagnosis—Ping

Performs a connection test on network devices. This function sends echo requests to a particular IP address across an IP network, and displays the result of responses and round-trip time.

#### To perform a Ping test

1. Enter a specific IP address in the **IP Address** box.
2. Click **Test** to perform the test.  
The result will be displayed.
3. Select an option:
  - Click **Capture** if you want to save the displayed information.
    1. Enter a file name, or select a file to overwrite.
    2. Click **Save**.
  - Click **Cancel** to return to the Ping screen.

## 7.2 Utility—Log

### 7.2.1 Utility—Log—Error Log

Collects and displays system error information.

Whenever there is a system failure, the Control Box stores the error code generated. The connected PC collects all of these codes, along with other information, and displays an explanatory error message.

The functions of the buttons on this screen are as follows:

Button	Function
Cancel	Closes the Error Log screen without saving.
Save	Saves the currently displayed Error Log information as a text file.
Minor	Displays minor errors, which affect only a certain part of system operation.
Major	Displays major errors, which affect operation of the whole system, or result in system failure.
Information	Displays the information log.
Clear	Erases the stored error log information from both the screen and the Control Box.
Log Information	Clicking this button displays a list of errors and solutions in PDF format, as shown below.

The items displayed on screen are as follows:

Item	Description
Date	The date of the error detection.
Time	The time of the error detection.
Error Code	The 3-digit error code assigned by the Control Box. For details about the error code, refer to the "Log Information" item in the previous table.
Sub Code	<b>SMDR:</b> The 10-digit sub code of the relevant hardware (BBBWXYYZZZ). <b>Web Maintenance Console:</b> The 7-digit sub code of the relevant hardware (WXYYZZZ). For information about the digits of the Sub Code, refer to table "Sub Code Details" below. <b>SIP Registration Failure/SIP Registration Restored:</b> The 5-digit sub code of the extension number.
Error Message	A description of the error.

#### [Sample] List of Errors and Solutions

For each error code, the error message, probable cause, and solutions are explained.

## 7.2.1 Utility—Log—Error Log

### List of Errors and Solutions

The tables below list the errors and their solutions.

When an error whose error code is indicated with "\*" occurs in the Control Box, the ALARM indicator on the front of the shelf turns on red, and the system logs the error information.

When errors are logged, the ALARM indicator will turn off only when the log for major or minor errors is cleared from the Maintenance Console.

#### System Start-up and On-line Operation

Error Code	Error Message	PROBABLE CAUSE	SOLUTION
000*	MPR WDT overflow	<ul style="list-style-type: none"> <li>Control Box main board malfunction</li> <li>Erroneous processing of Control Box software</li> <li>Software error due to external factors</li> </ul>	<ul style="list-style-type: none"> <li>Perform a system reset of the Control Box through Web Maintenance Console (If the system reset cannot be performed, turn off the power switch, and then turn it on)</li> <li>Re-program the Control Box</li> <li>Exchange the Control Box</li> </ul>
001	SDRAM bit error		
002	System Restart	<ul style="list-style-type: none"> <li>A system shutdown or reset was performed using Web Maintenance Console</li> <li>The power switch of the Control Box was turned off, and then turned on</li> <li>Power failure</li> <li>The Control Box was automatically reset due to a system fault or system restoration</li> </ul>	<ul style="list-style-type: none"> <li>This message indicates occurrences of system resets</li> </ul>

### Sub Code Details

Sub Code	Description
<b>BBB</b>	<b>Site ID</b> 000
<b>W</b>	<b>Slot Type</b> <b>For virtual slots</b> – "*" (asterisk)
<b>X</b>	<b>Shelf Number</b> <ul style="list-style-type: none"> <li>– Main Unit: 1</li> <li>– Control Box process: 5</li> <li>– Convert process: 6</li> </ul>
<b>YY</b>	<b>Slot Number</b> <b>When X is not 5 or 6</b> <b>Virtual shelf</b> Virtual Extension slots: 1–47  <b>When X is 5</b> YY: Process code  <b>When X is 6</b> YY: Convert code

Sub Code	Description
<b>ZZZ</b>	<b>Port Number</b> <b>When X is not 5 or 6</b> ZZZ: Optional service card port number (001–XXX)  <b>When X is 5</b> ZZZ: Process number (determined by each process)  <b>When X is 6</b> ZZZ: Convert code

### Note

When there is no parameter for slot and port number, YY and ZZZ will be displayed as "000".  
Example: Sub code for the mother board = "001 100000"

## 7.2.2 Utility—Log—Syslog

Displays a log of system events. Each entry in the log includes the following information:

- **Type:** Describes the type of system event.
- **Date:** The date and time the system event occurred.
- **Message:** Details about the system event.

## 7.2.3 Utility—Log—WEB Operation Log

The WEB Operation Log retains information about user interaction with Web Maintenance Console. The items displayed on screen are as follows:

Item	Description
Date	The date of the event.
Time	The time of the event.
User	The account name of the user accessing Web Maintenance Console.
Info	Blank or the main extension number that has been changed.
Description	A description of the action taken by the user. (i.e. "Login to Web-MC")
IP Address	The IP address of the PC used to access Web Maintenance Console.

### To save the event log as a text file

1. From the WEB Operation Log screen, select **Save**.  
The Save dialogue box will be displayed.
2. Enter a file name.
3. Click **Save**.

### To clear the event log

1. From the WEB Operation Log screen, select **Clear**.

## 7.2.4 Utility—Log—UM System Log

You can export a log of events from the Unified Messaging system for troubleshooting purposes.

1. Click **OK** to export a UM System Log file.
2. Click **Save** to save the data to a local file.
3. Click **OK**.



## 7.3 Utility—Email Notification

### 7.3.1 Utility—Email Notification—Alert

You can specify e-mail addresses that will receive messages regarding the Control Box's status.

#### System Alarm

An e-mail message will be sent to the specified address when there is a system alarm. The e-mail message will contain details about the alarm.

1. For **Filtering Setting**, select the check boxes to specify whether to receive e-mails when there is a Major alarm, a Minor alarm, or Information.
2. Specify one or two e-mail addresses that will receive system alarm alert messages.

#### Notice

Be sure to enter e-mail addresses correctly. If an address is incorrectly entered, an alert will not be received when there is a system alarm, or information regarding the Control Box may be sent unintentionally to a third party.

3. In **Subject** enter the text that will be used for the subject header of e-mails that are sent. For **Format—Message body type**, select the check boxes to specify whether to include the subject in the message body.
  - Type1: Message body does not include the subject
  - Type2: Message body includes the subject
4. Click **OK** when finished.

### 7.3.2 Utility—Email Notification—Test Email

Send a test e-mail to confirm e-mail sending settings are correctly configured.

1. Enter up to 2 e-mail addresses in **Email Address 1** and **Email Address 2**.
2. In **Subject**, enter text to be used as the subject line of the e-mail sent.
3. Click **Execute**. A test mail will be sent to the specified address(es).

Mail settings can be viewed and set in **16.2.4 Network Service—[2-7] Server Feature—SMTP**.

## 7.4 Utility—Activation Key Installation

For information about registering additionally purchased activation keys, refer to "5.4.4 Installing Additional Activation Keys" in the Installation Manual.



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## **Section 8**

### ***Users***

*This section serves as reference operating instructions for the Users menu of the Setup screen of Web Maintenance Console.*

## 8.1 Users—User Container

Manage each user's devices (such as a wired extension and built-in Unified Messaging mailbox). User container information can be registered, edited, or deleted here.

The settings that can be changed in the User Container information for each user are as follows:

### Common

Item	Description
First Name	Specifies the first name of the user (max. 20 characters).
Last Name	Specifies the last name of the user (max. 20 characters).
Extension No.	Displays the extension number associated with this user (reference only). Extension numbers can be set in Extension Settings: <b>8.1.1 Users—User Container—Add User/Edit User</b>
Sub Device No.	Displays the Sub Device No. of the user (0-5 digits) (reference only). The extension number set in Sub Device No. on the Add/Edit screen will be displayed. If no extension number is set, this item will be left blank.

