

# **CASIO VoIP Software User's Manual**

**(Version 1.02)**

**CASIO Computer Co., Ltd.**

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## Preface

This manual provides instructions on how to operate the **CASIO VoIP Software** (“CVS”) on the HT Client and the PC Client.

The CVS software uses voice telephony to provide users with a variety of functions using CASIO handheld terminals.

The operating instructions explained in this manual are applicable to both HT Client terminal and PC Client unless otherwise noted. The word of “CVS Client” used in this manual refers to both HT Client terminal and PC Client (PC).

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

<i>Software</i>	<i>Device/Terminal</i>
HT Client	HT Client terminal
CVS Server	CVS Server PC
PC Client	PC Client (PC)

# 1. Overview

## 1.1 Operating Environment

The **CASIO VoIP Software** (“CVS”) uses a Voice over IP (VoIP) signaling control protocol known as the Session Initiation Protocol (SIP) to display the other party's status in real time and enable reciprocal transmission and sharing information with voice (VoIP) or text.

The following is required to run the **CASIO VoIP Software** (“CVS”).

- Operating System  
HT Client terminal : Windows CE 5.0, Windows CE 6.0, Windows Mobile 6.5 Classic  
PC Client terminal : Windows 2000 Professional SP4, Windows XP Professional,  
Windows Vista Business
- Signaling Control Protocol  
SIP (IETF RFC 3261 compatible, UDP/IP transmission)
- Voice Codec  
G.711  $\mu$ -Law; A-Law
- Terminal  
HT Client terminal : DT-X7, DT-X8, IT-300, IT-800(CE)  
PC Client terminal : PC (IBM compatible)

## 1.2 Positioning of the Basic Configuration

The diagram below shows the positioning of the Basic Configuration in the CVS system.

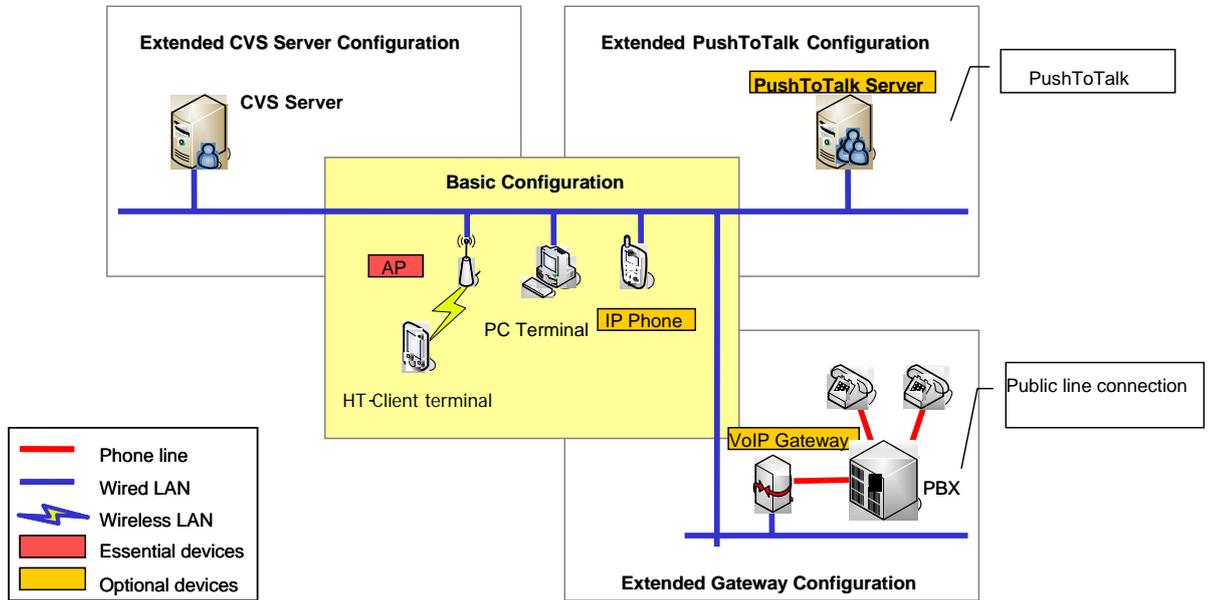


Figure 1.1 CVS System Total Configuration

Table 1.1 Configurations and features/services for the CVS System

Configuration	Features and services provided by each configuration
Basic Configuration	<p>This is a configuration employed in environment where one HT Client terminal is deployed for each one of the users. The configuration enables the terminals to establish communication in P2P mode (Peer-to-Peer) and the following basic features possible.</p> <ul style="list-style-type: none"> <li>- Telephonic communication (calls)</li> <li>- Manage send/receive history</li> <li>- Reject call</li> <li>- Put call on hold</li> <li>- Forward call</li> <li>- Signal DTMF</li> <li>- Message with text</li> </ul>
Extended CVS Server Configuration	<p>This is an extended configuration used in environment where no direct association is made between the user and the HT Client terminal and where the HT Client terminal is operated by the unspecified number of users. The configuration can provide the following features.</p> <ul style="list-style-type: none"> <li>- User authentication</li> <li>- Phone address book ("Contact") management</li> <li>- Send/Receive history ("Recent") management</li> <li>- Voice delivery</li> <li>- Application coordination</li> </ul>
Extended Gateway Configuration	<p>This is an extended configuration which connects the CVS System to a public phone line and uses the outgoing and incoming signals to/from an outside line.</p>
Extended PushToTalk Configuration	<p>This is an extended configuration which provides the PushToTalk function.</p>

## 1.3 Features

The table below shows the available features on the CVS Client (see note 2) in each configuration. See also Figure 1.1 and Table 1.1.

Table 1.2 Features by configuration

Feature		Basic Configuration	Extended CVS Server Configuration	Extended Gateway Configuration	Extended PushToTalk Configuration
Phone calls	Between HTs	Yes	--	--	--
	IP phone	--	--	--	--
	Public line	--	--	Yes	--
Operation	Send call	Yes	--	--	--
	Receive call	Yes	--	--	--
	Reject call	Yes	--	--	--
	Put call on hold	Yes	--	--	--
	Forward call	Yes	--	--	--
	Signal DTMF	Yes	--	--	--
Customer browser coordination		Yes	--	--	--
User authentication		--	Yes	--	--
User registration		Yes	--	--	--
Text message		Yes	Yes (note)	--	--
Send/Receive history		Yes	Yes (note)	--	--
Phone address book (Contact) management		Yes	Yes (note)	--	--
Voice delivery		--	Yes	--	--
Presence		--	--	--	--
Application coordination		--	Yes	--	--
IP phone link		--	--	--	--
PushToTalk		--	--	--	Yes

Note:

In comparison with the operability provided in the Basic Configuration, the feature is expanded and the user interface (“UI”) is accordingly modified.

## 2. Features by Configuration

This chapter explains the features and screens of the CVS Client provided in each configuration of the Basic Configuration and the Extended CVS Server Configuration.

### 2.1 Main Screen

The main screen ("standby screen") appears in ordinary operations on the CVS Client. See Table 2.1 for the description of the buttons and the status appeared in each frame. Figure 2.1 shows the standby screen of the HT Client terminal.

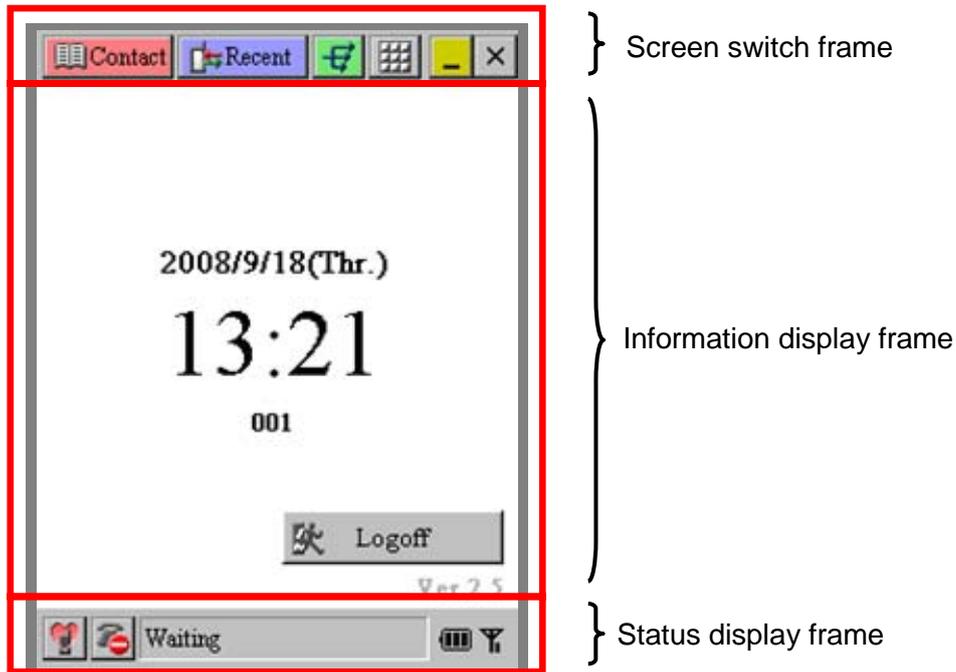


Figure 2.1 Standby Screen

Table 2.1 Frames in the standby screen

Frame	Description
Screen switch frame	From left to right, this frame contains <b>Contact</b> (Phone Address Book), <b>Recent</b> (History), <b>Send to All</b> (see note 1), <b>Dial</b> , <b>Minimize</b> (see note 2) and <b>End</b> (see note 2) buttons. Clicking any button changes the information display frame to the corresponding screen. Clicking the same button twice resumes the standby screen.
Information display frame	The screen selected in the screen switch frame, i.e. the User Authentication, Standby (top screenshot), Contact, Recent, Send to All (see note 1) or Dial screen appears.
Status display frame	From left to right, this frame contains <b>Silent Mode</b> and <b>Reject Call</b> icons and the status display for battery (see note 2) and signal strength (see note 2).

