

CASIO VoIP Software Server Configuration Manual

(Version 1.02)

CASIO Computer Co., Ltd.

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Editorial Record

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Preface

This reference manual explains how to configure the server environment for the **CASIO VoIP Software** (“CVS”).

The **CASIO VoIP Software** (“CVS”) consists of the following software.

Software	Device/Terminal
HT Client	HT Client
CVS Server	CVS Server PC
PC Client	PC Client (PC)

The word of “CVS Client” used in this manual refers to both HT Client terminal and PC Client (PC).

1. System Configuration

This chapter explains the system configuration of VoIP using the **CASIO VoIP Software (“CVS”)** (see Figure 1.1) and software to install in each device/terminal, and supported devices and Oss. See Table 1.1.

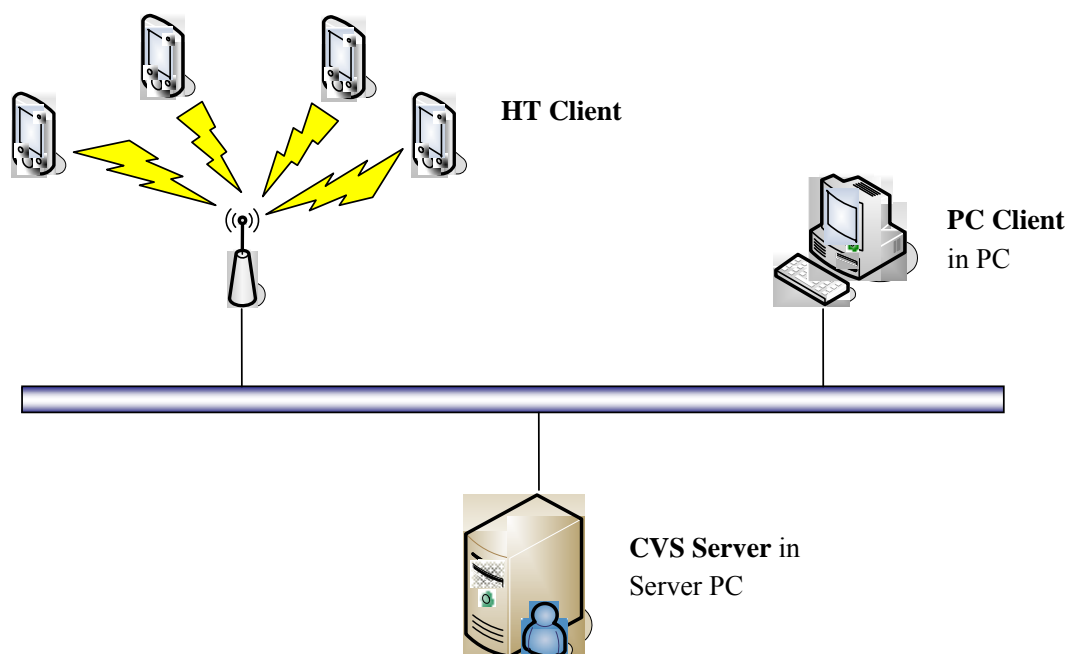





Figure 1.1

Table 1.1

Name		Supported Device and OS	Software to install
	HT Client	Device: DT-X7, DT-X8, IT-300, IT-800(CE) OS: - Windows CE 5.0 - Windows CE 6.0 - Windows Mobile 6.5 Classic	HT Client
	PC Client	Device: PC (IBM compatible) OS: - Windows 2000 Professional SP4 - Windows XP Professional - Windows Vista Business	PC Client (None)
	CVS Server	Device: PC (IBM compatible) OS: - Windows 2000 Server SP4 which supports IIS 5.0 - Windows Server 2003 Standard Edition which supports IIS 6.0	CVS Server

2. Installing Internet Information Services

Make sure that an Internet Information Services (“IIS”) (in case of Windows Server 2003) environment has been set effect in the PC by navigating to the icons below. If not, follow the explanation in Chapter 2.1 for Windows 2000 Server or in Chapter 2.2 for Windows Server 2003.

- In case of Windows 2000 Server
Navigate to **Control Panel** → **Administrative Tools** → **Internet Information Services**.
- In case of Windows Server 2003
Navigate to **Control Panel** → **Administrative Tools** → **Internet Information Services**.

2.1 Installation Procedure for Windows 2000 Server

If your PC runs in the Windows 2000 Server, follow the steps below to set the Internet Information Services effect.

1. Log in as "Administrator".
2. From the **Start** menu, navigate to **Control Panel** → **Add or Remove Programs** and choose **Add/Remove Windows Components**.
3. Double click **Application Server** and check **Internet Information Services [IIS]**. See Figure 2.1.

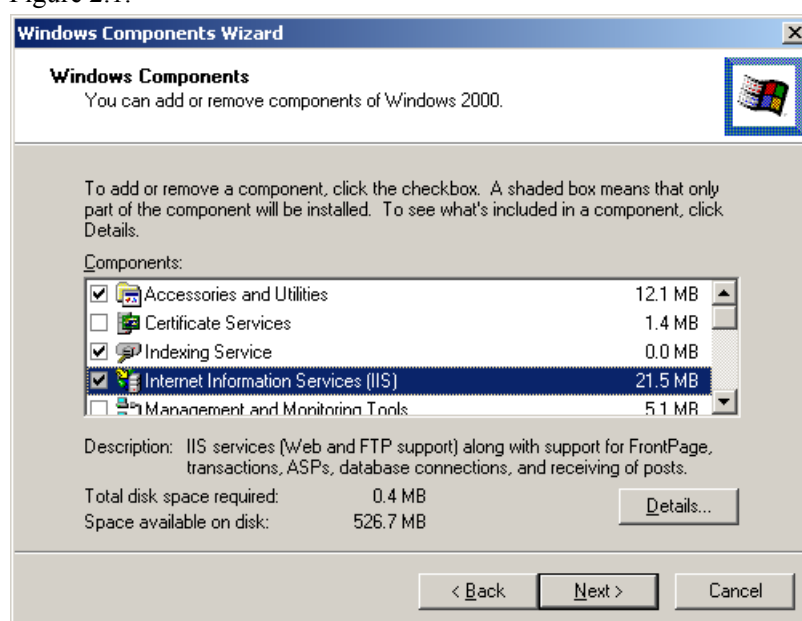


Figure 2.1

4. Insert the Microsoft Windows 2000 Server CD and click **OK** button.
5. Reboot the system once the installation is complete.