### FWD

Item	Description
First Name	Displays the first name of the user specified in <b>First Name</b> on the <b>Common</b> tab (reference only).
Last Name	Displays the last name of the user specified in <b>Last Name</b> on the <b>Common</b> tab (reference only).
FWD setting - call from Ext. Mode	Displays the FWD setting for calls from extensions specified in <b>FWD Setting</b> in the <b>Telephony Feature</b> tab on the <b>Add User/Edit User</b> screen (reference only).
FWD setting - call from Ext. Destination	Displays the FWD destination for calls from extensions specified in <b>FWD Setting</b> in the <b>Telephony Feature</b> tab on the <b>Add User/Edit User</b> screen (reference only).
FWD No Answer Time (s)	Select the length of time that an incoming call rings at the extension before the call is forwarded.

For settings and details for **FWD** items, refer to the following:

- **8.1.1 Users—User Container—Add User/Edit User**

### Security

Item	Description
First Name	Displays the first name of the user specified in <b>First Name</b> on the <b>Common</b> tab (reference only).
Last Name	Displays the last name of the user specified in <b>Last Name</b> on the <b>Common</b> tab (reference only).
User PIN / Mailbox Password Expiry Period (days)	Factory use only

**Option**

Item	Description
Rule of copy to extension name	Determines how the <b>First Name</b> and <b>Last Name</b> set in <b>User Container</b> is used for the <b>Display Name</b> of the following settings. <b>8.1.1 Users—User Container—Add User/Edit User</b>

**Activation**


Item	Description
First Name	Displays the first name of the user specified in <b>First Name</b> on the <b>Common</b> tab.
Last Name	Displays the last name of the user specified in <b>Last Name</b> on the <b>Common</b> tab.
Extension No.	Displays the extension number associated with this user (reference only). Extension numbers can be set in Extension Settings: <b>8.1.1 Users—User Container—Add User/Edit User</b>
Sub Device No.	Displays the Sub Device No. of the user (0-5 digits) (reference only). The extension number set in Sub Device No. on the Add/Edit screen will be displayed. If no extension number is set, this item will be left blank.
Room Monitor	Displays if there is (On) or is not (Off) a room monitor set to Room Monitor.
Mobilephone	Displays the number of registered smartphones (0-4).
Activation	Displays the number of activations (0-2) set to Activation.

**User Controls**

- **Add Button/Add Single User Button**


To add a user profile for a single extension, click the  button or Add Single User button to open the Add User screen. See **8.1.1 Users—User Container—Add User/Edit User**.

- **Edit Button**

To edit information on an individual user level, select a user from the list by clicking on the row of the user to edit, then clicking the  button to open the Edit User screen with the selected user's information filled in. See **8.1.1 Users—User Container—Add User/Edit User**.

- **Delete Button**

To delete users:

1. Check the box(es) next to the user's name(s) and click the  button.
2. A confirmation message will appear. Click **OK**.
3. The user's information is deleted from the list.

- **Add Range Button/Add Multiple Users Button**

To add multiple User Containers for a range of extensions at one time, click the  button or Add Multiple Users button. See **8.1.2 Users—User Container—Add Multiple Users**.

**8.1.1 Users—User Container—Add User/Edit User**

The **Add User/Edit User** screen provides a method to create user accounts and establish the Control Box settings on a per-user level. When adding a user, the following settings can be specified. This screen will also be displayed with information already entered when editing an existing user.

## User Information

Item	Description
First Name <sup>*1</sup>	Specifies the first name of the user (max 20 characters).
Last Name	Specifies the last name of the user (max 20 characters).
Display Name	Displays the first name and the last name of the user (max 32 characters).
Extension Number	Specifies Extension Number of the user (blank or 2-5 digits). <sup>*2</sup>
Login ID <sup>*1</sup>	Set a login ID for the user (1-16 characters in length).
Password ["A-Z", "a-z", "0-9", "*", "#"] <sup>*1</sup>	Set a password for the user (4-16 characters in length).
Re-enter ["A-Z", "a-z", "0-9", "*", "#"] <sup>*1</sup>	Re-enter the password for confirmation.
User PIN / Mailbox Password ["0-9"]	Factory use only
Confirm new PIN ["0-9"]	Factory use only
WebMC Language	Select the Web Maintenance Console language displayed for the user from the drop-down list. Users may select different display languages without affecting the display of other users.
Memo-1	Specifies the memo (max 64 characters).
Memo-2	Specifies the memo (max 64 characters).
Admin Capability	Select whether to give Administrator authority from the drop-down list.
User Group	Select a User Group from the drop-down list.
Class of Service (COS)	Select the COS for the user from the drop-down list.

<sup>\*1</sup> Required item to set

<sup>\*2</sup> It is impossible to reset the extension number once registered.

The Display Name set on this screen are applied to system settings as follows.

- The Display Name is used as Extension Name for the user's extension number.  
The format of the extension name is determined by the setting in the **User Container—Option** tab:
  - **Rule-A:** [First Name] [space] [Last Name]
  - **Rule-B:** [Last Name] [,] [First Name]

## Notice

If the length of the name copied to the Display Name is longer than the maximum number of characters allowed for the setting, the letters at the end of the name exceeding the maximum will be discarded.

- The **First Name** and **Last Name** are copied to the corresponding **First Name** and **Last Name** for the specified mailbox number.
- Changing the name settings in the Mailbox Settings screen will not change the **First Name** or **Last Name** on this screen (the copying function is one-way).

## Device Settings

Item	Description
Main Device—Number	Displays the extension number of the Main Device.

Item	Description
Sub Device—Number	Specifies the extension number of the Sub Device (2-5 digits).
Sub Device—Delayed Ringing	Select a delayed ringing setting of the Sub Device from the drop-down list.

**Contact**

Item	Description
Phone (Home)	Specifies the user's home telephone number (max. 32 digits).
Email 1–3	Specifies the user's e-mail address(es) (max. 128 characters).

**Notice**

The e-mail addresses set for **Email 1–3** on this screen are applied to system settings as follows.

- If **Use for missed call notification** is checked when the **Email 1–3** information is input, the user will receive an e-mail at the specified addresses when an incoming call is missed.
- If **Use for voice mail notification** is checked when the **Email 1–3** information is input, the user will receive an e-mail at the specified addresses when the user has a new voice message.
- When the **Email 1–3** information is input, the user will receive an e-mail at the specified addresses when there is a sensor notification, an emergency notification, or a user password expiration notification.

**Unified Message**

Item	Description
Mailbox Number	Indicates the UM mailbox number for the user (reference only).

**Telephony Feature**

Item	Description
FWD / Do Not Disturb —For internal calls— Status	Specifies whether to enable the user's FWD/DND settings for extension calls. To enable FWD, specify a value other than <b>None</b> for <b>FWD Setting</b> , and then select <b>FWD On</b> . To enable DND, specify <b>Do Not Disturb</b> for <b>Do Not Disturb Setting</b> and then select <b>DND On</b> .
FWD / Do Not Disturb —For internal calls— FWD Setting	Specifies the user's FWD settings for extension calls. For the FWD destination, <b>Phone (Home)</b> (as specified in the <b>Contact</b> tab), or a manually input number (1-32 digits) can be specified.  <b>Note</b> Calls can be forwarded only to valid extension numbers. If you select <b>Phone (Home)</b> , make sure that an extension number is specified for that setting.
FWD / Do Not Disturb —For internal calls— Do Not Disturb Setting	Specifies the user's DND settings for extension calls.
FWD / Do Not Disturb —FWD No Answer Time	Specifies the length of time that an incoming call rings at the extension before the call is forwarded.

### 8.1.2 Users—User Container—Add Multiple Users

The **User Container—Add Multiple Users** screen provides a method to create multiple User Containers for a range of extensions at one time.

1. In the **From** and **Number of Users** fields, specify the number of users to create profiles for.
2. Select **Create User Container Data from other User template** check box if you want to create User Container data from other User template.
3. If you choose to copy the other User Container data, select a user template from the **Select template** drop-down list.
4. Click **OK**.
5. A confirmation message will be displayed. Confirm the message, and then click **OK** to continue.