Notes:

1. The button appears only with the Extended CVS Server Configuration.
2. The icons or the status appears only on the HT Client terminal , not on the PC Client.

## 2.1.1 Components of Screen Switch Frame

The screen switch frame consists of the following components. See Table 2.2 for the description of each component.

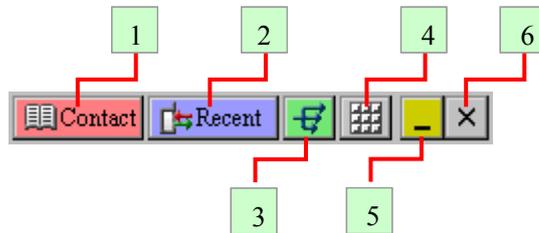


Figure 2.2 Components of Screen Switch Frame

Table 2.2 Screen switch frame

No.	Component	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Contact button	F1 key	The button displays the Contact (Phone Address Book) screen.	Y	Y
2	Recent button	F2 key	The button displays the Recent (send/receive history) screen.	Y	Y
3	Send to All button	F3 key	The button displays the Send to All (send to all contacts) screen.	-	Y
4	Dial button	Numerical keys and period (.) key	The button displays the Dial screen.	Y	Y
5	Minimize button	F4 key	The button minimizes the screen.	Y	Y
6	X button	Fn and CLR keys	The button terminates the CVS Client. This can also be also performed with ALT and F4 keys on the PC Client.	Y	Y

Y: the feature is available (display).

Notes:

- The shortcut keys are operable only on the HT Client terminal .
- The shortcut keys are operable only when the CVS Client is in active condition.

## 2.1.2 Components of Status Display Frame

The status display frame consists of the following components. Figure 2.3 shows the status display frame of the HT Client terminal.

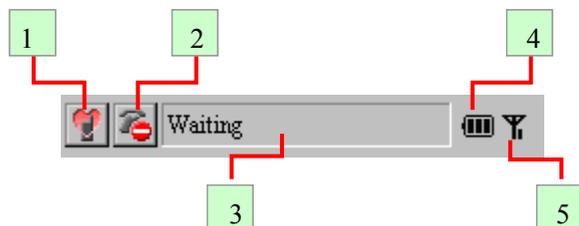


Figure 2.3 Status display frame

Table 2.3 Components of the Status display frame

No.	Component	Shortcut keys	Description	On HT Client	On PC Client
1	Silent Mode	Space key (see note)	Raised icon: releases the silent mode. Indented icon: enables the silent mode.	Y	Y
2	Reject call	Space key (see note)	Raised icon: releases rejecting. Indented icon: enables rejecting.	Y	Y
3	Status display	--	Displays the current status.	Y	Y
4	Battery level	--	Remaining battery power capacity is displayed in four levels.  Power is provided via AC Adaptor.  Remaining battery is critical.  Remaining battery is low.  Remaining battery is sufficient.	Y	--
5	Signal strength	--	Radio signal strength is displayed in five levels.  Cannot obtain IP address  Signal strength at 0 to 25%  Signal strength at 25 to 50%  Signal strength at 50 to 75%  Signal strength at 75% or greater	Y	--

Y: the function is available (display).

Note:

The Silent mode and the Reject call can be set effect or disabled using the space key. Table 2.4 shows transitional status of the modes by pressing the space key.

Table 2.4 Transitional status of the Silent mode and Reject call

Pressing the space key	Silent mode	Reject call
1 <sup>st</sup> time	Enabled	Disabled
2 <sup>nd</sup> time	Disabled	Enabled
3 <sup>rd</sup> time	Enabled	Enabled

## 2.2 User Authentication and Registration

Each one of unregistered users must register himself (or herself) with his (or her) name and password prior to using the CVS Client so that the CVS Client can recognize him (or her) as authenticated user. The CVS Client displays the standby screen with the user's detail based on this authentication.

- **Authentication Process in the Basic Configuration**

The user registers himself (or herself) with his (or her) user name by entering it in the "user authentication screen".

- **Authentication Process in the Extended CVS Server**

The user name and password entered in the user authentication screen is validated in the user authentication web service provided by the CVS Server to retrieve the user's data and settings. For detailed information retrieved in this authentication, refer to Chapter 3.2 "Setting CVS Client Function".

## 2.2.1 User Authentication Screen

The screen displayed during the user authentication is shown below. See Table 2.5 for the description of each field in the screen. Figure 2.4 shows the user authentication screen of the HT Client terminal.

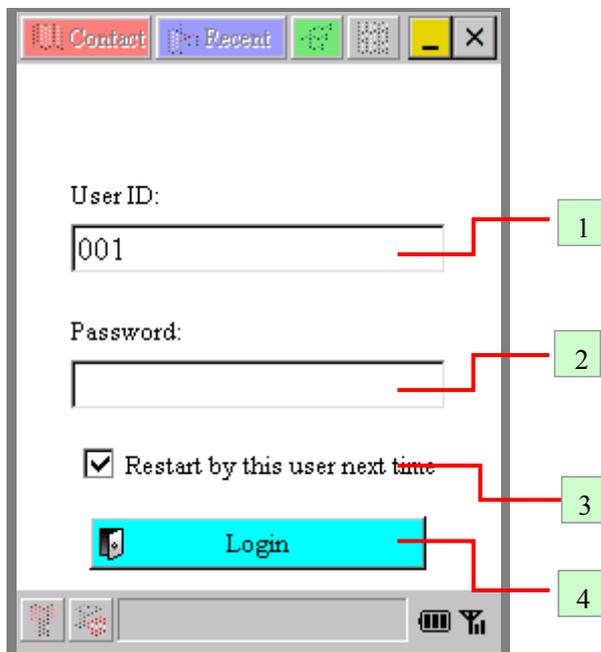


Figure 2.4 User authentication screen

Table 2.5 User authentication screen

No.	Field	Shortcut keys	Description
1	User ID	--	- Enter the user name.
2	Password	--	- Enter the password corresponding to the user name. All entered characters are concealed with • or * symbol.
3	Auto login setting	--	- Check this box if you wish the CVS Client to initiate the standby screen automatically with the user set in the User ID field. - Pressing the space key toggles the check box.
4	Login button	Enter key Center Trigger key	- Initiates authentication with the user name and password set in USER ID and Password fields. (see note)

Note:

1. In the Basic Configuration, the user name is registered and then the screen changes to the standby screen without performing the authentication.
2. If DT-X8 and IT-800 is connected with PC via ActiveSync, it's impossible to authenticate. In this case, remove HT Client terminal from cradle and try to authenticate again.

## 2.2.2 Screen Definition File Paths

The following files serve as a reference for creating the user authentication screen and defining the performances. The user authentication screen can be customized by editing these files.

- **Standby screen**  
/Program Files/Mobile Voice Communicator/HTML/logon.htm
- **JavaScript**  
/Program Files/Mobile Voice Communicator/HTML/Script/mvcLogon.js  
/Program Files/Mobile Voice Communicator/HTML/Script/mvcCommonAction.js
- **Cascading Style Sheets (CSS)**  
/Program Files/Mobile Voice Communicator/HTML/CSS/mvcLogo.css  
/Program Files/Mobile Voice Communicator/HTML/CSS/mvcLogon.css  
/Program Files/Mobile Voice Communicator/HTML/CSS/mvcCommon.css

Notes:

1. To files for Windows Mobile, “.wm” is added before the file suffix of file name.  
(ex. logon.htm -> logon.wm.htm)

## 2.3 Standby Call

In this mode, the HT Client terminal is constantly ready to receive incoming calls. Incoming calls can still be received even if the screen is minimized. See Table 2.6 for the description of each field in the screen. Figure 2.6 shows the standby call screen of the HT Client terminal.

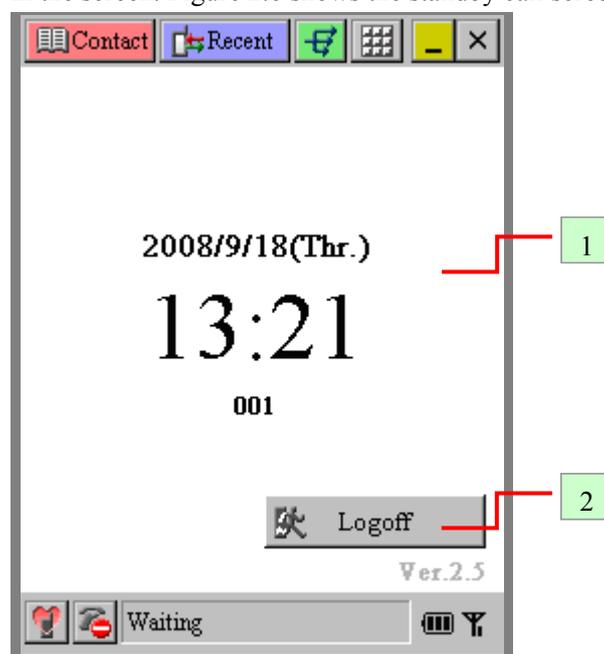


Figure 2.5 Standby call screen

Table 2.6 Standby call screen

No.	Field	Shortcut keys	Description
1	Standby screen	--	Displays an optional standby screen.
2	Logoff button	CLR key	This button changes the screen to the user authentication screen.