2.2 Installation Procedure for Windows Server 2003

If your PC runs in the Windows Server 2003, follow the steps below to set the Internet Information Services effect.

1. Log in as "Administrator".
2. From the **Start** menu, navigate to **Control Panel** → **Add or Remove Programs** and choose **Add/Remove Windows Components**.
3. Double click **Application Server** and set all three boxes effect. See Figure 2.2.
 - ASP.NET
 - Enable network COM+ access
 - Internet Information Services [IIS]

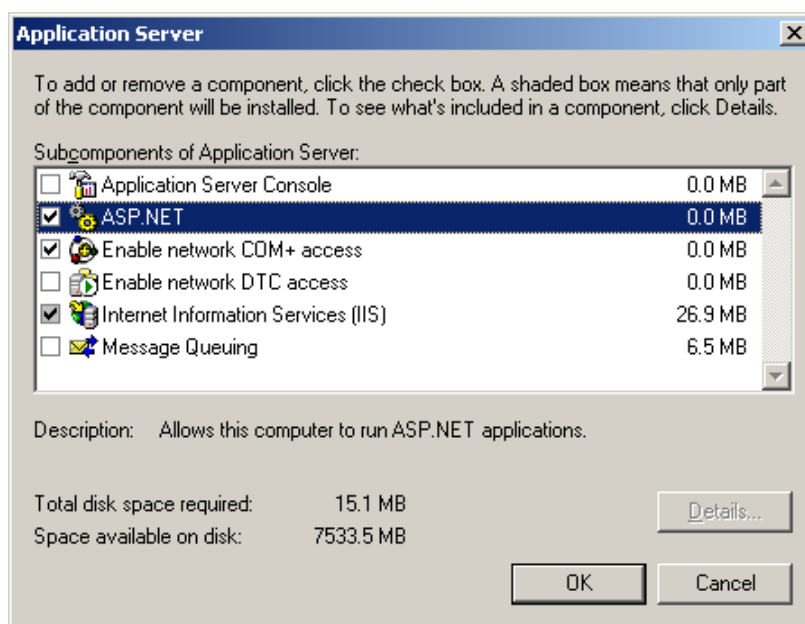


Figure 2.2

4. Insert the Microsoft Windows XP or Windows 2003 Server Enterprise Edition CD and click **OK** button.
5. Reboot the system once the installation is complete.

3. Setting Configuration for CVS Server

This chapter explains how to configure the system for the CVS Server.

3.1 Setting Web Application Publication

1. Navigate to **Control Panel** → **Administrative Tools** → **Internet Information Services [IIS] Manager** (or **Internet Service Manager** for Windows 2000 Server).
2. Right click **Default Web Site** and then navigate to **New** → **Virtual Directory** See Figure 3.1.

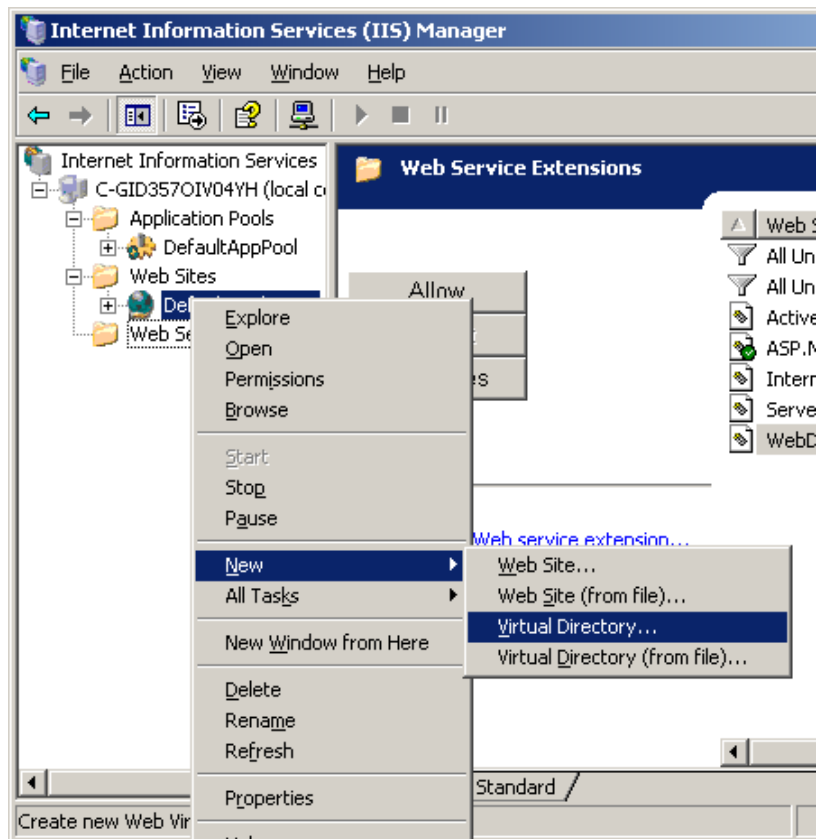


Figure 3.1

3. Follow the Wizard screen prompts to carry out the rest of the settings.



Figure 3.2

4. Click **Next >** button (see Figure 3.2) to open the Virtual Directory Creation Wizard.
5. Type in "CVSSERVER" in the Alias field.