#### Settings automatically programmed for each user

- **First Name:** "User\_" + 4 digits of User Container number (i.e., if User Container number is "1", the First Name for the user will be "User\_0001".)
- **Login ID and Password:**  
4 digits of User Container number (i.e., if User Container number is "1", the Login ID and Password for the user will be "0001".)
- **User Group** (when not copying from a User template):
  - If an Administrator creates the user: "1"

#### Note

- When **OK** is clicked, if any extensions within the range specified in step 1 already have user accounts associated with them, User Containers cannot be created, and an error message will be displayed.
- When **OK** is clicked, the progress of creating the User Container data will be displayed. A dialogue box will be displayed to indicate when the process is complete.
- A maximum of 1999 users can be created at once using this feature.



## 8.2 Users—Advanced Extension Settings

For each user, various devices can be assigned.

Name	Description	Value Range	Links
First Name	Indicates the first name of the extension (reference only).	Max. 20 characters	
Last Name	Indicates the last name of the extension (reference only).	Max. 20 characters	
Extension Number	Indicates the extension number of the extension (reference only).	Max. 5 digits (consisting of 0–9)	
User Group	Specifies the extension user group to which the extension belongs.	1–512	
COS	Specifies the COS of the extension.	1–512	



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## Section 9

# Control Box Configuration—[1] Configuration

*This section serves as reference operating instructions for the Configuration menu of the Control Box Configuration menu of the Setup screen of Web Maintenance Console.*

## 9.1 Control Box Configuration—[1-1] Configuration—Slot

The operating characteristics associated with each service card can be programmed. Click the corresponding button or column to display the menu of options for the installed card.

### To access card properties

Click **Edit** in the Card Property column. The property screen for that card will be displayed.

### To access port properties

Click **Port Property** button. The property screen for that card's port or ports will be displayed.

### To change the status (INS/OUS) of a card

1. Click **INS** or **OUS** in the Status column.
2. Select the desired status:
  - Click **INS** to set the card to in-service status.
  - Click **OUS** to set the card to out-of-service status.

### Supported Card Types

Card	Maximum Number	Card Programming
V-SIPEXT128: Virtual 128-Channel SIP Extension Card	16	9.6 Control Box Configuration—[1-1] Configuration—Slot—V-SIPEXT128—Card Property

### Common Programming Reference Items

When programming settings for cards, extensions, and other devices using Web Maintenance Console, depending on the screen being accessed, the following items may be listed on the screen for your reference:

Item	Description
<b>Slot</b>	Indicates the slot number where the card is located.
<b>Port</b>	Indicates the port number assigned to the extension or device.

## 9.2 Control Box Configuration—[1-1] Configuration—Slot—System Property

The properties of the Control Box system can be specified.

### Main

Name	Description	Value Range	Links
DSP CODEC G.711 only (SIP extension)	Specifies whether or not to only use the G.711 codec for SIP extension calls.	Enable, Disable	

### System Status

Name	Description	Value Range	Links
CPU Usage	Displays the system CPU's current processor load, expressed as a percentage of total capacity (reference only).	1.00–100.00%	
Memory Usage	Displays the amount of system memory currently being used, displayed as a percentage of total capacity (reference only).	1.00–100.00%	
Storage Usage	Displays the capacity and used space of the pre-installed Storage Memory Card of the Control Box as a percentage.	1.00–100.00%	
Storage Usage (for Log)	Displays the amount of storage for logs currently being used for the Control Box as a percentage.	0–100%	

## 9.3 Control Box Configuration—[1-1] Configuration—Slot—Site Property

The properties of the Control Box site can be specified. When you place the mouse cursor over the **Site Property** button, the **Main** button is displayed. Click the button to open that site property screen.

### 9.3.1 Control Box Configuration—[1-1] Configuration—Slot—Site Property—Main

Overall settings for the Control Box site can be specified.

#### VoIP-DSP Options

This feature is for factory use only.

#### Port Number

Name	Description	Value Range	Links
Voice (RTP) UDP Port No. (Server)	Specifies the UDP port used by the system to transmit and receive RTP (Real-time Transfer Protocol) data. This must be changed if another network application is using the same port. For voice communications, the system uses 128 contiguous UDP ports, starting from the port number specified here.	1024–64000	
NAT - Voice (RTP) UDP Port No.	Specifies the starting port number of the dynamic ports used for NAT Traversal. (Read only) <sup>*1</sup>	1024–65535	
UDP Port No. for SIP Extension Server	Specifies the UDP port number used for the SIP Extension server.	1024–65535	<b>Feature Manual References</b> 4.2.1 SIP (Session Initiation Protocol) Extension
TLS Port No. for SIP Extension Server	Factory use only	-	
LOGIN Port Number	Specifies the port number used to log in to the Control Box via the LAN.	1024–65535	

<sup>\*1</sup> This setting value is the value from the import file of Quick Setup.

#### LAN Status

Name	Description	Value Range	Links
Link-MNT/ LAN1/LAN2/ LAN3	Displays the link status (reference only). <b>Up</b> is displayed when an L2 link is established. <b>Down</b> is displayed when there is no connection.	Up, Down	

Name	Description	Value Range	Links
Speed-MNT/ LAN1/LAN2/ LAN3	When devices are connected and the L2 link-up is successful, its communication speed is displayed (reference only).	10 Mbps Half Duplex, 10 Mbps Full Duplex, 100 Mbps Half Duplex, 100 Mbps Full Duplex, 1Gbps, -	

## Media Relay

Name	Description	Value Range	Links
Common NAT— External IP Address <sup>*1</sup>	Specifies the NAT device external IP address (common)	blank, 1.0.0.1–223.255.255.254	
Common NAT— External Server Name (for DDNS) <sup>*1</sup>	Specifies the URL of the DDNS service that the router of the site where VL-VN1800 is installed will use.	Max. 253 characters	
SIP Extension NAT— SIP Proxy Server Port No. <sup>*1</sup>	Specifies the outside-facing port of the network gateway connected to SIP proxy server.	0–65535 (Except "50xx" and "x50xx")	
Option NAT—RTP IP Address	Specifies the RTP server's IP address. If using a separate IP address from Common - NAT—External IP Address, configure this setting.	blank, 1.0.0.1–223.255.255.254	
Option NAT—SIP Proxy Server IP Address	Specifies the outside-facing IP address or host name of the network gateway connected to the SIP proxy server. If using a separate IP address from Common - NAT—External IP Address, configure this setting.	blank, 1.0.0.1–223.255.255.254	

<sup>\*1</sup> This setting value is the value from the import file of Quick Setup.

## SIP Extension

This feature is for factory use only.

## Echo Cancellation

This feature is for factory use only.

## 9.4 Control Box Configuration—[1-1] Configuration—Slot—UM Property—UM System Property

This feature is for factory use only.



## 9.5 Control Box Configuration—[1-1] Configuration—Slot—UM Property—UM Port Property

The properties of the Unified Messaging (UM) system's ports can be specified.

### Main

The **Port** for each item is displayed for your reference. For details, see **Common Programming Reference Items** in 9.1 **Control Box Configuration—[1-1] Configuration—Slot**.

Name	Description	Value Range	Links
Extension Number	Specifies the extension number of the port.	Max. 5 digits (consisting of 0–9)	
Connection	Indicates the port status. To change the status of the port, click the desired cell in the column, and then select <b>INS</b> or <b>OUS</b> for the port.	INS: The port is in service. OUS: The port is out of service. Fault: The port is not communicating with the network.	
COS	Specifies the COS of the UM port.	1–512	

## 9.6 Control Box Configuration—[1-1] Configuration—Slot—V-SIPEXT128—Card Property

This feature is for factory use only.

## 9.7 Control Box Configuration—[1-1] Configuration—Slot—V-SIPEXT128—Port Property

Various settings can be programmed for each virtual SIP extension port.

The **Slot** and **Port** for each item are displayed for your reference. For details, see **Common Programming Reference Items** in 9.1 Control Box Configuration—[1-1] Configuration—Slot.