## 2.4 Incoming Calls

Incoming telephone call is notified to the user as follows.

### 2.4.1 Incoming Call Screen

The dialog screen below pops up to notify the user when there is an incoming call. See Table 2.7 for the description of each field in the screen.

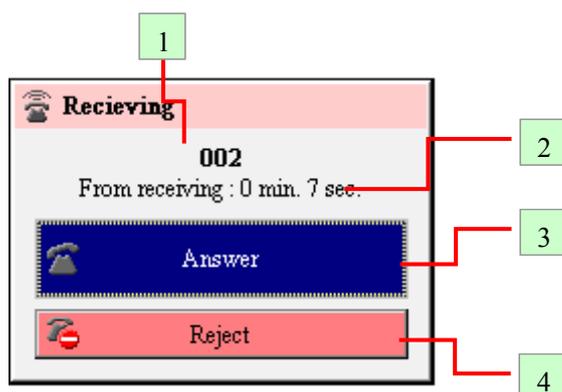


Figure 2.6 Incoming call screen

Table 2.7 Incoming call screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Caller information	--	Displays the user name of the caller.	Y	Y
2	Status display	--	Displays the elapsed time since the incoming call is responded.	Y	Y
3	Answer button	F3 key	Initiates telephone communication with the caller.	Y	Y
4	Reject button	F1 key CLR key	Rejects the incoming call.	Y	Y

Incoming calls can be notified to the user by activating one of the methods on the HT Client terminal .

Table 2.8 Call notification methods

Method	Description	Activation timing
Screen	Refer to Figure 2.6 for incoming call.	During incoming call
Sound	Sound is emitted via the integrated speaker.	Loop during call
Buzzer	Buzzer sound is emitted via the integrated speaker.	Loop during call
Vibrator	Vibrates the terminal.	Loop during call
LED	Flashes Indicator 1 in red.	Loop during call

## 2.4.2 Incoming Call Notification Screen

This screen notifies the user of an incoming call which is terminated by the caller before the user at the receive side answers or rejects. If other dialog box, for instance incoming call or text message, appears while this screen is being displayed, this incoming call notification screen is closed and the function is automatically terminated.

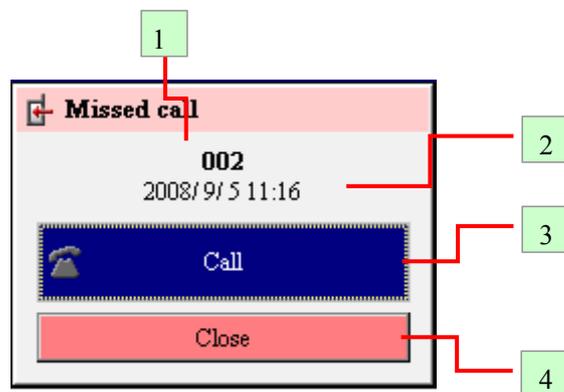


Figure 2.7 Incoming call notification screen

Table 2.9 Incoming call notification screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Caller information	--	Displays the user name of the caller.	Y	Y
2	Date and time	--	Displays year, month, date and hour of the incoming call.	Y	Y
3	Call button	F3 key	Closes the screen and initiates a call to the caller.	Y	Y
4	Close button	F1 key CLR key	Closes the screen.	Y	Y

## 2.5 Receiving Text Messages

When the CVS Client (HT Client, PC Client) receives a text message, it displays the received message in a dialog box. When the CVS Client (HT Client, PC Client) receives another text message while the screen (see Figure 2.8) is open, a new incoming text message is displayed after closing the first message screen. However, if multiple text messages are received concurrently, the most recent message is displayed and all intermediate messages are discarded.

For example, if text message B is received while displaying text message A, the text message B screen will be displayed after the text message A screen is closed.

If text messages B and C are received concurrently while displaying text message A, then only the text message C screen is displayed after closing the text message A screen. Thus, the text message B will not be displayed.

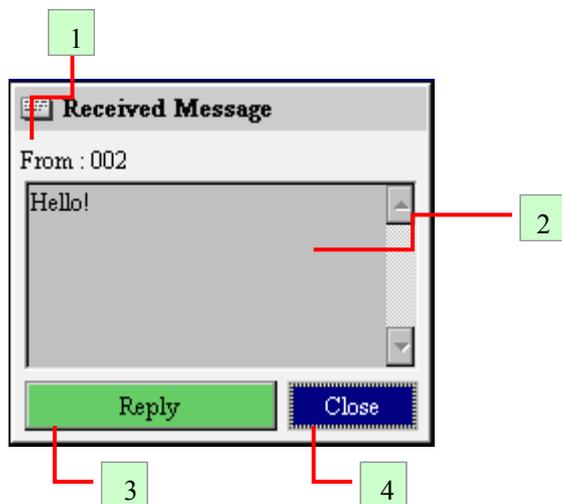


Figure 2.8 Received text message

Table 2.10 Received text message

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Sender information	--	Displays the sender's name.	Y	Y
2	Message	--	Displays the received text message.	Y	Y
3	Reply button	F3 key	Sends a reply in text message to the sender.	Y	Y
4	Close button	F1 key CLR key	Closes the dialog box.	Y	Y

Y: the function is available (display).

## 2.6 Accessing to Phone Address Book

The user can access to the phone address book (Contact) to choose a contact listed in the information display frame and initiate a call, send text message, or send voice message (possible with the Extended CVS Server Configuration established) to the contact.

### 2.6.1 Storage Location of Phone Address Book

- **In the Basic Configuration**

The CVS Client displays the Phone Address Book (local contacts) saved in the terminal. Refer to Chapter 3.4 "Local Send/Receive" for file configuration format and management on the Phone Address Book file.

- **With the Extended CVS Server Configuration**

The Phone Address Book provided by the CVS Server is displayed in the information display frame.

### 2.6.2 Phone Address Book Screen

Clicking the **Contact** button displays the phone address book by group. To return to the standby screen, click the button again. Figure 2.9 shows the phone address book screen of the HT Client terminal.

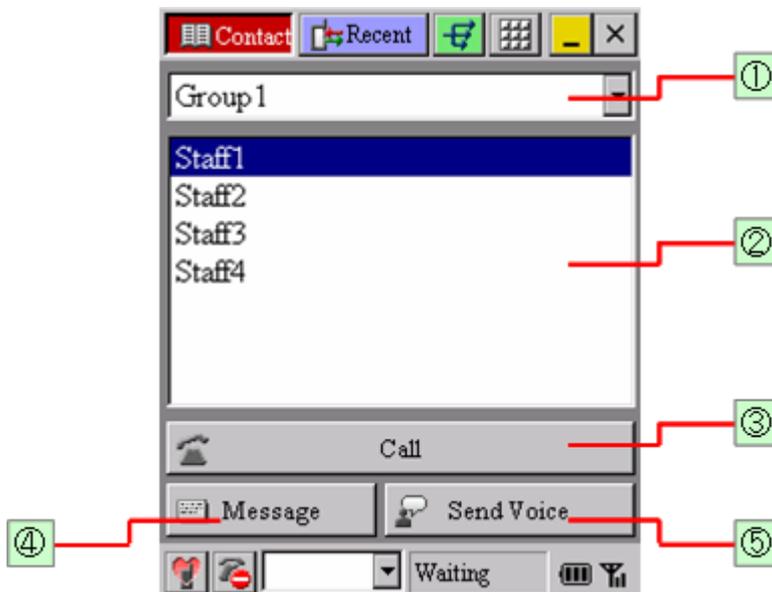


Figure 2.9 Phone Address Book screen

Table 2.11 Contact screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Group pull-down menu	L Trigger key (See note.) L Arrow key (See note.) R Trigger key (See note.) R Arrow key (See note.)	Displays all the groups registered in Phone Address Book. - L Trigger key/L Arrow key; scrolls up the group list. (See note.) - R Trigger key/R Arrow key; scrolls down the group list. (See note.)	Y	Y
2	Member list	--	Displays a list of the users belonging to the selected group. - Cursor up key/Up Arrow key; scrolls up the list. - Cursor down key/Down Arrow key; scrolls down the list. - Enter key; proceeds the focus to the subsequent control. (See note.)	Y	Y
3	Call	Center Trigger key	Initiate a call to a contact selected in the member list.	Y	Y
4	Send text message	--	Send a text message to the contact selected in the member list.	Y	Y
5	Send voice	--	Send a voice message to the contact selected in the member list.	--	Y

Y: the function is available (display).

Note:

Key operation is valid for PC and HT Client terminal on Windows CE.

## 2.7 Outgoing Calls (Calling)

This function allows users to call contacts in order to initiate a call (i.e. telephone communication).

### 2.7.1 Outgoing Call Screen

When making an outgoing call, the Calling dialog box pops up in the standby screen (see Figure 2.10). However, if other dialog box, for instance incoming call or text message, appears while this dialog box is being displayed, the dialog box is closed and the function is automatically terminated.