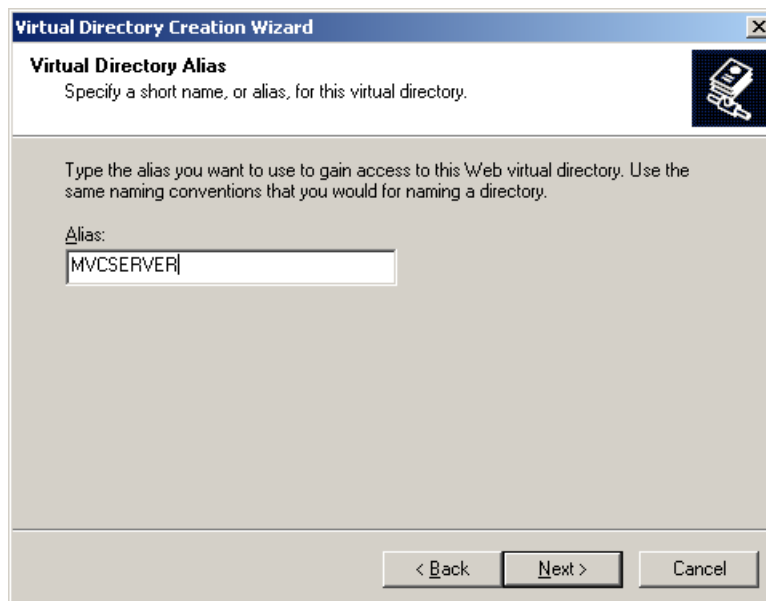


Figure 3.3

6. Click **Next >** button in Figure 3.3 so that the Web Site Content Directory screen appears. See Figure 3.4.

- Click **Browse ...** button in Figure 3.4 and then choose “C:\Program Files\CASIO\MVC\HTML” in the Path field.

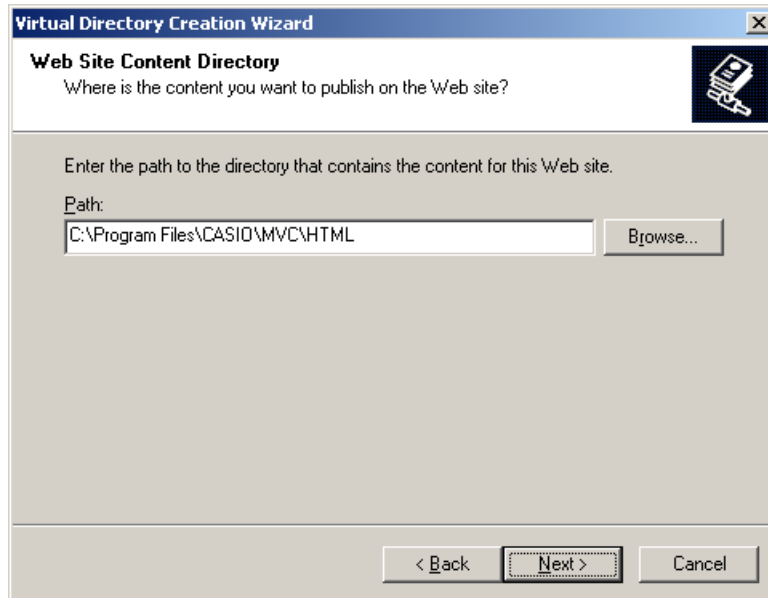


Figure 3.4

- Confirm that the path set in Figure 3.4 appears in the Directory field in Figure 3.5 and then click **Next >** button.

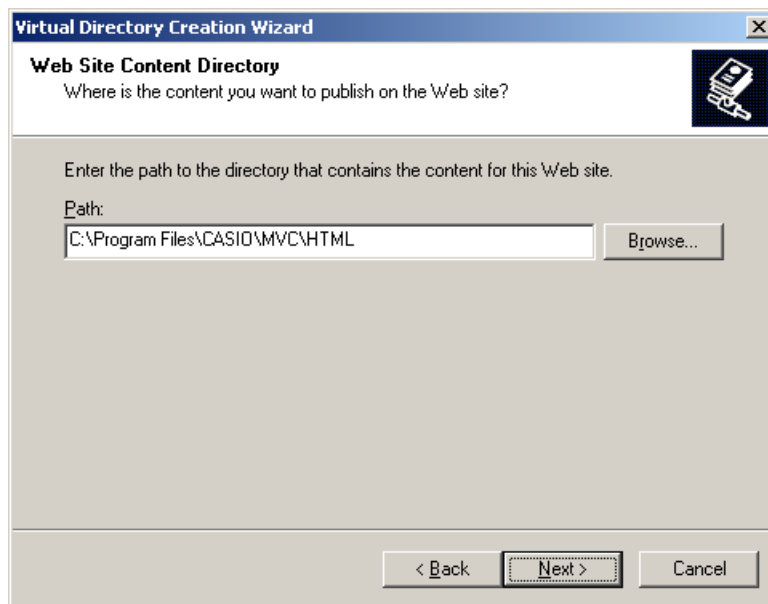


Figure 3.5

9. Set **Read** and **Run scripts [such as ASP]** effect and then click **Next >** button. See Figure 3.6.

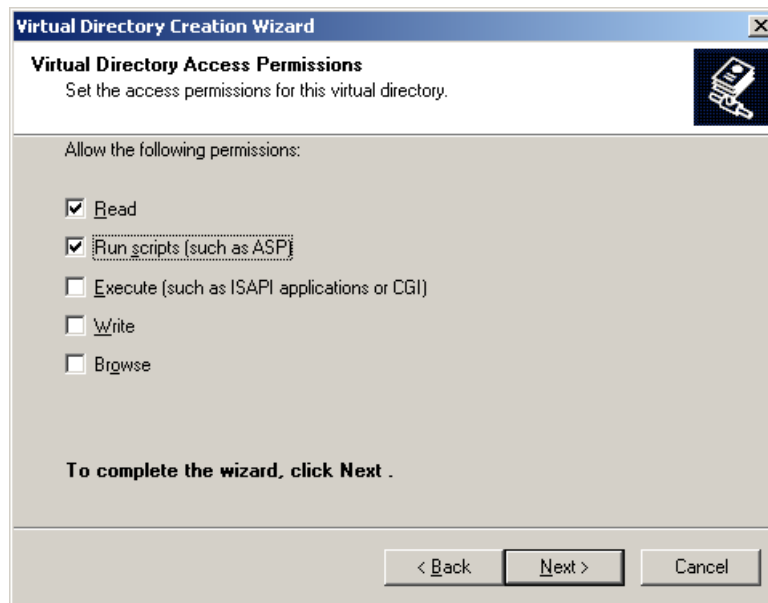


Figure 3.6

10. The screen in Figure 3.7 appears. To close the screen, click **Finish** button.



Figure 3.7

3.2 Setting the State Service to Start

1. Navigate to **Control Panel** → **Administrative Tools** → **Services (Local)** and double click **ASP.NET State Service**.