### Main

Name	Description	Value Range	Links
Extension Number	Specifies the extension number of the port.	Max. 5 digits (consisting of 0–9)	<b>Feature Manual References</b> 4.2.1 SIP (Session Initiation Protocol) Extension
Password	Specifies the password used for registering a SIP Extension to the Control Box. This parameter can only be modified when the virtual SIP extension port is set to <b>OUS</b> .  <ol style="list-style-type: none"> <li>Click the <b>Edit</b> button. <b>Password</b> screen is displayed.</li> <li>Enter the new password and then enter it again to confirm it.</li> <li>Click <b>OK</b>.</li> </ol>	4–16 characters (consisting of 0–9, a–z, A–Z)	<b>Feature Manual References</b> 4.2.1 SIP (Session Initiation Protocol) Extension
Connection	Indicates the port status. To change the status of the port, click the desired cell in the column, and then select <b>INS</b> or <b>OUS</b> for the port.	INS: The port is in service. OUS: The port is out of service. Fault: The port is not communicating with the network.	<b>Feature Manual References</b> 4.2.1 SIP (Session Initiation Protocol) Extension
Current IP Address	Indicates the current IP address of the SIP Extension (reference only).	1.0.0.0–223.255.255.255	<b>Feature Manual References</b> 4.2.1 SIP (Session Initiation Protocol) Extension
MWI Method	Factory use only	-	

### Option

The **Slot** and **Port** for each item are displayed for your reference. For details, see **Common Programming Reference Items** in 9.1 Control Box Configuration—[1-1] Configuration—Slot.

Name	Description	Value Range	Links
Extension Number	Specifies the extension number of the port.	Max. 5 digits (consisting of 0–9)	<b>Feature Manual References</b> 4.2.1 SIP (Session Initiation Protocol) Extension
Password	Specifies the password used for registering a SIP Extension to the Control Box. This parameter can only be modified when the virtual SIP extension port is set to <b>OUS</b> .  <ol style="list-style-type: none"> <li>1. Click the <b>Edit</b> button. <b>Password</b> screen is displayed.</li> <li>2. Enter the new password and then enter it again to confirm it.</li> <li>3. Click <b>OK</b>.</li> </ol>	4–16 characters (consisting of 0–9, a–z, A–Z)	<b>Feature Manual References</b> 4.2.1 SIP (Session Initiation Protocol) Extension
Connection	Indicates the port status. To change the status of the port, click the desired cell in the column, and then select <b>INS</b> or <b>OUS</b> for the port.	INS: The port is in service OUS: The port is out of service Fault: The port is not communicating with the network.	<b>Feature Manual References</b> 4.2.1 SIP (Session Initiation Protocol) Extension
Packet Sampling Time (G.711/G.722)	Factory use only	-	
Packet Sampling Time (G.729A)	Factory use only	-	

## 9.8 Control Box Configuration—[1-5] Configuration—DSP Resource

### 9.8.1 Control Box Configuration—[1-5-1] Configuration—DSP Resource—Setting

This feature is for factory use only.

#### 9.8.1.1 Control Box Configuration—[1-5-1] Configuration—DSP Resource—Setting—DSP Resource Advisor

This feature is for factory use only.

### 9.8.2 Control Box Configuration—[1-5-2] Configuration—DSP Resource—Usage

The Usage screen is a graphical display of DSP resource usage. This information is useful to analyse usage patterns over time to determine DSP resource needs and optimal configuration settings.

- The graph displays DSP resource usage over time. The time frame displayed can be displayed in increments of 1 hour, 4 hours, or 24 hours. Up to 30 days of usage data can be stored.

## 9.9 Control Box Configuration—[1-1] Configuration—Slot—Mobile SIP

The properties of the Mobile SIP can be specified.

When you place the mouse cursor over the **Mobile SIP** button, click the button to open that Mobile SIP property screen.

### 9.9.1 Control Box Configuration—[1-1] Configuration—Slot—Mobile SIP—Main

Select **Extension No.** for main room monitor and click **Select** button, following items are displayed.

Name	Description	Value Range	Links
Mobile SIP Mobile phone 1-4	Displays the name of the Mobile phone to be linked to the extension number of the selected main room monitor.	Max. 32 characters	

#### Stopping linked operations

1. Click the **Delete** button next to the name of each Mobile phone.
2. A confirmation message appears. Click **OK** to delete the Mobile phone's name.
3. Click **Apply** or **OK** to save settings.



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## **Section 10**

# **Control Box Configuration—[2] System**

*This section serves as reference operating instructions for the System menu of the Control Box Configuration menu of the Setup screen of Web Maintenance Console.*

## 10.1 Control Box Configuration—[2-1] System—Date & Time

### 10.1.1 Control Box Configuration—[2-1-1] System—Date & Time—Date & Time Setting

The date and time of the Control Box can be programmed.

Name	Description	Value Range	Links
Date & Time	Indicates the current date and time. Values can be entered by clicking the parameter you want to change and typing the new value, or by clicking the up/down arrows beside the date and time.	Year: 2000–2035 Month: 01–12 Day: 01–31 Hour: 00–23 Minute: 00–59 Second: 00–59	

### 10.1.2 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving

Automatic clock adjustment and Summer time (daylight saving time) settings of the Control Box can be programmed. Automatic clock adjustment can be performed using SNTP (Simple Network Time Protocol). To set Summer time, click **10.1.2.1 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving—Daylight Saving**.

Name	Description	Value Range	Links
Automatic Time Adjustment—Automatic Time Correction on Stand-alone mode	Enables the Control Box to automatically adjust its clock every day according to the time information provided by the network.	Disable, SNTP	<b>Feature Manual References</b> 4.4.3 Automatic Time Adjustment
SNTP—SNTP Server—IP Address	Specifies the IP address or host name of the SNTP server.	1.0.0.0–223.255.255.255 (IP address), Max. 253 characters (host name)	<b>Feature Manual References</b> 4.4.3 Automatic Time Adjustment
SNTP—SNTP Server—Port Number	Indicates the port number used for communication with an SNTP server (reference only).	1–65535	<b>Feature Manual References</b> 4.4.3 Automatic Time Adjustment
SNTP—SNTP Server—Version	Specifies the SNTP version.	3, 4	
Time Zone—Time Zone	Specifies your local UTC (Coordinated Universal Time) time zone using the up and down arrows.	-14:00–+14:00	<b>Feature Manual References</b> 4.4.3 Automatic Time Adjustment



Name	Description	Value Range	Links
Time Zone—Time Zone for PC	Indicates the UTC (Coordinated Universal Time) time zone of the PC (reference only).	-14:00—+14:00	<b>Feature Manual References</b> 4.4.3 Automatic Time Adjustment

### 10.1.2.1 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving—Daylight Saving

Summer time can be programmed. Summer time sets the clock one hour forward at 2:00 AM on the start date, and one hour back at 2:00 AM on the end date. The start and end dates of a maximum of 20 different summer times can be programmed.

Name	Description	Value Range	Links
Setting	Enables Summer time.	Disable, Enable	<b>PC Programming Manual References</b> 10.1.2 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving <b>Feature Manual References</b> 4.4.3 Automatic Time Adjustment
Start Date—Year, Month, Day	Specifies the start date of daylight savings time.	Year: 2000–2035 Month: 1–12 Day: 1–31	<b>PC Programming Manual References</b> 10.1.2 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving <b>Feature Manual References</b> 4.4.3 Automatic Time Adjustment
End Date—Year, Month, Day	Specifies the end date of daylight savings time.	Year: 2000–2035 Month: 1–12 Day: 1–31	<b>PC Programming Manual References</b> 10.1.2 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving <b>Feature Manual References</b> 4.4.3 Automatic Time Adjustment

## 10.2 Control Box Configuration—[2-6] System—Numbering Plan

### 10.2.1 Control Box Configuration—[2-6-1] System—Numbering Plan—Main

Details of the extension numbering schemes can be programmed here.

For more information on flexible numbering, see "4.4.5 Flexible Numbering" in the Feature Manual.

#### Note

- Numbering does not necessarily have to be uniform; varying numbers of digits can be used for each setting.
- To programme these settings, all installed V-SIPEXT cards must first be set to OUS. For details, see **9.1 Control Box Configuration—[1-1] Configuration—Slot**.

#### Extension

The leading numbers and the number of additional digits of the extension numbers for a maximum of 128 different extension numbering schemes can be programmed.