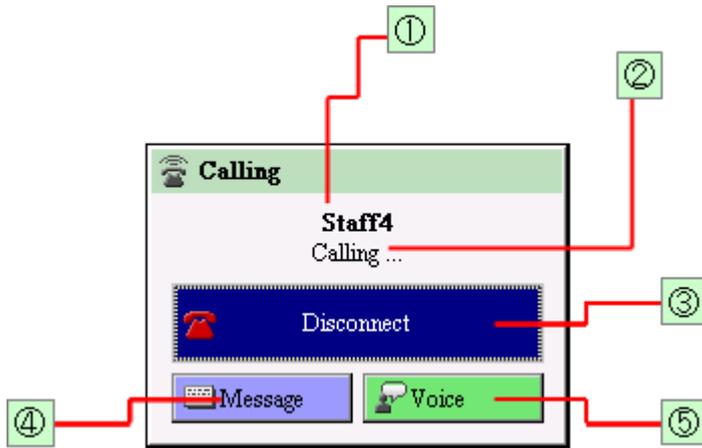


Figure 2.10 Outgoing call screen

Table 2.12 Outgoing call screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Contact information	--	- Displays the user name who receives the text message. - The SIP address is shown in case of dial call.	Y	Y
2	Status display	--	- Indicates that the call is being in progress.	Y	Y
3	Disconnect button	F1 key CLR key	- Disconnects the call and closes the dialog box.	Y	Y
4	Send text message button (See note.)	F2 key	- Disconnects the call, closes the dialog box and brings up the text message dialog box with the same contact's address.	Y	Y
5	Send voice message button (See note.)	F3 key	- Disconnects the call, closes the dialog box and brings up the voice message dialog box with the same contact's address.	--	Y

Note:

The button is disabled for the second call.

## 2.7.2 Reject Call Screen

The following dialog box appears when the call is not answered by the contact. If other dialog box, for instance incoming call or text message, appears while this dialog box is being displayed, this dialog box is closed and the function is automatically terminated.

The reject call function is not available for telephone with caller ID notification being set disabled.

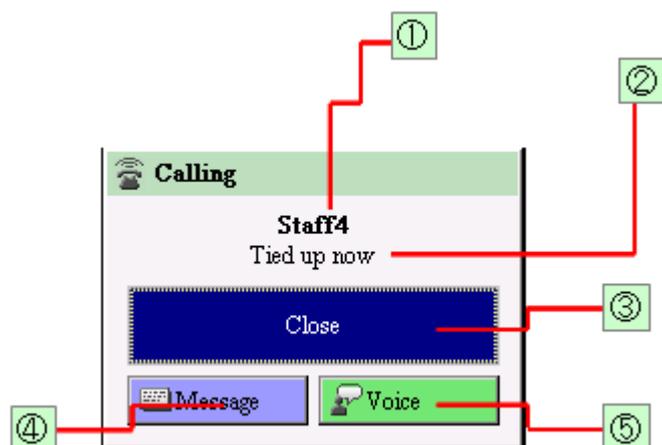


Figure 2.11 Reject call screen

Table 2.13 Reject call screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Contact information	--	Displays the user name of the contact being called.	Y	Y
2	Status display	--	Indicates that the call has been rejected.	Y	Y
3	Close button	F1 key CLR key	Closes the dialog box.	Y	Y
4	Send text message button	F2 key	Closes the dialog box and brings up the text message dialog box with the same contact's address.	Y	Y
5	Send voice message button	F3 key	Closes the dialog box and brings up the voice message dialog box with the same contact's address.	--	Y

## 2.8 Call (Telephone Communication)

Once the call is established, the "Now in call" screen appears (see Figure 2.12). In this screen, the connected time (duration of time counting up since the call is established) is displayed. The screen is closed when the call is disconnected.

### 2.8.1 Call Screen

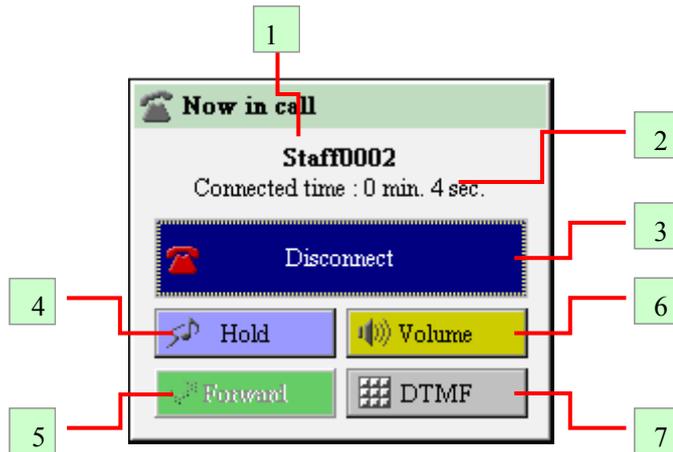


Figure 2.12 Call screen

Table 2.14 Call screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Contact information	--	Displays the user name of the other party.	Y	Y
2	Connected time period	--	Displays the time period elapsed since the call is established.	Y	Y
3	Disconnect button	F1 key CLR key	Disconnects the call and closes the dialog box.	Y	Y
4	Hold button	F2 key	Puts the current call on hold.	Y	Y
5	Forward button	F3 key	<ul style="list-style-type: none"> <li>- This button is used while the call is put on hold.</li> <li>- The dialog box can be minimized so that the user can make a second call using the Contact, Recent or Dial button.</li> </ul>	Y	Y
6	Volume button	F4 key L Trigger key R Trigger key	Displays the volume setting dialog box. <ul style="list-style-type: none"> <li>- L Trigger key: decreases volume.</li> <li>- R Trigger key: increases volume.</li> </ul>	Y	Y
7	DTMF	--	Displays the DTMF signal dialog box.	Y	Y

## 2.8.2 DTMF Signaling Screen

The user can transmit a DTMF (Dual-Tone Multi-Frequency) signal to a connected line by clicking 0 to 9, asterisk and sharp symbols on the DTMF keypad. See Figure 2.13.

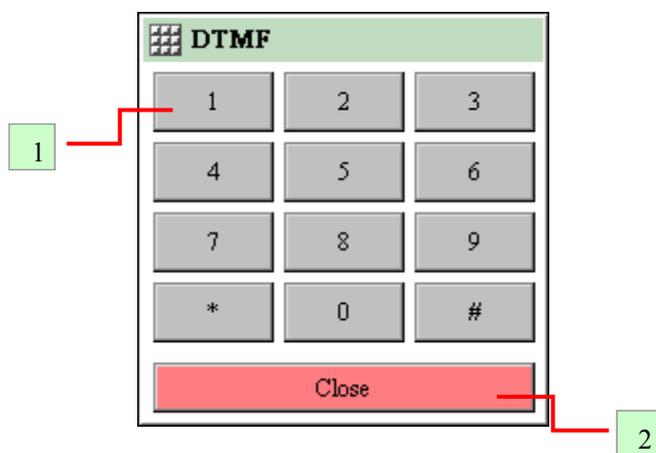


Figure 2.13 DTMF signaling screen

Table 2.15 DTMF signaling screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Key pad	Numerical keys	<ul style="list-style-type: none"> <li>- Transmits the touch tone corresponding to the key clicked on the DTMF keypad to the connected line.</li> <li>- For * and # key tones, advance the focus onto these keys using the cursor move keys and then click the Enter key once the focus is set on the key.</li> </ul>	Y	Y
2	Close button	F1 key CLR key	Closes the dialog screen.	Y	Y

## 2.8.3 Volume Setting Screen

The user can set up a sound volume to one of the 10 levels.

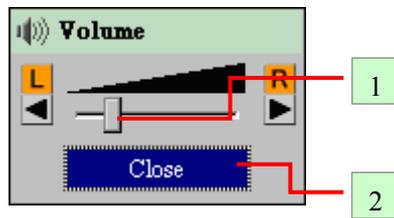


Figure 2.14 Volume setting screen

Table 2.16 Volume setting screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Sound volume adjust slide	L Trigger key R Trigger key	<ul style="list-style-type: none"> <li>- The sound volume can be adjusted in real time.</li> <li>- The modified sound volume setting is effect when a next call is made.</li> </ul> L Trigger key: decreases volume. R Trigger key: increases volume.	Y	Y
2	Close button	F1 key CLR key	<ul style="list-style-type: none"> <li>- Closes the dialog box.</li> <li>- Clicking anywhere in the dialog box closes the dialog box.</li> </ul>	Y	Y

## 2.9 Sending Text Message

The user can input and then send text messages to the specified contact or the group. While the screen (see Figure 2.15) is being open, the CVS Client is in a similar state with calling state and does not respond to received messages.