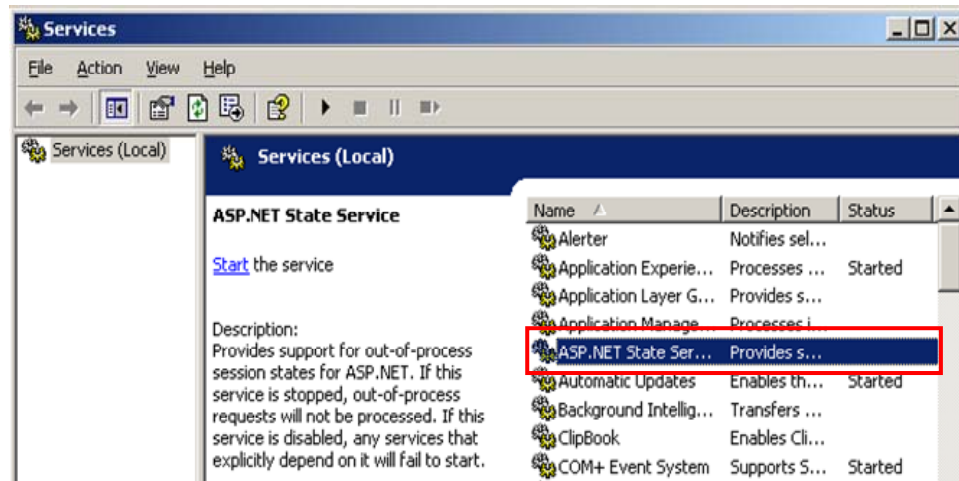


Figure 3.8

2. In **General** tab of ASP.NET State Service Properties (Local Computer), highlight **Automatic** in Startup type field, and then click **Start** button followed by **OK** button. See Figure 3.9.

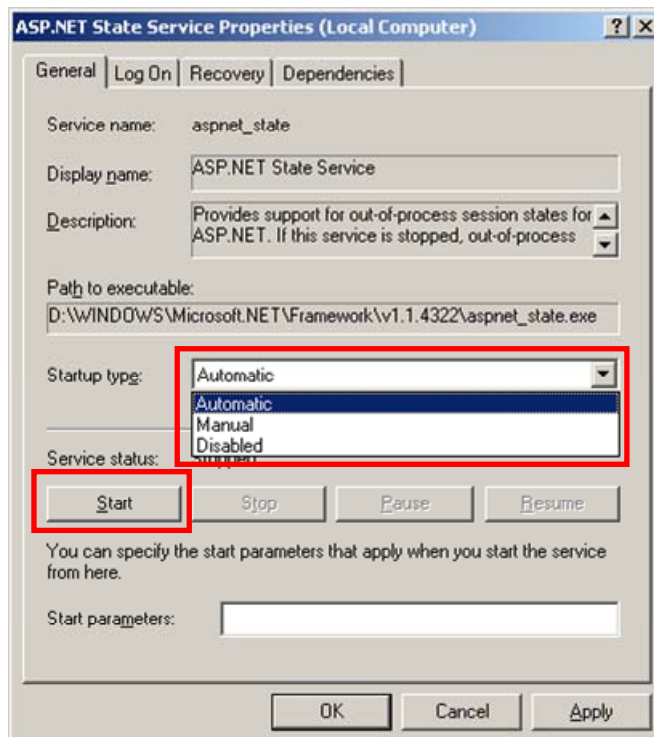


Figure 3.9

3.3 Configuring Data Folder

1. Launch Explorer and then navigate to **Tools** → **Folder Options**.
2. In **View** tab, set **Show hidden files and folders** of the Hidden files and folders icon effect and then click **OK** button.

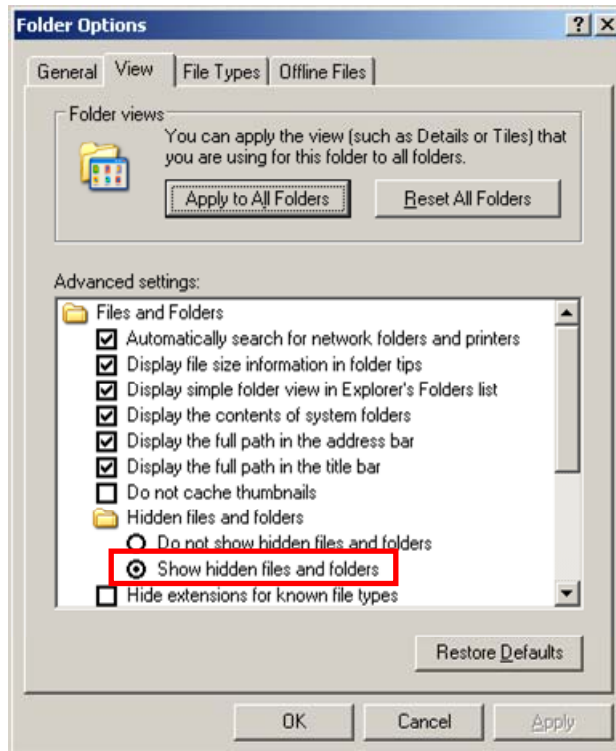


Figure 3.10

3. Now navigate to C:\Documents and Settings\All Users\Application Data and create a new folder named "CASIO".
4. In this new "CASIO" folder, create a new folder named "CVS".
5. Copy all the folders and files under path of "C:\Program Files\CASIO\MVC\SAMPLE" to under the path of this new folder.

3.4 Setting Data Folder Access Authority

1. Launch Explorer and then navigate to the “C:\Documents and Settings\All Users\Application Data\CASIO” folder.
2. Right click this folder and choose **Properties**. See Figure 3.11.
3. The **CASIO Properties** screen appears. See Figure 3.12.