Name	Description	Value Range	Links
Leading Number	<p>Specifies the leading number of extension numbers and floating extension numbers.</p> <p><b>Note</b></p> <p>Changing this value will also affect the following settings.</p> <ul style="list-style-type: none"> <li>• <b>Extension Number</b> as set in <b>User Container</b></li> </ul>	Max. 3 digits (consisting of 0–9)	<p><b>PC Programming Manual References</b></p> <p>11.1.1 Control Box Configuration—[3-5-1] Group—Incoming Call Distribution Group—Group Settings</p> <p>11.2.1 Control Box Configuration—[3-7-2] Group—UM Group—Unit Settings</p> <p>8.2 Users—Advanced Extension Settings</p> <p>12.1 Control Box Configuration—[11-1] Maintenance—Main</p> <p>13.1 UM Configuration—[1] Mailbox Settings—Mailbox Number</p>
No. of Additional Digits	Specifies the number of additional digits following the leading number.	None: 0 digit X: 1 digit XX: 2 digits	

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## **Section 11**

# **Control Box Configuration—[3] Group**

*This section serves as reference operating instructions for the Group menu of the Control Box Configuration Menu of the Setup screen of Web Maintenance Console.*

## 11.1 Control Box Configuration—[3-5] Group—Incoming Call Distribution Group

### 11.1.1 Control Box Configuration—[3-5-1] Group—Incoming Call Distribution Group—Group Settings

Extensions can be assigned as members of an incoming call distribution group. Calls to an incoming call distribution group are distributed to its member extensions as programmed. A maximum of 256 incoming call distribution groups can be programmed.

To assign extensions to ICD groups and change extension settings, click **Member List**.

For more information on ICD Groups, see "2.2.1 Incoming Call Distribution Group" in the Feature Manual.

#### Main

Name	Description	Value Range	Links
Floating Extension Number	Specifies the floating extension number of the incoming call distribution group.	Max. 5 digits (consisting of 0–9)	
Group Name	Specifies the name of the incoming call distribution group.	Max. 20 characters	
Call Waiting Distribution	Factory use only	-	
FWD Mode	Factory use only	-	

#### 11.1.1.1 Control Box Configuration—[3-5-1] Group—Incoming Call Distribution Group—Group Settings—Member List

Each incoming call distribution group can have a maximum of 128 members (extensions) assigned to it. An extension can be a member of multiple incoming call distribution groups. Select the desired ICD group (1–256) from the **ICD Group No.** list.

To assign members to the group, enter directly or click **Extension No. Setting** (see **2.1.6 Extension Number Setting**). To copy the members to another group, click **Member list copy**, select the group, and click **OK**.

Name	Description	Value Range	Links
Extension Number	Specifies the extension number of each member.	Max. 5 digits (consisting of 0–9)	<b>Feature Manual References</b> 2.2.1 Incoming Call Distribution Group
Extension Name	Indicates the name of the extension (reference only).	Max. 20 characters	<b>Feature Manual References</b> 2.2.1 Incoming Call Distribution Group
Delayed Ring	Factory use only	-	

## 11.2 Control Box Configuration—[3-7] Group—UM Group

### 11.2.1 Control Box Configuration—[3-7-2] Group—UM Group—Unit Settings

A UM group has a floating extension number, which can be assigned as the destination for redirected calls and incoming calls.

To assign extension numbers to the group, click **Member List**. To view a list of all programmed extension numbers and types, click **Extension List View** (see **6.1 Tool—Extension List View**).

Name	Description	Value Range	Links
Floating Extension No.	Specifies the floating extension number of the UM group.	Max. 5 digits (consisting of 0–9)	<b>PC Programming Manual References</b> 9.5 Control Box Configuration—[1-1] Configuration—Slot—UM Property—UM Port Property  <b>Feature Manual References</b> 3.1.1 Unified Messaging System Overview—UM Ports and the UM Group
Group Name	Specifies the name of the UM group, which will be shown on the display of extensions that call the UM group.	Max. 20 characters	<b>PC Programming Manual References</b> 9.5 Control Box Configuration—[1-1] Configuration—Slot—UM Property—UM Port Property  <b>Feature Manual References</b> 3.1.1 Unified Messaging System Overview—UM Ports and the UM Group

#### 11.2.1.1 Control Box Configuration—[3-7-2] Group—UM Group—Unit Settings—Member List

Displays information about all UM ports that belong to the selected UM group.

Name	Description	Value Range	Links
No.	Indicates the UM port number (reference only).	1–128	<b>PC Programming Manual References</b> 11.2.1 Control Box Configuration—[3-7-2] Group—UM Group—Unit Settings
Extension Number	Indicates the extension number assigned to the UM port (reference only).	Max. 5 digits (consisting of 0–9)	<b>PC Programming Manual References</b> 11.2.1 Control Box Configuration—[3-7-2] Group—UM Group—Unit Settings  <b>Feature Manual References</b> 3.1.1 Unified Messaging System Overview—UM Ports and the UM Group

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## **Section 12**

# **Control Box Configuration—[11] Maintenance**

*This section serves as reference operating instructions for the Maintenance menu of the Control Box Configuration menu of the Setup screen of Web Maintenance Console.*

## 12.1 Control Box Configuration—[11-1] Maintenance—Main

### SMDR

Station Message Detail Recording (SMDR) automatically records detailed information about outgoing intercom calls.

Name	Description	Value Range	Links
SMDR Format—Date Format	Selects the printed date format.	MM-DD-YY, DD-MM-YY, YY-MM-DD, YY-DD-MM	<b>Feature Manual References</b> 2.6.1.1 Station Message Detail Recording (SMDR)
SMDR Format—Time Format (12H / 24H)	Selects whether times are displayed using the 12- or 24-hour format.	12H, 24H	<b>Feature Manual References</b> 2.6.1.1 Station Message Detail Recording (SMDR)
Print Information—Intercom Call	Specifies whether the dialed digits of outgoing intercom calls are printed.	No Print, Print	<b>Feature Manual References</b> 2.6.1.1 Station Message Detail Recording (SMDR)
Print Information—Error Log	Specifies whether Control Box error log information is output to SMDR.	No Print, Print	<b>Feature Manual References</b> 2.6.1.1 Station Message Detail Recording (SMDR)

### SMDR Options

Name	Description	Value Range	Links
LAN—SMDR Port Number	Specifies the port number used to output SMDR data via the LAN.	1–65535	<b>Feature Manual References</b> 2.6.1.1 Station Message Detail Recording (SMDR)
LAN—SMDR Password	Specifies the password used to output the SMDR data via the LAN.	Max. 10 characters	<b>Feature Manual References</b> 2.6.1.1 Station Message Detail Recording (SMDR)



Name	Description	Value Range	Links
LAN—New Line Code for Telnet	Specifies the new line code for a terminal emulator. If the terminal emulator automatically feeds lines with a carriage return, select <b>CR</b> (Carriage Return). If not, select <b>CR + LF</b> (Line Feed).	CR + LF, CR	<b>Feature Manual References</b> 2.6.1.1 Station Message Detail Recording (SMDR)



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## **Section 13**

# ***UM Configuration—[1] Mailbox Settings***

*This section serves as reference operating instructions for the Mailbox Settings menu of the UM Configuration menu of the Setup screen of Web Maintenance Console.*

## 13.1 UM Configuration—[1] Mailbox Settings

A mailbox is automatically created for each User Container. Each mailbox can be edited based on the needs of the subscriber.

With Mailbox Settings, you can set the necessary minimum settings for Unified Messaging mailboxes.

Name	Description	Value Range	Links
Mailbox Number	Displays the subscriber's mailbox number (reference only). If the mailbox is created at a user container, the extension number of the user's main device is displayed.	2–6 digits	<b>Feature Manual References</b> 3.1.1 Unified Messaging System Overview 3.2.2.4 Mailbox
Extension	Displays the extension number of the mailbox's subscriber (reference only).	Max. 5 digits	<b>Feature Manual References</b> 3.1.1 Unified Messaging System Overview 3.2.2.4 Mailbox
First Name	Displays the first name of the subscriber (reference only). If the mailbox was created with a user container, the first name specified in the user container is displayed.	Max. 20 characters	<b>PC Programming Manual References</b> 14.1 UM Configuration—[2] Class of Service—Directory Listing
Last Name	Displays the last name of the subscriber (reference only). If the mailbox was created with a user container, the last name specified in the user container is displayed.	Max. 20 characters	

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## **Section 14**

# ***UM Configuration—[2] Class of Service***

*This section serves as reference operating instructions for the Class of Service menu of the UM Configuration menu of the Setup screen of Web Maintenance Console.*

## 14.1 UM Configuration—[2] Class of Service

Each mailbox is assigned a Class of Service (COS) that determines the set of services that are available to its subscriber. There are 514 classes. Mailboxes can be assigned to their own or to the same COS as needed. COS No. 514 is assigned to the System Manager by default.