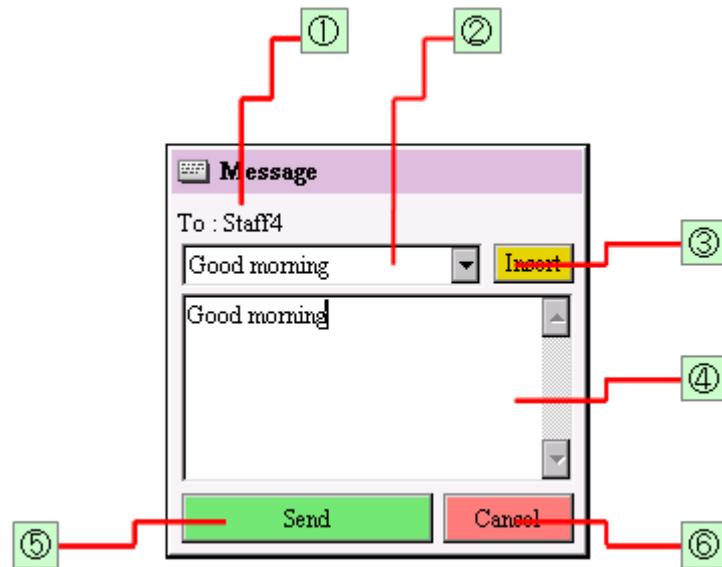


Figure 2.15 Edit text screen

Table 2.17 Edit text screen for sending text message

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	To	--	Shows the user name of the intended receiver.	Y	Y
2	Set phrases pull-down menu (see note.)	L Trigger key R Trigger key	Allows the user to choose a set phrase. L Trigger key/Cursor up key: scrolls up the group list. R Trigger key/Cursor down key: scrolls down the group list.	Y	Y
3	Insert set phrase button	F4 key	Inserts the selected set phrase at the cursor position in the Text box.	Y	Y
4	Text box	L Arrow key R Arrow key Cursor up key Cursor down key Enter key CLR key	- Edits the text to be sent. - Some of the shortcut keys on the left may be disabled when the input mode is changed. In this case, pressing the Center Trigger key resumes the input mode. L Arrow key: moves the cursor left. R Arrow key: moves the cursor right. Cursor up key: moves the cursor upward. Cursor down key: moves the cursor downward. Enter key: changes the line. CLR key: deletes the characters preceding the cursor.	Y	Y
5	Send button	F3 key	Sends the text message in the Text box to the designated receiver.	Y	Y
6	Cancel button	F1 key	Discards the text message and closes the dialog box.	Y	Y

Y: the function is available (display).

Note:

In the set phrases pull-down menu, there are 10 set phrases you can choose. To change any one of these, edit the definition file below.

/Program Files/Mobile Voice Communicator/MVCClient.ini

Refer to Chapter 3.2 “Setting CVS Client Function” for the definition file format.

## 2.10 Sending Voice Message

Recorded voice message can be sent to the selected contact or group in the voice message record screen (see Figure 2.16). This feature is available only if the Extended CVS Server Configuration is established. While the screen is being open, the CVS Client is in a similar state with calling state and does not respond to received messages. First, record the voice message to send.

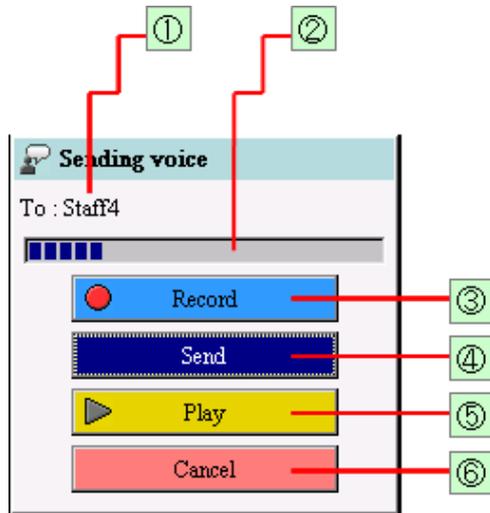


Figure 2.16 Record screen of sending voice message

Table 2.18 Record screen for sending voice message

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	To	--	Displays the user name of the intended receiver.	--	Y
2	Record progress bar	--	Indicates the progress of recording the voice message in relative to the maximum recording time. (see note)	--	Y
3	Record/Stop record button	F2 key	<ul style="list-style-type: none"> <li>- Starts the recording. If there is any recorded voice message, the message is discarded and a new voice message is recorded.</li> <li>- While recording continues, the role of this button changes to "Stop" to stop the recording.</li> </ul>	--	Y
4	Send button	F3 key	Sends the recorded voice message to the intended receiver.	--	Y
5	Playback/Stop playback button	F4 key	<ul style="list-style-type: none"> <li>- Plays back the recorded voice message.</li> <li>- This button is not allowed to click during recording.</li> <li>- While playback continues, the role of this button changes to "Stop" to stop the playback.</li> </ul>	--	Y
6	Cancel button	F1 key CLR key	Discards the recorded voice message and closes the dialog box.	--	Y

Y: the function is available (display).

Note:

The maximum recording time can be modified in the definition file below. The default is 15 seconds.  
/Program Files/Mobile Voice Communicator/MVCClient.ini

Refer to Chapter 3.2 “Setting CVS Client Function” for the definition file format.

## 2.11 Playing Back Voice Message

This feature plays back voice messages.

The feature is available only if the Extended CVS Server Configuration is established.

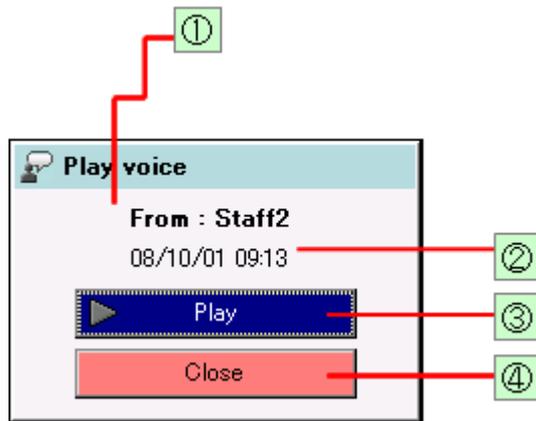


Figure 2.17 Voice message playback screen

Table 2.19 Voice message playback screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Sender	--	Displays the name who sends the voice message.	--	Y
2	Date and time	--	Displays the date, month, year and hour at which the voice message is received.	--	Y
3	Playback/Stop playback button	F4 key	<ul style="list-style-type: none"> <li>- Starts the playback.</li> <li>- While playback continues, the button appears indented, and the role of it changes to "Stop" to stop the playback.</li> </ul>	--	Y
4	Close button	F1 key CLR key	Cancels the playback and closes the dialog box.	--	Y

Y: the function is available (display).

The relationship between the operations of playback start/stop and the **UseAutoPlay/UseAutoClose** settings in Chapter 3.2 "CVS Client Function Settings" is explained in the table.

Table 2.20 Voice message playback/stop the operation and **UseAutoPlay/UseAutoClose**

Operation	UseAutoPlay/UseAutoClose			
	0 / 0	0 / 1	1 / 0	1 / 1
New voice message	In case new voice message is received in the standby mode			
Button	State of the button (during display→ playback→ stop) Raised: can be pressed; Indented: pressed; X: not operable			
Stop	Indented→ Raised→ Indented	Indented→ Raised→ Indented	Raised→ Raised→ Indented	×→×→×
Playback	Raised→ Indented→ Raised	Raised→ Indented→ Raised	Indented→ Indented→ Raised	×→×→×
Close	Raised→ Raised→ Raised	Raised→ Raised→ Raised	Raised→ Raised→ Raised	×→×→×
Playback method	Repeat	Repeat	Repeat	One time
During other operations	In case a voice message is received while operating dialog box is displayed:			
Button	Button status (during display→ playback→ stop) Raised: can be pressed; Indented: not operable			
Stop	Indented→ Raised→ Indented	Indented→ Raised→ Indented	Raised→ Raised→ Indented	Raised→ Raised→ Indented
Playback	Raised→ Indented→ Raised	Raised→ Indented→ Raised	Indented→ Indented→ Raised	Indented→ Indented→ Raised
Close	Raised→ Raised→ Raised	Raised→ Raised→ Raised	Raised→ Raised→ Raised	Raised→ Raised→ Raised
Playback method	Repeat	Repeat	Repeat	Repeat
Playback from Recent	In case a voice message from Recent is played back:			
Button	Button status (during display→ playback→ stop) Raised: can be pressed; Indented: not operable			
Stop	Indented→ Raised→ Indented	Indented→ Raised→ Indented	Raised→ Raised→ Indented	Raised→ Raised→ Indented
Playback	Raised→ Indented→ Raised	Raised→ Indented→ Raised	Indented→ Indented→ Raised	Indented→ Indented→ Raised
Close	Raised→ Raised→ Raised	Raised→ Raised→ Raised	Raised→ Raised→ Raised	Raised→ Raised→ Raised
Playback method	Repeat	Repeat	Repeat	Repeat

## 2.12 Send to All

The feature allows the user to concurrently send a text or voice message to multiple contact groups. The feature is available if the Extended CVS Server Configuration is established.

### 2.12.1 Send to All Screen

The screen below appears when the **Send to All** button is clicked. Figure 2.18 shows the send to all screen of the HT Client terminal.