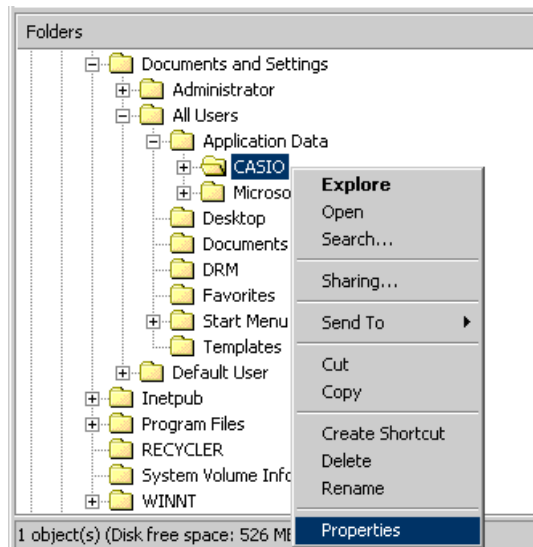


Figure 3.11

4. In the **CASIO Properties** screen, click **Security** tab and then **Add ...** button.

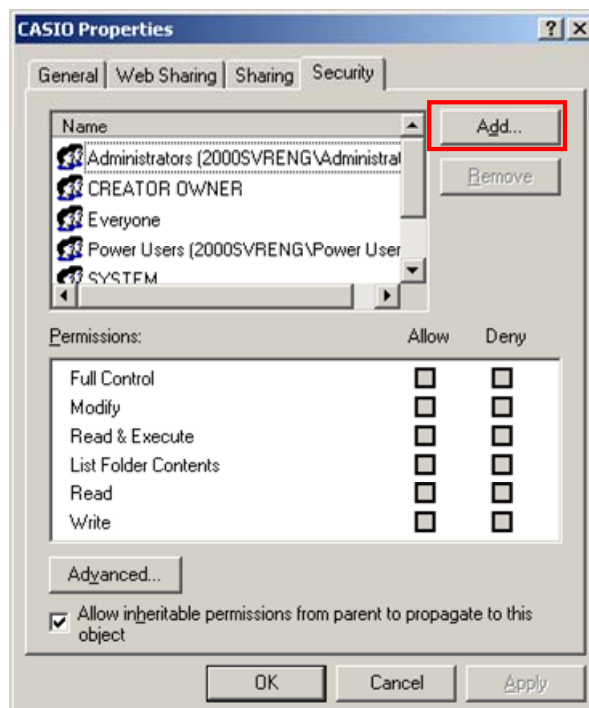


Figure 3.12

5. Highlight **ASPNET** (see Figure 3.13) and then click **Add** button.

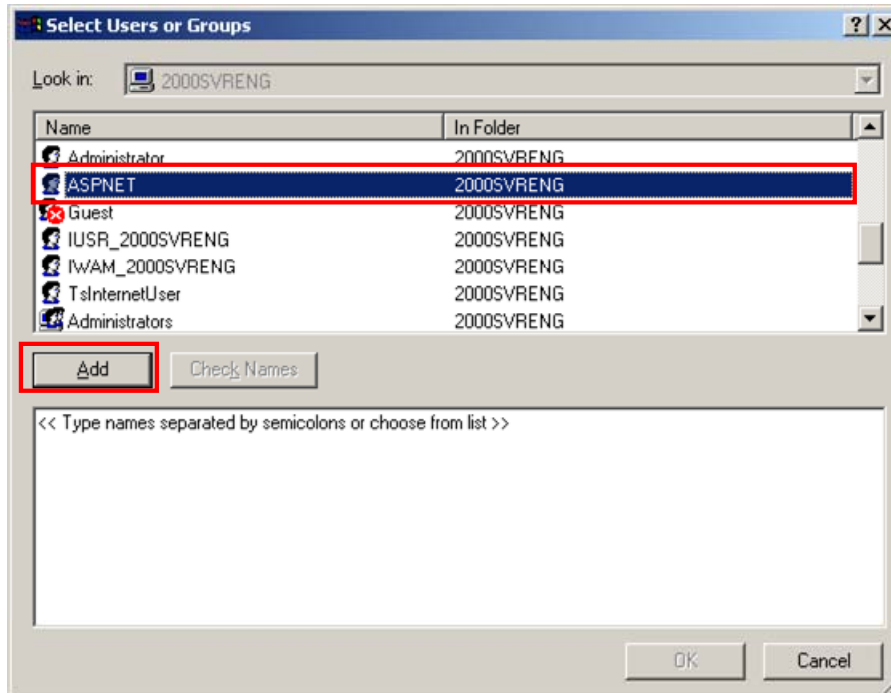


Figure 3.13

6. Confirm that “ASPNET” has been added, and then click **OK** button.

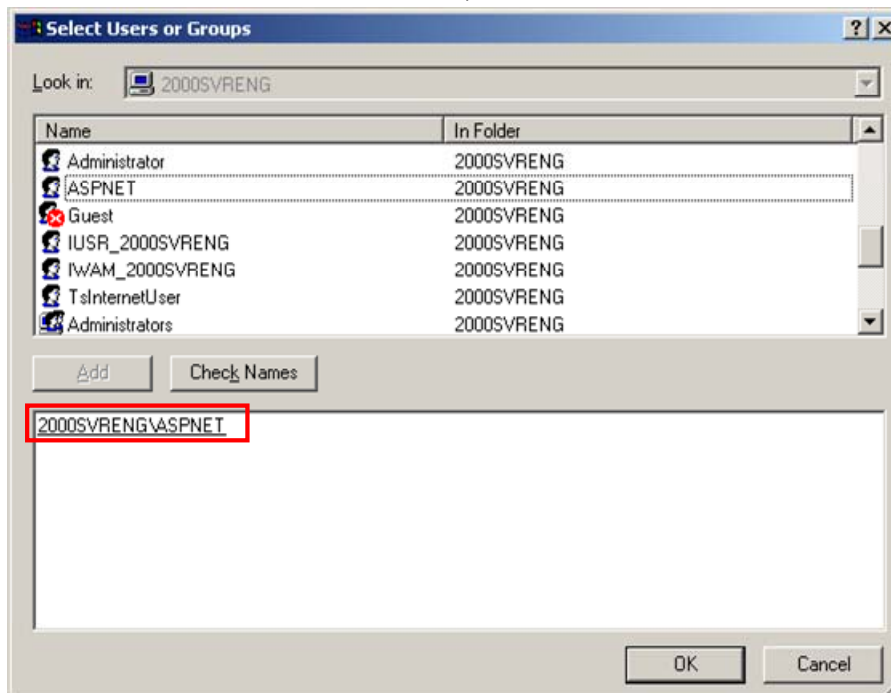


Figure 3.14

7. In **Security** tab, highlight **ASP.NET Machine Account** [machine number] in the Name field. Set **Full Control** in the Permissions field to **Allow** and then click **OK** button.