No other mailboxes can be assigned to COS No. 513 and 514.

### General

Name	Description	Value Range	Links
Class Of Service Name	Specifies the Class of Service's name.	Max. 32 characters	<b>Feature Manual References</b> 3.2.1.2 Class of Service (COS)
Prompt Mode	Specifies the language used for system prompts played for the subscriber during Subscriber Service.	Primary, Guidance No. 1–8	<b>Feature Manual References</b> 3.2.1.6 System Prompts
Directory Listing	Factory use only	-	
Tutorial	Factory use only	-	
Call-through Service	Factory use only	-	
E-mail Option	Specifies if subscribers in the Class of Service can receive notifications by e-mail when they have a new message waiting.	Yes, No	<b>Feature Manual References</b> 3.2.1.4 Message Waiting Notification—E-mail Device
Desktop Messaging	Factory use only	-	
System Manager Authority	Specifies if subscribers in the Class of Service have access to the Unified Messaging system as a System Manager.	Yes, No	<b>Feature Manual References</b> 3.1.1 Unified Messaging System Overview
Message Manager Authority	Factory use only	-	

### Mailbox

Name	Description	Value Range	Links
Personal Greeting Length (s)	Factory use only	-	
Message Length (Selection)	Specifies if the length of messages left for subscribers in the Class of Service are unlimited in duration or have a specified time limit. If set to "Unlimited", the maximum recording time is 60 minutes.	Unlimited, Limited	

Name	Description	Value Range	Links
Message Length (Limited) (min)	Specifies the maximum recording time for messages left to subscribers in the Class of Service. Only specified if <b>Message Length (Selection)</b> is set to "Limited".	1–60 min	
Mailbox Capacity Maximum Message Time (Selection)	Specifies if a maximum limit is applied to the total amount of messages (new and saved) for mailboxes of subscribers in the Class of Service.	Unlimited, Limited	
Mailbox Capacity Maximum Message Time (Limited) (min)	Specifies the total number of available minutes for storing messages (both new and saved) for mailboxes of subscribers in the Class of Service. Only specified if <b>Mailbox Capacity Maximum Message Time (Selection)</b> is set to "Limited".	1–600 min	
New Message Retention Time (Selection)	Specifies if a retention time limit is applied to new messages in mailboxes of subscribers in the Class of Service. If "Unlimited" is selected, new messages will remain in the mailbox until erased by the subscriber.	Unlimited, Limited	
New Message Retention Time (Limited) (days)	Defines the number of days that new messages will remain in mailboxes for subscribers in the Class of Service. The storage period begins the day after the message reception. Only specified if <b>New Message Retention Time (Selection)</b> is set to "Limited".	1–30 days	
Saved Message Retention Time (Selection)	Specifies if a retention time limit is applied to saved messages in mailboxes of subscribers in the Class of Service. If "Unlimited" is selected, saved messages will remain in the mailbox until erased by the subscriber.	Unlimited, Limited	
Saved Message Retention Time (Limited) (days)	Defines the number of days that saved messages will remain in mailboxes for subscribers in the Class of Service. Only specified if <b>Saved Message Retention Time (Selection)</b> is set to "Limited".	1–30 days	
Message Retrieval Order	Specifies the order in which messages will be retrieved for subscribers in the Class of Service (played back for listening).	<b>LIFO</b> : Messages are retrieved starting with the most recent (Last In First Out). <b>FIFO</b> : Messages are retrieved starting with the oldest (First In First Out).	

## 14.1 UM Configuration—[2] Class of Service

Name	Description	Value Range	Links
Message Envelope Setting	Specifies when message envelopes (message date and time, name of the person who recorded or transferred the message, telephone number of the caller) are announced.	<b>Before:</b> The system announces the message envelope before playing the recorded message. <b>After:</b> The system announces the message envelope after playing the recorded message. <b>Require:</b> The system announces the message envelope when the user presses the appropriate dial key as prompted when listening to the message.	
Mailbox Capacity Warning (Selection)	Factory use only	-	
Mailbox Capacity Warning (Other) (min)	Factory use only	-	
Delete Message Confirmation	If set to "Yes", the system requests confirmation from subscribers in the Class of Service before erasing a message in the mailbox. If set to "No", the message is erased immediately.	No, Yes	
Autoplay New Message	If set to "Yes", the system plays new messages automatically when subscribers in the Class of Service log into their mailboxes.	No, Yes	
Play New Messages Sequentially	If set to "Yes", the system plays all new messages for subscribers in the Class of Service sequentially without system prompts. The subscriber's Service Top Menu will be heard after all of the messages are played. This feature is only available when <b>Autoplay New Message</b> is set to "Yes".	No, Yes	
Announce Message Transferred Information	Factory use only	-	
Announce Option Menu after Erasing Message	Factory use only	-	
New Message Length Announcement	Factory use only	-	

### Call Transfer

This feature is for factory use only.



## Hospitality Mode

Name	Description	Value Range	Links
Hospitality Mode	Specifies whether subscribers in the Class of Service have the Hospitality Mode enabled. This setting must be set to "Yes" to enable other Hospitality Mode settings. When this item is set to "Yes", only the following options are made available to subscribers: <ul style="list-style-type: none"> <li>Listen to Messages</li> </ul>	No, Yes	<b>Feature Manual References</b> 3.2.1.3 Hospitality Mode
Password	Factory use only	-	
Owner Name	Factory use only	-	
Erase When Check Out - Password	Factory use only	-	
Erase When Check Out - Owner Name	Factory use only	-	



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## **Section 15**

# ***UM Configuration—[7] System Security***

*This section serves as reference operating instructions for the System Security menu of the UM Configuration menu of the Setup screen of Web Maintenance Console.*

## 15.1 UM Configuration—[7] System Security

### Manager

Name	Description	Value Range	Links
Tenant Number	Factory use only	-	
Login Failures before Disconnection (1-99 times)	Specifies the number of times an invalid password can be entered, when the System Manager tries to log in to the system using a telephone, before the call is disconnected.	1–99 times	
System Manager Access from Telephone	Enables or disables access to the Unified Messaging system from the System Manager's telephone.	Disable, Enable	
Password for System Manager (Up to 16 numeric digits)	If "Enable" is selected in <b>System Manager Access from Telephone</b> , assign a numerical password here for the System Manager to log in to the system.	Max. 16 digits	<b>Feature Manual References</b> 3.1.2.1 System Security

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## **Section 16**

# **Network Service**

*This section serves as reference operating instructions for the Network Service menu of the Setup screen of Web Maintenance Console.*

## 16.1 Network Service—[1] IP Address/Ports

### Basic Settings

Name	Description	Value Range	Links
LAN Setting—DHCP Port Number	Specifies the port number of the DHCP client. This parameter is only available for entering values when <b>Obtain an IP address automatically</b> is selected.	68, 1024–65535	
LAN Setting—Obtain an IP address automatically/Use the following IP address	Specifies whether to enable the DHCP server to assign IP address information automatically to the mother board, or to enter the information manually.	Obtain an IP address automatically, Use the following IP address	<b>Feature Manual References</b> 4.5.2 Dynamic Host Configuration Protocol (DHCP) Assignment
LAN Setting—IP Address	Specifies the IP address of the mother board. This parameter is only available for entering values when <b>Use the following IP address</b> is selected.	1.0.0.0–223.255.255.255	
LAN Setting—MAC Address	Indicates the MAC address of the mother board (reference only).	00:00:00:00:00:00–FF:FF:FF:FF:FF:FF	
LAN Setting—Subnet Mask	Specifies the network mask address of the mother board. This parameter is only available for entering values when <b>Use the following IP address</b> is selected.	0–255.0–255.0–255.0–255 (except 0.0.0.0 and 255.255.255.255)	
LAN Setting—Default Gateway	Specifies the IP address of the default gateway for the network. This parameter is only available for entering values when <b>Use the following IP address</b> is selected.	0.0.0.0–223.255.255.255	
LAN Setting—Local Domain	Specifies the Local Domain for the network.	Max. 128 characters	
DNS Setting—Port Number	Specifies the port number of the DNS server. This parameter is only available for entering values when <b>Obtain DNS server address automatically</b> is selected.	53, 1024–65535	