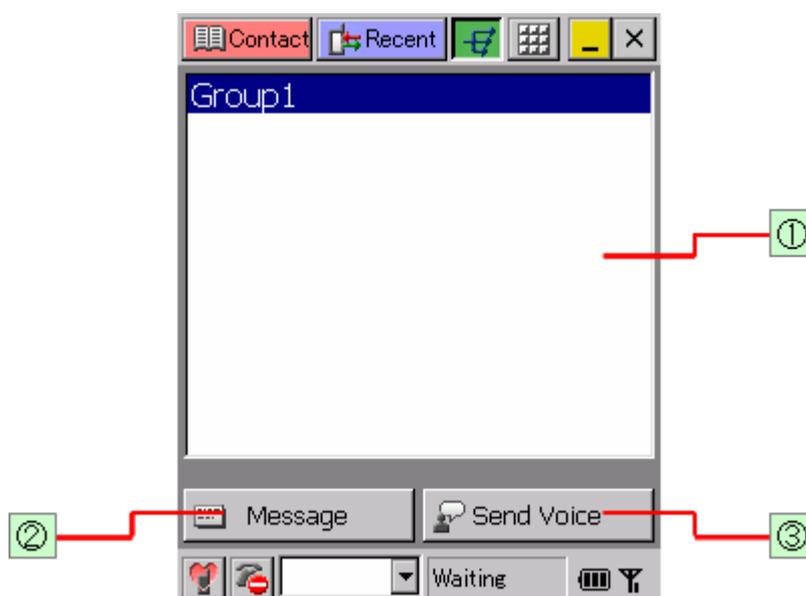


Figure 2.18 Send to All screen

Table 2.21 Send to All screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Group select	--	Displays a list of all groups registered in Contact. Cursor up key: scrolls up the list. Cursor down key: scrolls down the list.	--	Y
2	Send text message button	--	Sends the same text message to all members in the selected group.	--	Y
3	Send voice button	--	Sends the same voice message to all members in the selected group.	--	Y

Y: the function is available (display).

## 2.13 Dial Call

This feature allows the user to dial up call to a person, in the similar manner as telephone call to outside line, who is not registered in the Phone Address Book or who is not listed in the Recent record.

### 2.13.1 Dial Call Screen

Click the **Dial** button in the screen switch frame (see Figure 2.19). Figure 2.19 shows the dial call screen of the HT Client terminal.

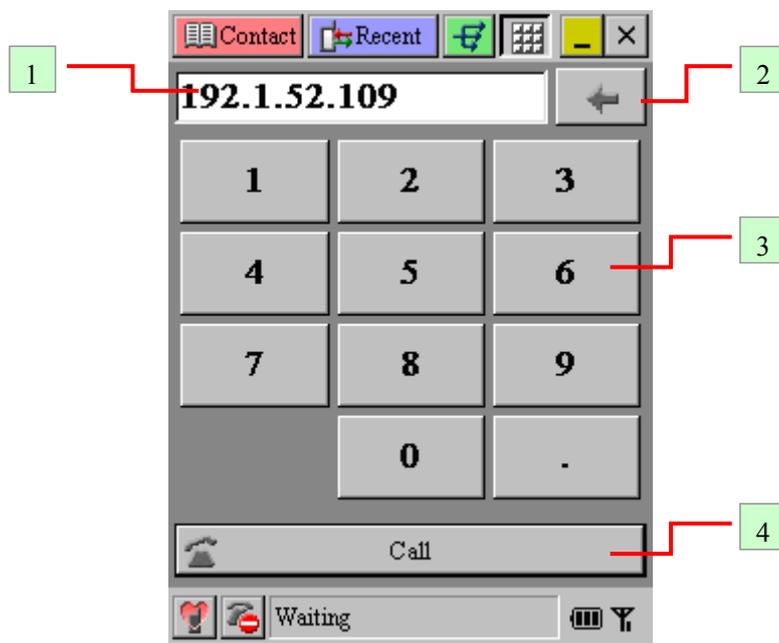


Figure 2.19 Dial call screen

Table 2.22 Dial call screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Number to dial	--	Input SIP address or IP address or outside line number.	Y	Y
2	Backspace button	CLR key	Deletes the last digit entered.	Y	Y
3	Number keys	Number keys and period (.) key	Inputs a number in the "Number to dial" field to dial.	Y	Y
4	Call button	Center Trigger key	Initiates a call to the dial number.	Y	Y

Y: the function is available (display).

## 2.14 Holding Call

Clicking the **Hold** button (see Figure 2.20) puts the current call on hold and outputs a holding music to the party on the other side. While a call is put on hold, the **Hold** button appears indented and "Holding" message appears in the status display area.

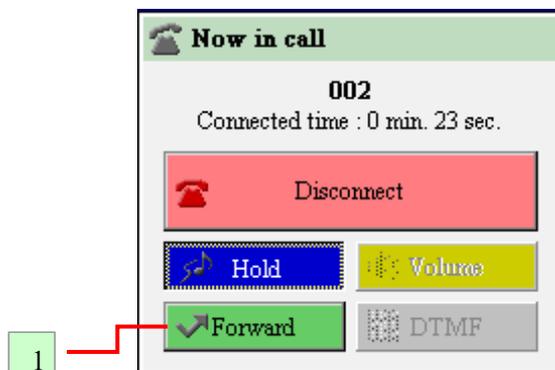


Figure 2.20 Holding call screen

Table 2.23 Holding call screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Forward button	F3 key	<ul style="list-style-type: none"> <li>- This button can be used when the call is put on hold.</li> <li>- The dialog box is minimized so that the user can make a second call using the Contact, Recent or Dial functions.</li> </ul>	Y	Y

## 2.15 Forwarding Call

This feature allows the user to forward the original call to other user after putting it on hold. The CVS system provides the forwarding call only if the original call is put on hold.

### 2.15.1 Selecting Forward Contact Screen

After putting the call on hold, the receiver who receives the forwarded call can then be selected using the Contact, Recent, or Dial functions. However, the Send to All, Settings and Logoff functions are not operable in the forwarding call mode.

The **Return** button appears in the status display frame in place of the **Silent Mode** and **Reject Call** buttons.

Clicking the **Return** button resets the “select forward contact” mode and resumes the Holding call dialog box (see Figure 2.20). Figure 2.21 shows the return screen of the HT Client terminal.



Figure 2.21 Return screen while selecting forward contact

Table 2.24 Return screen while selecting forward contact

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Return button	Space key	Resets the “select forward contact” mode and resumes the Holding call dialog box.	Y	Y

## 2.16 Send/Receive History

Clicking the **Recent** button displays a list of previously sent and received calls and messages in the information display frame (see Figure 2.22). The users listed can be clicked to call or send a text or send voice message (available if the Extended CVS Server Configuration is established). Figure 2.22 shows the send/receive history screen of the HT Client terminal.

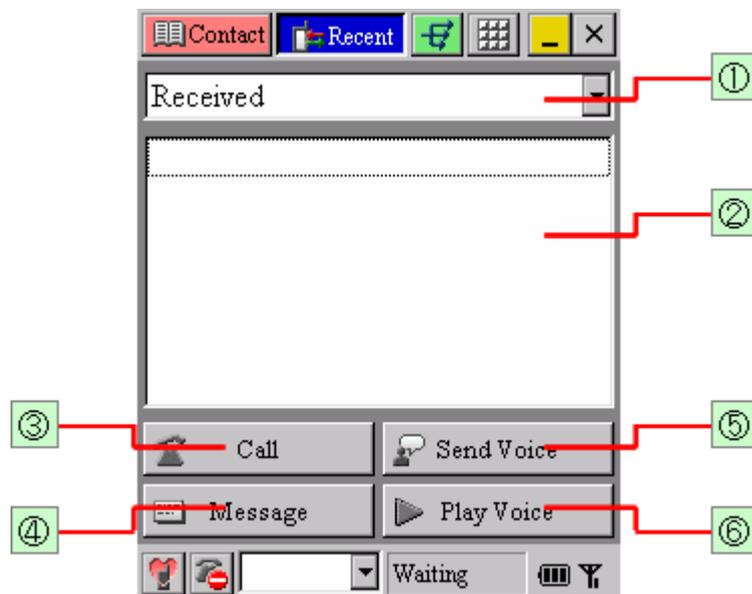


Figure 2.22 Send/Receive history screen

Table 2.25 Send/Receive history screen

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	Category	L Trigger key (see note2) L Arrow key (see note2) R Trigger key (see note2) R Arrow key (see note2)	Selects "Received" or "Sent" history in the pull-down menu. L Trigger key/L Arrow key: scrolls up the group list. (see note2) R Trigger key/R Arrow key: scrolls down the group list. (see note2)	Y	Y
2	List of the history	--	Displays the list of send or receive history up to the maximum allowed number of records (see note1). Refer to Chapter 2.16.2 "Recent List Format" for configuration of history records. Cursor up key: scrolls the list upward. Cursor down key: scrolls the list downward. Enter key: advances the focus to a next intended control. (see note2)	Y	Y
3	Call button	Center Trigger key (see note2)	Initiates a call to the contact selected in the history list.	Y	Y
4	Send text message button	--	Sends a text message to the contact selected in the history list.	Y	Y
5	Send voice message button	--	Sends a voice message to the contact selected in the history list.	--	Y
6	Playback message button	--	Plays back the voice message selected in the history list.	--	Y

Y: the function is available (display).

Note:

1. The maximum number of records saved in the history list can be modified in the definition file below. The default is 30 for each category, received and sent.

/Program Files/Mobile Voice Communicator/MVCCClient.ini

Refer to Chapter 3.2 "Setting CVS Client Function" for the definition file.

2. Key operation is valid for PC and HT Client terminal on Windows CE.

## 2.16.1 Storage Location of History Data

- **In the Basic Configuration**

The sent/received data (locally sent/received data) saved in the CVS Client is listed on the screen. Refer to Chapter 3.4 "Local Send/Receive" for format and management on the Recent sent/received data file.