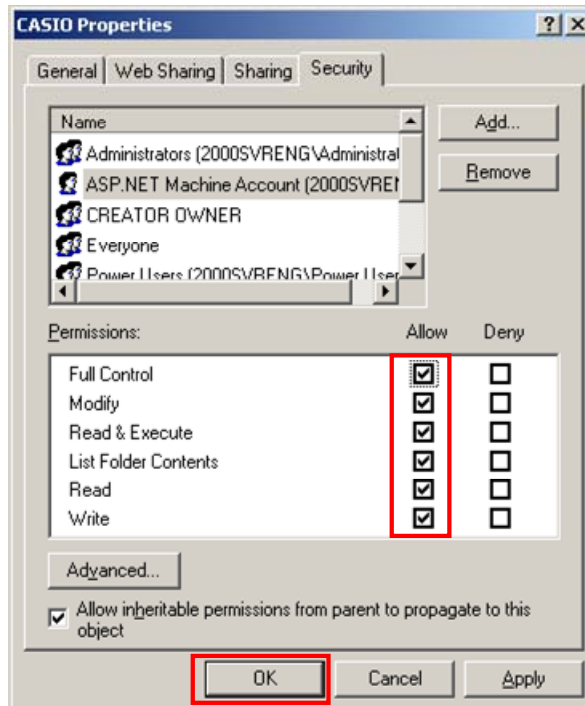


Figure 3.15

8. Repeat the step no. 7 for each of the following folders and files to permit full control access by **ASP.NET Machine Account** [machine number].

- Folders
 - [DATAROOT]\CVS
 - [DATAROOT]\CVS\DATA
 - [DATAROOT]\CVS\DATA\VOICE
 - [DATAROOT]\CVS\USERS
- Files
 - [DATAROOT]\CVS\CVSConfig.xml
 - [DATAROOT]\CVS\DATA\CVSAddressBook.xml
 - [DATAROOT]\CVS\DATA\CVSGroup.xml
 - [DATAROOT]\CVS\DATA\CVSGroupUser.xml

[DATAROOT] = C:\Documents and Settings\All Users\Application Data\CASIO

3.5 Setting the CVS Client Functions

This chapter explains how to set up the CVS Client functions. Follow the procedure below.

1. Launch Internet Explorer and open a web page with the following URL.

`http://(CVS Server Name)/CVSServer/CVSServerConfig/Default.aspx`

2. Enter the following account details in the login screen.

Login name : CVSADMIN
Password : CASIO

The above login name and password are defined in the following file. The Internet Information Services [IIS] must be rebooted to change these account details.

[Document and Setting]\All Users\Application Data\Casio\CVS\CVSAdminUser.xml

3. When the login is complete, the screen appears. See Table 3.1 for the roles of each basic function nos. 1 to 18 in Figure 3.16.

Basic Properties

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	Function	Setting	Contents
①	Common history number	500	Specify the number to save history of batch voice sending. Please specify the number (10 - 1000) in ASCII code.
②	Private history number	30	Specify the number to save history of individual sending / receiving. Please specify the number (10 - 50) in ASCII code.
③	Max. recording time	15	Specify the time (unit : second) to record voice. Please specify the time (5 - 30) in ASCII code.
④	Span to report existence	0	Report existence of terminal to CVS server in specified span (unit : second). Please specify the span (0 - 3600) in ASCII code. In the case to specify "0", existence is not reported to server.
⑤	Message	<input checked="" type="checkbox"/> Enable	Enable to send instant message.
⑥	Manner mode	<input checked="" type="checkbox"/> Enable	Enable to set manner mode.
⑦	Reject call	<input checked="" type="checkbox"/> Enable	Enable to reject call.
⑧	Setting	<input type="checkbox"/> Enable	Enable setting button. (not working now)
⑨	Logoff	<input checked="" type="checkbox"/> Enable	Enable to logoff.
⑩	DTMF	<input checked="" type="checkbox"/> Enable	Enable DTMF function.
⑪	Dial communication	<input checked="" type="checkbox"/> Enable	Enable dial communication.
⑫	Presence	<input type="checkbox"/> Enable	Enable presence function. (not working now)
⑬	Auto call receiving	<input type="checkbox"/> Enable	Enable to connect automatically on receiving call.
⑭	Auto voice playing	<input type="checkbox"/> Enable	Enable to play voice automatically on receiving voice.
⑮	Auto voice closing	<input type="checkbox"/> Enable	Enable to close dialog box of user's operation on closing to play voice automatically.
⑯	Confirm logoff	<input checked="" type="checkbox"/> Enable	Enable to show dialog to confirm logoff.
⑰	Confirm exit	<input checked="" type="checkbox"/> Enable	Enable to show dialog box to confirm exit.
⑱	Window link	<input type="checkbox"/> Enable	Enable to hide main window when dialog box of user's operation on sending / receiving is shown.

Figure 3.16

Basic Functions

Table 3.1

Parameter	Description
(1) Public history entries	<ul style="list-style-type: none"> - Designates the history retained number in the range of 10 to 1000 for sent out messages in the batch mode. - Any change to this parameter if made is reflected immediately after the setting. - If a number outside of the range is specified, the "Error: public history entries value is incorrect" error message appears in the error display area.
(2) Private history entries	<ul style="list-style-type: none"> - Designates the history retained number in the range of 10 to 50 for sent out/received messages by private. - Any change to this parameter if made is reflected immediately after the setting. - If a number outside of the range is specified, the "Error: private history entries value is incorrect" message appears in the error display area.
(3) Maximum recording time	<ul style="list-style-type: none"> - Designates a period of the recording time in the range of 5 to 30 seconds for voice message. - If a number outside of the range is specified, the "Error: maximum recording time value is incorrect" message appears in the error display area.
(4) Keep-alive statement time	<ul style="list-style-type: none"> - Designates a period of interval time in the range of 0 to 3600 seconds for sending keep-alive statement to the CVS server. No statement is sent if 0 is set for the parameter. - Any change to this parameter if made is reflected at subsequent login on the CVS Client. - If a number outside of the range is specified, the "Error: keep-alive statement time value is incorrect" message appears in the error display area.
(5) Text messaging	<ul style="list-style-type: none"> - Enables the text send out function. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(6) Silent mode	<ul style="list-style-type: none"> - Enables the silent mode function. If this function is set disabled, the CVS Client hides the silent mode button in the standby screen. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(7) Call screening	<ul style="list-style-type: none"> - Enables the call screening function. If this function is set disabled, the CVS Client hides the call screening button in the standby screen. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(8) Settings	<ul style="list-style-type: none"> - Enables the settings button. - This function is not supported by the current version.
(9) Log off	<ul style="list-style-type: none"> - Enables the log off function. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(10) DTMF	<ul style="list-style-type: none"> - Enables the DTMF function. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(11) Dialed calls	<ul style="list-style-type: none"> - Enables the dialed call function. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(12) Presence	<ul style="list-style-type: none"> - Enables the presence function. - This function is not supported by the current version.
(13) Auto call receive	<ul style="list-style-type: none"> - Picks up incoming calls automatically. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.