Name	Description	Value Range	Links
DNS Setting— Obtain DNS server address automatically/Use the following DNS server address	Specifies whether to enable the DHCP server to assign DNS server address information automatically to the mother board, or to enter the information manually.	Obtain DNS server address automatically, Use the following DNS server address	<b>Feature Manual References</b> 4.5.2 Dynamic Host Configuration Protocol (DHCP) Assignment
DNS Setting— Preferred DNS IP Address	Specifies the preferred IP address for the DNS server. This parameter is only available for entering values when <b>Use the following DNS server address</b> is selected.  <b>Note</b> Since communication over a VPN will not be possible, do not set a destination IP address in the VPN for this setting.	1.0.0.0– 223.255.255.255	
DNS Setting— Alternative DNS IP Address	Specifies the alternative IP address for the DNS server. This parameter is only available for entering values when <b>Use the following DNS server address</b> is selected.  <b>Note</b> Since communication over a VPN will not be possible, do not set a destination IP address in the VPN for this setting.	1.0.0.0– 223.255.255.255	
DSP IP Setting— Obtain DSP IP address automatically/Use the following DSP IP address	Specifies whether the DHCP server assigns IP address information automatically to the DSP card, or to enter the information manually.	Obtain DSP IP address automatically, Use the following DSP IP address	
DSP IP Setting — DSP Card #1 - 1/DSP Card #1 - 2— IP Address	Specifies the IP address of the DSP card. This parameter is only available for entering values when <b>Use the following DSP IP address</b> is selected.	1.0.0.0– 223.255.255.255	
DSP IP Setting — DSP Card #1 - 1/DSP Card #1 - 2— MAC Address	Indicates the MAC address of the DSP card (reference only).	00:00:00:00:00:00– FF:FF:FF:FF:FF:FF	

## Advanced Settings

Name	Description	Value Range	Links
LAN Port—Speed & Duplex	Specifies the connection mode of the main port. The connection is made in 100 Mbps/half duplex when Auto negotiation fails.	Auto: Automatic mode selection 1000M-Full: 1000 Mbps/full duplex 1000M-Half: 1000 Mbps/half duplex 100M-Full: 100 Mbps/full duplex 100M-Half: 100 Mbps/half duplex 10M-Full: 10 Mbps/full duplex 10M-Half: 10 Mbps/half duplex	
LAN Port—MDI/MDIX	Specifies the cable type connected to the LAN port.	Auto, MDI, MDIX	
Maintenance Port—Speed & Duplex	Specifies the connection mode of the maintenance port. The connection is made in 100Mbps/half duplex when Auto negotiation fails.	Auto: Automatic mode selection 1000M-Full: 1000 Mbps/full duplex 1000M-Half: 1000 Mbps/half duplex 100M-Full: 100 Mbps/full duplex 100M-Half: 100 Mbps/half duplex 10M-Full: 10 Mbps/full duplex 10M-Half: 10 Mbps/half duplex	
Port Mirroring—Packet kind for mirroring	Specifies the types of packets used for port mirroring.	Disable LAN (All packets) LAN (Data packets Control Box) LAN (Voice packets)	

## Reference

The items displayed in this tab are the settings obtained from a DHCP server by the DHCP client of the Control Box. They are for reference only.

Name	Description	Value Range	Links
Assigned IP Address—IP Address	Indicates the assigned IP address of the mother board (reference only).	-	
Assigned IP Address—MAC Address	Indicates the MAC address of the mother board (reference only).	-	
Assigned IP Address—Subnet Mask	Indicates the network mask address of the mother board (reference only).	-	
Assigned IP Address—Default Gateway	Indicates the assigned IP address of the default gateway for the network (reference only).	-	
Assigned DNS Server Address—Preferred DNS IP Address	Indicates the assigned IP address for the preferred DNS server (reference only).	-	
Assigned DNS Server Address—Alternative DNS IP Address	Indicates the assigned IP address for the alternative DNS server (reference only).	-	
DSP Card #1 - 1/DSP Card #1 - 2—IP Address	Indicates the IP address assigned for the DSP card (reference only).	-	
DSP Card #1 - 1/DSP Card #1 - 2—MAC Address	Indicates the MAC address of the DSP card (reference only).	-	



Name	Description	Value Range	Links
DSP Card #1 - 1/DSP Card #1 - 2—Subnet Mask	Indicates the Subnet Mask address of the DSP card (reference only).	-	
DSP Card #1 - 1/DSP Card #1 - 2—Default Gateway	Indicates the Default Gateway address of the DSP card (reference only).	-	

## 16.2 Network Service—[2] Server Feature

### 16.2.1 Network Service—[2-1] Server Feature—DHCP(LAN)

Settings for the DHCP Server can be programmed.

#### Basic Settings

Name	Description	Value Range	Links
DHCP Server	Specifies if the DHCP server functions of the Control Box are enabled or not.	Disable, DHCP Server, DHCP Relay Agent	
Port number	Specifies the port number used for the DHCP server.	67, 1024–65535	
Server IP address for Relay	Specifies the IP address for the DHCP server for DHCP Relay. This setting is only available when <b>DHCP Relay Agent</b> is checked.	1.0.0.1–255.255.255.255	

#### IP address auto assignment

Name	Description	Value Range	Links
Starting IP address	Specifies the starting IP address for the assignable range of IP addresses.	1.0.0.1–223.255.255.254	
Ending IP address	Specifies the ending IP address for the assignable range of IP addresses.	1.0.0.1–223.255.255.254	
Lease interval (h)	Specifies the duration in hours of the DHCP allocation lease.	1–168 (hours)	
Auto assignment exclusions	Up to 96 IP Addresses can be specified that will not be automatically assigned.	1.0.0.1–223.255.255.254	

#### IP Address Static Assignment

Name	Description	Value Range	Links
MAC Address	Specifies the MAC addresses of the MAC address/IP address pairs to be subject to static DHCP allocation.	00:00:00:00:00:00–FF:FF:FF:FF:FF:FF	
IP Address	Specifies the IP addresses of the MAC address/IP address pairs to be subject to static DHCP allocation.	1.0.0.0–223.255.255.255	

#### IP Address Assignment List

Name	Description	Value Range	Links
MAC Address	Specifies MAC addresses currently specified by the system.	00:00:00:00:00:00–FF:FF:FF:FF:FF:FF	
IP Address	Specifies IP addresses currently assigned by the system.	1.0.0.0–223.255.255.255	
Remaining lease time	Specifies the remaining lease time for the MAC address/IP address pair.	1–85777 s	

## 16.2.2 Network Service—[2-5] Server Feature—HTTP

HTTP server settings can be programmed.

Name	Description	Value Range	Links
HTTP (LAN / MNT)—Port number	Specifies the port number for HTTP connections using the LAN or MNT ports. This port is used for accessing the Control Box for Web Maintenance Console programming.	80, 1024–65535	
HTTPs (LAN / MNT)—HTTPs server	Enables or disables HTTPs for connections to the LAN or MNT ports using the Control Box's HTTP server function.	Disable, Enable	
HTTPs (LAN / MNT)—Port number	Specifies the port number for HTTPs connections. This port is used for accessing the Control Box for Web Maintenance Console programming when using a TLS connection.	443, 1024–65535	
HTTPs (WAN)—HTTPs Server	Enable or disable HTTPs for connections to the WAN port using the Control Box's HTTP server function.	Disable/Enable	
HTTPs (WAN)—Port number	Specifies the port number for HTTPs connections to the WAN port using the Control Box's HTTP server function.	443, 1024–65535	
HTTPs (WAN)—Port Close Control	Specifies how HTTPs (WAN) is disabled. If you enabled the HTTPs (WAN) port and select Automatic (24H), it will be disabled automatically after 24 hours for security purpose.	Automatic (24H), Manual	
Automatic logout Timer (min)	Factory use only	-	

## 16.2.3 Network Service—[2-6] Server Feature—NTP

NTP server settings for use with SIP phones can be programmed.