- **If the Extended CVS Server Configuration is established**

The Recent sent/received management web application provided by the CVS Server is displayed in the information display frame on the HT Client terminal.

## 2.16.2 Recent List Format

Below is example of a Recent entry format.

Format of the Recent list:

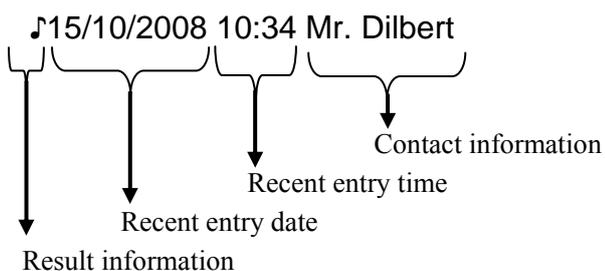


Figure 2.23

Table 2.26 Recent list format

Name	Description
Result information	Indicates a result of the send/receive, call/message with one of the symbols below. • ; The contact responded and the call was established. x ; The receiver did not respond and the caller terminated. ♪ ; A voice message was received.
Recent entry date	Indicates date of the Recent entry. Date is shown in dd/mm/yyyy format.
Recent entry time	Indicates the Recent entry time. Time is shown according to 24-hour system (hh:mm).
Contact information	Indicates name of send/receive contact. The SIP address is shown if a contact name is absence.

## 2.17 Error

The following screens (see Figures 2.24 and 2.25) appear in the event of anomaly.



Figure 2.24 Error screen 1

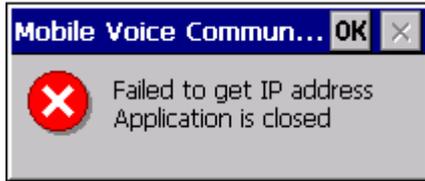


Figure 2.25 Error screen 2

The following errors may occur according to operating condition.

Table 2.27 Errors

Timing of error occurrence	Message appeared in the pop-up screen	Error screen	Subsequent performance after the error
Login/Logoff	Failed to initialize.	1	Login screen appears.
	Failed to register the user.		
	Failed to authenticate the user.		
	Failed to cancel the user.		
Call	Failed to receive.	1	Standby screen appears. (see note 1)
	Failed to send.		
	Failed to disconnect.		
	Failed to put on hold.		
	Failed to cancel holding.		
	Failed to signal DTMF.		
	Failed to forward.		
Voice message	Failed to record voice.	1	Standby screen appears. (see note 1)
	Failed to send voice.		
	Failed to play back voice.		
	Failed to get voice.		
Text message	Failed to send text.	1	Standby screen appears. (see note 1)
	Failed to receive text.		
The CVS system is being initiated.	Failed to retrieve IP address. Application is closed.	2	The application is terminated. (see note 2)
Moving the CVS Client out of the range	--	--	The operation before the error occurrence is resumed on the CVS Client. (see note 3)
Moving the CVS Client into the range	--	--	The operation before the error occurrence is discarded and the standby screen is resumed on the CVS Client. (see note 1)

Notes:

1. The CVS Client attempts to internally perform the login before displaying the standby screen. If the CVS Client has not retrieved IP address, it disables the **Contact**, **Recent**, **Dial**, and **Send to All** buttons except the logoff and termination process and then displays the standby screen. After the CVS Client has retrieved the IP address successfully, it will succeed the login and set all the buttons operable. Figure 2.26 shows the standby screen of the HT Client terminal.

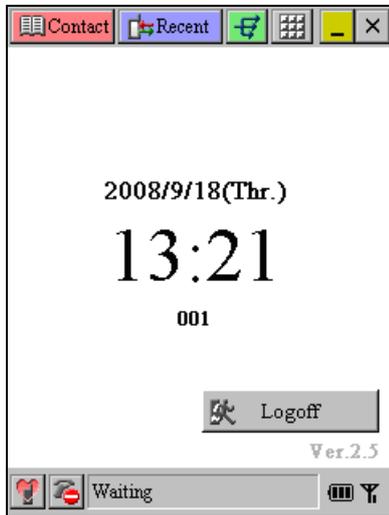


Figure 2.26 Standby screen

2. While the CVS system is being initiated, checking the IP address is performed at a time of Resume ON on the CVS Client. In any event that the CVS Client does not retrieve the IP address in 20 seconds, an error occurs on the CVS Client.
3. Clicking the **X** button resumes the standby screen (see Figure 2.26).

## 2.18 Log Off

Clicking **Logoff** button in the Standby screen (see Figure 2.26) or **CLR** key in each the Standby, Contacts, Recent, Send to All or Dial screen displays the login screen followed by a popup dialog box (see Figure 2.27) asking you to confirm on continuation of the log off process.

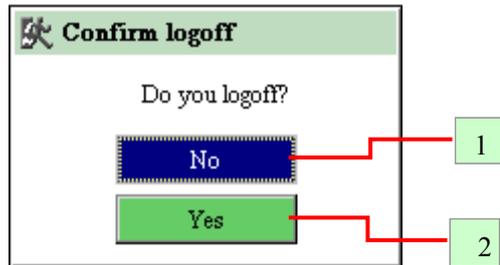


Figure 2.27 Log off confirmation

Table 2.28 Log off confirmation

No.	Field	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	No button	F1 key CLR key	Resumes the standby screen without logging off.	Y	Y
2	Yes button	F3 key	The user logs off.	Y	Y

## 2.19 Exiting Application

Clicking **X** button at the upper-right corner in the screen switch frame displays a popup dialog box (see Figure 2.28) asking you to confirm continuation of the exit process.

Or, the ALT+F4 keys on the PC Client or Fn+CLR keys on the HT Client in each the Standby, Contact, Recent, Send to All or Dial screen pops up the same dialog box.

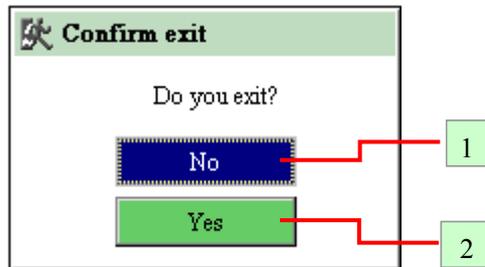


Figure 2.28 Confirmation for exiting application

Table 2.29 Confirmation for exiting application

No.	Item	Shortcut keys	Description	Basic Configuration	Extended CVS Server Configuration
1	No button	F1 key CLR key	Resumes the standby screen without exiting the application.	Y	Y
2	Yes button	F3 key	Exits the application.	Y	Y

## 2.20 Power OFF Disable Function

The power on the CVS Client cannot be switched off by the user during one of the following screens is being appeared.

- Outgoing call screen
- Incoming call screen
- Call screen
- Text message send screen
- Text message receive screen
- Voice message send screen
- Voice message playback screen
- Exit confirmation screen

### 3. Definition File

This chapter explains three definition files for the CVS Client function settings, local Contact and local Recent send/receive.

#### 3.1 SIP Control Setting

This chapter explains the settings required for communication via the SIP protocol.

- **Definition file path name**  
/Program Files/Mobile Voice Communicator/Config.ini
- **Parameters**  
Key = value to set

Table 3.1

Key	Default	Description	Range of setting
SIPRegServer		SIP register server's IP address	--
SIPProxyServer	--	SIP proxy server's IP address	--
SIPRedirectServer	--	SIP Redirect Server	--
SIPPresenceServer		SIP presence server's IP address	
SIPGateway		Gateway IP address	
UsrID		User ID	
Password		Password	
MaxCallNum	128	Maximum number of simultaneous sessions	HT Client: 1 to 128 PC Client: 1 to 256 or more
playWait	36	Number of audio data buffer chunks for audio device playback (Max packet interval 360/10) (for HT Client)	1 to 36
noToneThreshold	600	Cutting no tone determination level (for HT Client)	0 to 65535
MaxRTPNum	1	Number of VoIP maximum calls	
Transport	0	Transport parameter types	0. Multiple (Text: TCP, Voice: UDP) 1. TCP 2. UDP
SIPPort	5060	SIP UDP port number	
SndExpires	3600	Register registration time (seconds)	
RegisterRetryTimer	30	Register retry interval (seconds)	
MsgExpires	600	Message valid period	
session_expires	1800	Session timer (seconds)	0 = no support
minSE	360	Session timer MinSE value (seconds)	0 = no support
RTCPInterval	5000	RTCP packet transmit interval in milliseconds (for HT Client)	0 or more
T1Timer	500	Resend interval in milliseconds	500 or more. Any value less than 500 is automatically set to 500.

Continue.