Continue.

(14) Voice message auto playback	<ul style="list-style-type: none"> - Plays back received voice message automatically. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(15) Voice message auto close	<ul style="list-style-type: none"> - Closes the user operation dialog box automatically after the voice message is played back. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(16) Confirm log off	<ul style="list-style-type: none"> - Displays the log off confirmation dialog at a time of log off. - Any change to this parameter if made is reflected at subsequent login on the CVS Client.
(17) Confirm close	<ul style="list-style-type: none"> - Displays the close confirmation dialog box when an application is terminated.
(18) Link work	<ul style="list-style-type: none"> - Hides the main window when the user operation dialog box is displayed upon sending/receiving etc. - Any change to this parameter if made is reflected at subsequent login on the CVS.
(19) Error display area	<ul style="list-style-type: none"> - An error message in red appears when a value outside of the range is specified.

4. Set the CVS Client functions and click **Set** button at the very bottom of the page.

4. CVS Server Configuration Files

4.1 Phone Address Book ("Contacts")

This feature collectively manages all information on the CVS System users.

4.1.1 File Path

Public address book:

\CVS\DATA\CVSAddressBook.xml

Private address book:

\CVS\USERS\[USERID]\CVSPriateAddressBook.xml

4.1.2 Format

The public and private address books are configured in the same format which is described below.

```
<?xml version="1.0" encoding = "UTF-8" standalone="yes"?>
<NewDataSet>
  <USERDATA>
    <USERID>[USER ID]</USERID>
    <USERNAME>[USER NAME]</USERNAME>
    <NAMEREAD>[PHONETIC READING]</NAMEREAD>
    <PASSWD>[PASSWORD]</PASSWD>
    <SIPUSERID>[SIPID]</SIPUSERID>
    <SIPPASSWD>[SIP PASSWORD]</SIPPASSWD>
    <SIPURI>[SIP ADDRESS]</SIPURI>
    <PRESENCE>[PRESENCE FLAG]</PRESENCE>
    <PRESENCE>[ADDITIONAL INFO]</REMARKS>
    <ACTIVITY>[VALIDITY]</ACTIVITY>
  </USERDATA>
</NewDataSet>
```

Configuration of the Public/Private Address Books

Table 4.1

Parameter	Description	Setting range
[USER ID]	- ID which is unique for each user.	32 characters or less
[USER NAME]	- User name displayed in the address book.	64 characters or less
[PHONETIC READING]	- Phonetic reading of the user name. - Sorting is performed based on this information.	64 characters or less
[PASSWORD]	- Password which corresponds to the user ID. - The user authentication web service determines the validity using submitted user ID and this password.	32 characters or less
[SIPID]	- Unique ID attributed to each user which is used for SIP server registration.	64 characters or less
[SIP PASSWORD]	- Password corresponding to the SIP ID.	64 characters or less
[SIP ADDRESS]	- User's SIP address which is defined with SIP scheme. Example: SIP:129.1.52.46,SIP: member1@casio.co.jp etc.	64 characters or less
[PRESENCE FLAG]	- User's presence status	Undefined
[ADDITIONAL]	- Additional information on the user	Undefined
[VALIDITY]	- Validity of the above-mentioned information.	0: Invalid 1: Valid

Example of Public/Private Address Books Configuration

```
<?xml version="1.0" encoding = "UTF-8" standalone="yes"?>

<NewDataSet>
  <USERDATA>
    <USERID>00001</USERID>
    <USERNAME>MEMBER 1</USERNAME>
    <NAMEREAD>MEMBER 1</NAMEREAD>
    <PASSWD>no00001</PASSWD>
    <SIPUSERID>00001</SIPUSERID>
    <SIPPASSWD>no00001</SIPPASSWD>
    <SIPURI>sip:129.1.52.46</SIPURI>
    <PRESENCE>0</PRESENCE>
    <REMARKS />
    <ACTIVITY>1</ACTIVITY>
  </USERDATA>
  <USERDATA>
    <USERID>00002</USERID>
    <USERNAME>MEMBER 2 </USERNAME>
    <NAMEREAD>MEMBER 2</NAMEREAD>
    <PASSWD>no00002</PASSWD>
    <SIPUSERID>00002</SIPUSERID>
    <SIPPASSWD>no00002</SIPPASSWD>
    <SIPURI>sip:129.1.51.121</SIPURI>
    <PRESENCE>0</PRESENCE>
    <REMARKS />
    <ACTIVITY>1</ACTIVITY>
  </USERDATA>
  <USERDATA>
    <USERID>00003</USERID>
    <USERNAME>MEMBER 3</USERNAME>
    <NAMEREAD>MEMBER 3</NAMEREAD>
    <PASSWD>no00003</PASSWD>
    <SIPUSERID>00003</SIPUSERID>
    <SIPPASSWD>no00003</SIPPASSWD>
    <SIPURI>sip:member3@casio.co.jp</SIPURI>
    <PRESENCE>0</PRESENCE>
    <REMARKS />
    <ACTIVITY>1</ACTIVITY>
  </USERDATA>
</NewDataSet>
```

4.2 Group Configuration

This configuration collectively manages all the groups.