Name	Description	Value Range	Links
NTP server	Enables or disables NTP service with the Control Box's NTP server for connected SIP phones. When this feature is enabled, the Control Box will report to connected SIP phones the information obtained from the SNTP server specified in <b>10.1.2 Control Box Configuration—[2-1-2] System—Date &amp; Time—SNTP / Daylight Saving</b> . If this feature is disabled, connected SIP phones will use their individually programmed time settings.	Disable, Enable	<b>PC Programming Manual References</b> 10.1.2 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving—SNTP—SNTP Server—IP Address 10.1.2 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving—SNTP—SNTP Server—Port Number 10.1.2 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving—Time Zone—Time Zone

## 16.2.4 Network Service—[2-7] Server Feature—SMTP

Settings for SMTP for sending e-mail for Control Box functions can be programmed.

Name	Description	Value Range	Links
Mail sending—Mail sender information name	Specifies the name to be used as the sender of the e-mails from the Control Box.	Max. 64 characters	
Mail sending—Mail address	Specifies the sending e-mail address for messages sent from the Control Box. This address, for example, could be set as the e-mail address of an administrator.	Max. 128 characters	
SMTP server for relay—SMTP server address—IP Address	Specifies the IP address of the SMTP server to be used to send e-mails.	1.0.0.0–223.255.255.255	
SMTP server for relay—SMTP server address—Name	Specifies the host name of the SMTP server to be used to send e-mails.	Max. 128 characters	
SMTP server for relay—SMTP server Port number	Specifies the port number of the SMTP server to be used to send e-mails.	25, 1024–65535	
SMTP server for relay—SMTP over TLS	Specifies whether the SMTP server uses Transport Layer Security.	Enable, Disable  <b>Note</b> When <b>Enable</b> is selected, the encryption method used is STARTTLS.	
SMTP Authentication—SMTP Authentication	Specifies whether authentication on the SMTP server is enabled.	Enable, Disable	
SMTP Authentication—User Name	Specifies the user name required to access the SMTP server.	Max. 64 characters	
SMTP Authentication—Password	Specifies the password required to access the SMTP server.	Max. 64 characters	
POP Before SMTP—POP before SMTP	Specifies whether POP before SMTP is enabled on the SMTP server.	Enable, Disable	
POP Before SMTP—POP server address—IP Address	Specifies the IP address of the POP server when POP before SMTP is enabled.	1.0.0.0–223.255.255.255	
POP Before SMTP—POP server address—Name	Specifies the host name of the POP server when POP before SMTP is enabled.	Max. 128 characters	
POP Before SMTP—POP server Port number	Specifies the port number of the POP server when POP before SMTP is enabled.	110, 1024–65535	

Name	Description	Value Range	Links
POP Before SMTP—User Name	Specifies the user name for the POP server when POP before SMTP is enabled.	Max. 64 characters	
POP Before SMTP—Password	Specifies the password for the POP server when POP before SMTP is enabled.	Max. 64 characters	
Mail Receiving—SMTP Authentication	Specifies if SMTP authentication is enabled for mail receiving.	Enable, Disable	
Mail Receiving—SMTP over TLS	Specifies whether mail receiving uses Transport Layer Security for SMTP.	Enable, Disable	
Mail Receiving—Receive Port number (SMTPs)	Specifies the receiving port number when using SMTPs.	25, 465, 587, 1024–65535	
Mail Receiving—Receive Port number (SMTP)	Specifies the receiving port number when using SMTP.	25, 1024–65535	

## 16.3 Network Service—[3] Client Feature

### 16.3.1 Network Service—[3-2] Client Feature—Syslog

Settings can be programmed for a Syslog client connection.

Name	Description	Value Range	Links
Remote Syslog	Specifies whether an external Syslog server will be used with the Control Box.	Enable, Disable	
Remote Syslog server—IP address / Host name	Specifies the IP address or host name of the external Syslog server.	1.0.0.0–223.255.255.255 (IP address), Max. 253 characters (host name)	
Port	Specifies the connection port for the remote Syslog server.	514, 1024–65535	

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## ***Feature Programming References***

## Automatic Time Adjustment

- 10.1.1 Control Box Configuration—[2-1-1] System—Date & Time—Date & Time Setting
- 10.1.2 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving—Automatic Time Adjustment—Automatic Time Correction on Stand-alone mode
- 10.1.2.1 Control Box Configuration—[2-1-2] System—Date & Time—SNTP / Daylight Saving—Daylight Saving

### Feature Manual References

4.4.3 Automatic Time Adjustment

## Call Forwarding (FWD)

- 8.1.1 Users—User Container—Add User/Edit User—Telephony Feature

### Feature Manual References

2.3.1 Call Forwarding (FWD)

## Do Not Disturb (DND)

- 8.1.1 Users—User Container—Add User/Edit User—Telephony Feature

### Feature Manual References

2.3.2 Do Not Disturb (DND)

## Dynamic Host Configuration Protocol (DHCP) Assignment

- 16.1 Network Service—[1] IP Address/Ports—Basic Settings
  - LAN Setting—Obtain an IP address automatically/Use the following IP address
  - LAN Setting—IP Address
  - DSP IP Setting—Obtain DSP IP address automatically/Use the following DSP IP address

### Feature Manual References

4.5.2 Dynamic Host Configuration Protocol (DHCP) Assignment

## Dynamic Host Configuration Protocol (DHCP) Server

- 16.2.1 Network Service—[2-1] Server Feature—DHCP(LAN)

### Feature Manual References

4.4.4 Dynamic Host Configuration Protocol (DHCP) Server

## E-mail Notification for Extension Users

- 8.1.1 Users—User Container—Add User/Edit User
- 16.2.4 Network Service—[2-7] Server Feature—SMTP

### Feature Manual References

4.3.1 E-mail Notification for Extension Users

## Flexible Numbering

- 10.2.1 Control Box Configuration—[2-6-1] System—Numbering Plan—Main



**Feature Manual References**

## 4.4.5 Flexible Numbering

**Floating Extension**

- 10.2.1 Control Box Configuration—[2-6-1] System—Numbering Plan—Main—Extension
- 11.1.1 Control Box Configuration—[3-5-1] Group—Incoming Call Distribution Group—Group Settings—Main
  - Floating Extension Number
  - Group Name
- 11.2.1 Control Box Configuration—[3-7-2] Group—UM Group—Unit Settings—Floating Extension No.

**Feature Manual References**

## 4.4.6 Floating Extension

**Group**

- 11 Control Box Configuration—[3] Group

**Feature Manual References**

## 4.1.1 Group

**Incoming Call Distribution Group Features**

- 11.1.1 Control Box Configuration—[3-5-1] Group—Incoming Call Distribution Group—Group Settings
- 11.1.1.1 Control Box Configuration—[3-5-1] Group—Incoming Call Distribution Group—Group Settings—Member List

**Feature Manual References**

## 2.2.1 Incoming Call Distribution Group

**Intercom Call**

- 8.1.1 Users—User Container—Add User/Edit User
  - Extension Number
  - Display Name

**Feature Manual References**

## 2.4.1 Intercom Call

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- 7.1.1 Utility—Diagnosis—Ping

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## 4.5.3 PING Confirmation

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- 9.7 Control Box Configuration—[1-1] Configuration—Slot—V-SIPEXT128—Port Property

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- 5.1 System Control—Program Update

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- 7.2.2 Utility—Log—Syslog
- 16.3.1 Network Service—[3-2] Client Feature—Syslog

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- 9.5 Control Box Configuration—[1-1] Configuration—Slot—UM Property—UM Port Property
- 11.2.1 Control Box Configuration—[3-7-2] Group—UM Group—Unit Settings

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- 8.2 Users—Advanced Extension Settings—COS
- 14.1 UM Configuration—[2] Class of Service

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- 14.1 UM Configuration—[2] Class of Service—Hospitality Mode

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- 13.1 UM Configuration—[1] Mailbox Settings

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- 14.1 UM Configuration—[2] Class of Service—General—E-mail Option

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- 14.1 UM Configuration—[2] Class of Service—General—Prompt Mode

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- 15.1 UM Configuration—[7] System Security

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Panasonic Corporation

1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan  
<http://www.panasonic.com>

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