4.2.1 File Path

\\CVS\\DATA\\CVSGroup.xml

4.2.2 Format

The following shows the group configuration file format.

```
<?xml version="1.0" encoding = "UTF-8" standalone="yes"?>
<NewDataSet>
  <GROUPDATA>
    <GROUPID>[GROUP ID]</GROUPID>
    <GROUPNAME>[GROUP NAME]</GROUPNAME>
  </GROUPDATA>
</NewDataSet>
```

Table 4.2 describes the group configuration parameters.

Table 4.2

Parameter	Description	Setting range
[GROUP ID]	ID which is unique for each group.	32 characters or less
[GROUP NAME]	Group name displayed in the address book.	64 characters or less

Example of Group Configuration

```
<?xml version="1.0" encoding = "UTF-8" standalone="yes"?>
<NewDataSet>
  <GROUPDATA>
    <GROUPID>000001</GROUPID>
    <GROUPNAME>GROUP 1</GROUPNAME>
  </GROUPDATA>
  <GROUPDATA>
    <GROUPID>000002</GROUPID>
    <GROUPNAME>GROUP 2</GROUPNAME>
  </GROUPDATA>
  <GROUPDATA>
    <GROUPID>000003</GROUPID>
    <GROUPNAME>GROUP 3</GROUPNAME>
  </GROUPDATA>
  <GROUPDATA>
    <GROUPID>000004</GROUPID>
    <GROUPNAME>GROUP 4</GROUPNAME>
  </GROUPDATA>
</NewDataSet>
```

4.3 Group Member Configuration

This configuration collectively manages the list of all users who belong to the group.

4.3.1 File Path

\\CVS\\DATA\\CVSGroupUser.xml

4.3.2 Format

The following shows the format of the group member configuration file.

```
<?xml version="1.0" encoding = "UTF-8" standalone="yes"?>
<NewDataSet>
  <GROUPUSERDATA>
    <GROUPID>[GROUP ID]</GROUPID>
    <USERID>[USER ID]</USERID>
    <ACTIVITY>[VALIDITY]</ACTIVITY>
  </GROUPUSERDATA>
</NewDataSet>
```

Table 4.3 describes the group member configuration parameters.

Table 4.3

Parameter	Description	Setting range
[GROUP ID]	ID which is unique for each group.	32 characters or less
[USER ID]	ID which is unique for each user.	32 characters or less
[VALIDITY]	Validity of the above-mentioned information.	0: Invalid 1: Valid

Example of Group Member Configuration

```
<?xml version="1.0" encoding = "UTF-8" standalone="yes"?>
<NewDataSet>
  <GROUPUSERDATA>
    <GROUPID>000001</GROUPID>
    <USERID>no00001</USERID>
    <ACTIVITY>1</ACTIVITY>
  </GROUPUSERDATA>
  <GROUPUSERDATA>
    <GROUPID>000001</GROUPID>
    <USERID>no00002</USERID>
    <ACTIVITY>1</ACTIVITY>
  </GROUPUSERDATA>
  <GROUPUSERDATA>
    <GROUPID>000001</GROUPID>
    <USERID>no00003</USERID>
    <ACTIVITY>1</ACTIVITY>
  </GROUPUSERDATA>
</NewDataSet>
```

4.4 Setting CVS Server Operations

This chapter describes how to set up the data and functions managed by the CVS Server.

4.4.1 File Path

\CVS\CVSConfig.xml

4.4.2 Format

The following shows the format the configuration file.

```
<?xml version="1.0" encoding = "UTF-8" standalone="yes"?>
<NewDataSet>
  <MVCCONFIG>
    <PRIVATEHISTORYNUM>[NO. OF PRIVATE HISTORY
ENTRIES]</PRIVATEHISTORYNUM>
    <PUBLICHISTORYNUM>[NO. OF PUBLIC HISTORY
ENTRIES]</PUBLICHISTORYNUM>
    <PRIVATEADDRESSBOOK>[PERMIT PRIVATE ADDRESS BOOK
USE]</PRIVATEADDRESSBOOK>
  </MVCCONFIG>
</NewDataSet>
```

Table 4.4 describes the parameters of the CVS Server operation configuration file.

Table 4.4

Parameter	Description	Setting range
[NO. OF PRIVATE HISTORY ENTRIES]	Maximum number of private entries in the sent/received history folder ("Recent" tab in the GUI)	10 to 50
[NO. OF PUBLIC HISTORY ENTRIES]	Maximum number of entries saved in the public voice message history folder	10 to 1000
[PERMIT PRIVATE ADDRESS BOOK USE]	Determines the use of the private address book.	0: Do not use 1: Use

Example of the CVS Server Operation Configuration File

```
<?xml version="1.0" encoding = "UTF-8" standalone="yes"?>
<NewDataSet>
  <MVCCONFIG>
    <PRIVATEHISTORYNUM>30</PRIVATEHISTORYNUM>
    <PUBLICHISTORYNUM>1000</PUBLICHISTORYNUM>
    <PRIVATEADDRESSBOOK>0</PRIVATEADDRESSBOOK>
  </MVCCONFIG>
</NewDataSet>
```

5. Setting CVS Client

This chapter describes the setting required on the CVS Client to access the CVS Server.

In the folder where the CVS Client is installed, the **CVSClient.ini** configuration file resides. In this configuration file, remove the line header comment specified in the below file.

```
[MVCSERVICE]
server=[CVS Server name or IP address]
Regist=/MVCSERVER/MVCUserRegistService/UserRegistService.asmx
    ← Remove the line header comment.
History=/MVCSERVER/MVCHistoryRecordService/HistoryRecordService.asmx
x ← "
Text=/MVCSERVER/MVCIMVoiceService/IMVoiceService.asmx ← "
Voice=/MVCSERVER/MVCIMVoiceService/IMVoiceService.asmx ← "
```

6. Changing Font Size

This chapter describes how to change the character font size used in the lists of the address books and sent/received history.

File

C:\Program Files\CASIO\MVC\HTML\CSS\mvcCommon.css

Configuration file

The character font size used in the lists can be changed by freely modifying the “8pt” in the configuration file below to any size.

```
SELECT
{
  font-size: 8pt;
}
```

Note:

Be sure not to change any other settings. Doing so may cause problems with the screen configuration data and prevent the displayed information from functioning properly.