T2Timer	4000	Resend upper interval in milliseconds	4000 or more. Any value less than 4000 is automatically set to 4000.
frameNum	20	G.711 packet interval in milliseconds	10 to 360
CuttingMode	2	Cutting mode designation (for HT Client)	0. Cutting not performed. 1. Cutting performed without no tone determination. 2. Cutting performed with no tone determination.
CuttingThreshold	180	Designates cutting threshold in milliseconds. (for HT Client)	
ReprieveLimit	80	Designates duration exceeding the cutting threshold in milliseconds. (for HT Client)	
InitialLoadLength	80	Time period of no tone initially output (play back) to audio device in milliseconds. (for HT Client)	
ChunkSize	160	Designates chunk size of audio data buffer for playback for audio device in bytes. (for HT Client)	
DtmfDurationTime	160	Designates time period of DTMF playback in milliseconds. (for HT Client)	0 to 8000
DtmfVolume	13	Designates sound volume of DTMF playback (in 3 dB) (for HT Client)	0 to 15
TOS	0	RTP & RTCP packet TOS field values (for PC Client)	
stateset_expires	1800	Presence setting (Publish) valid period	
Statechange_expires	1800	Presence change (Subscribe) valid period	
SessionVersion	0	SDP protocol version	Fixed to 0.
SessionOwner	"-"	Session owner information	
SessionName	"-"	Session title	
RTPPort	5004	RTP port no.	
codecList	"0 8"	Codec list	"0 8" or "8 0"
Dtmf	1	Designates DTMF method.	1. Voice 2. Signals (see note)
Hold	1	Designates the method of putting call on hold.	1. C=0 0 2. a=send only

Note:

The CVS system does not support the "Signals" method.

See example of the Definition File in the next page.

## Example of the Definition File

```
# Formats ignored as comment line if beginning of line is '#' '\t'
'\n'
#
#
#   <Keyword> = <value>
# [Server, gateway]
# SIP register server's IP address
SIPRegServer =
# SIP proxy server's IP address 10.14.8.146
SIPProxyServer =
# SIP redirect server's IP address
SIPRedirectServer =
# SIP presence server's IP address
SIPPresenceServer = 10.14.8.146
# Gateway IP address
SIPGateway=
# User ID
UsrID =
# Password
Password =
# [SIP]
# Number of maximum simultaneous connected sessions. CE: 1-128;PC:
1-256 or more (default=128)
MaxCallNum = 128
# Number of audio data buffer chunks for audio device playback (Windows
CE only)
                                (1- 36) (default=36; max. packet
interval: 360/10)
playWait = 36
# Cutting no tone determination level (0-65535) (Windows CE only)
(default=600)
noToneThreshold = 600
# VoIP maximum call no.
MaxRTPNum = 1
# Transport parameter type 0.multiple (text: TCP; voice: UDP); 1.TCP,
2.UDP
transport = 0
# SIP UDP port no. (default=5060)
SIPPort = 5060
# Register registration time (seconds) (default=3600)
SndExpires = 3600
# Register retry interval (seconds) (default=30)
RegisterRetryTimer=30
# Message valid term (default=600)
MsgExpires = 600
# Session timer (seconds) (0=no response; default=1800)
session_expires = 1800
```

```

# Session timer MinSE value (seconds) (0=no response; default=360)
minSE = 360
# RTCP packet transmit interval (ms) (Windows CE only) (0 - )
(default=5000)
RTCPInterval = 5000
# G.711 packet interval (ms) (10 - 360) (default=20)
frameNum = 20
# EE_CONFIG_CUTTING_MODE (Windows CE only) (0:EE_CUTTING_OFF,
1:EE_CUTTING_SIMPLE,

2(default):EE_CUTTING_SILENCE)
CuttingMode=2
# EE_CONFIG_CUTTING_THRESHOLD (Windows CE only) (180ms)
CuttingThreshold=180
# EE_CONFIG_REPRIEVE_LIMIT (Windows CE only) (80ms)
ReprievLimit=80
# EE_CONFIG_INITIAL_LOAD_LENGTH (Windows CE only) (80ms)
InitialLoadLength=80
# EE_CONFIG_DEVICE_NAME
#DeviceName=/dev/dsp
# EE_CONFIG_CHUNK_SIZE (Windows CE only) (160 byte)
ChunkSize=160
# EE_CONFIG_DTMF_DURATION_TIME (Windows CE only) (0 - 8000ms)
DtmfDurationTime=160
# EE_CONFIG_DTMF_VOLUME (Windows CE only) (0 - 15) units: 3dB
DtmfVolume=13
# RTP & RTCP packetTOS field values (PC only) (default=0)
TOS = 0
# Presence setting (Publish) valid term
stateset_expires = 1800
# Presence change (Subscribe) valid term
statechange_expires = 1800
# Resend interval (ms) (500-: default=500)
T1Timer=500
# Resend upper interval (ms) (4000-: default=4000)
T2Timer=4000
# [SDP]
# SDP protocol version (v=) (0-9)
# Fixed at 0
SessionVersion = 0
# Session owner information (o=) (default="-")
SessionOwner =
# Session title (s=) (default="-")
SessionName = -
# RTP port no. (default=5004)
RTPPort = 5004
# Codec list (m=); "0 8" or "8 0"
codecList = 0 8
# DTMF methods 1. Voice 2. Signal

```

```
dtmf = 1
# Hold methods 1. C=0 0; 2. a=send only
hold = 1
```

## 3.2 Setting CVS Client Function

The function settings explained in this chapter can be determined and deployed to all the HT Client terminals and the PC Client PCs as default values.

In the Basic Configuration, this pertains to the individual terminal settings and any modification made by the user does not affect them. However, if the Extended CVS Service Configuration is established, some of the settings in Table 3.2 are changed temporarily at a time of user authentication and both HT Client terminal and PC Client PC perform accordingly.

- **Definition file path name**  
/Program Files/Mobile Voice Communicator/MVCCClient.ini
- **Format**  
Windows INI file

Table 3.2 Session name: CVS

Key	Default	Description	Setting range	Function settings (see note 1)	CVS Server Settings (see note 2)
CMD	INFO	Indicates CVS Client settings (fixed)	--	--	--
ID	--	Characters used to enter user name in the user authentication screen.	--	Y (see note 4)	--
PASSWD	--	Characters used to enter password in the user authentication screen.	--	Y (see note 4)	--
SIPUSERID	--	Sets the ID for login on the SIP server.	--	Y	--
URI	--	Sets the SIP URI for login on the SIP server.	--	Y	--
AUTO	0	Performs automatic login at a next startup using above the ID and password settings.	Auto login 0: No 1: Yes	Y (see note 4)	--
USEPRESENCE	0	Adds the presence status indication/components in the status display frame.(see note 3)	Presence 0: No 1: Yes	--	Y
USEIM	1	ON/OFF for the Text send function	Text send function 0: OFF 1: ON	Y	Y
USELOGOFF	1	ON/OFF for the Log off function	Log off function 0: OFF 1: ON	Y	Y
USESETTING	0	ON/OFF for the Settings function	Settings function 0: OFF 1: ON	--	Y

Continue.

USEAUTORECI EVE	0	ON/OFF for the Auto receive function	Auto receive function 0: OFF 1: ON	Y	Y
USEAUTOPLA Y	0	ON/OFF for the Auto voice message playback function	Auto voice message play function 0: OFF 1: ON	Y	Y
USEAUTOCLO SE	0	ON/OFF for the Auto voice message playback exit function	Auto voice message playback exit function 0: OFF 1: ON	Y	Y
USEBLOCKMO DE	0	ON/OFF for the Rejecting call setting function	Reject call setting function 0: OFF 1: ON	Y	Y
USEMANNER MODE	0	ON/OFF for the Silent mode setting function	Silent mode setting function 0: OFF 1: ON	Y	Y
USEIMAUTO CLOSE	0	ON/OFF for the Text message display dialog box auto close function *Must not use except for the aging purpose.	Auto close function 0: OFF 1: ON	Y	--
KEEPALIVEIN TERVAL	0	Keep-alive statement interval in seconds Setting "0" disables the performance (see note 6)	0 to 3600	--	Y
USEDTMF	0	ON/OFF for the DTMF function	DTMF 0: OFF 1: ON	Y	Y
USEDIAL	1	ON/OFF for Dial call function	Dial call function 0: OFF 1: ON	Y	Y
AUTOHIDECL OSE	0	ON/OFF for the Auto hide screen function (in sending message, call out, and standby modes)	Auto hide screen function 0: OFF 1: ON	Y (see note 5)	Y
AUTOHIDEOP EN	0	ON/OFF for the Auto hide screen function (in receiving message, call received, and standby modes)	Auto hide screen function 0: OFF 1: ON	Y (see note 5)	Y
VOICESEC	15	Maximum recording time for voice message in seconds	5 to 30	--	Y
HISTORYNUM	30	Maximum number of Recent entries	10 to 50	Y	Y
SIPCTRLDLL	--	DLL for control on special SIP server. Defines the DLL name to read instead of <b>SVCSipNoski.dll</b> . Reads <b>MVCSipNoski.dll</b> if no name has been defined.	--	Y	Y

Continue.

USELOGOFFDLG	0	ON/OFF for displaying the log off confirmation dialog box	0: OFF 1: ON	Y	Y
USEEXITDLG	1	ON/OFF for displaying the application close confirmation dialog box	0: OFF 1: ON	Y	Y
IMSTRING[n]	--	Sets the number of set phrases used when editing text message to send.	0 to 10	Y	Y

Notes:

1. The setting which can be set using the function provided by the CVS Client.
2. The setting which is sent for the CVS Server user authentication. It has the priority over the setting of the CVS Client.
3. The current version of the CVS does not support the presence function.
4. The ID and PASSWD are saved in the registry when the AUTO is set to 1, or deleted from the registry when the AUTO is set to 0. When ID and PASSWD data already exist in the registry, the login process precedes the content in the registry.
5. To resume the display, click the CVS icon in the task tray.
6. Keep-alive statements are also issued to the CVS Server in other intervals during login and viewing the Contacts and Recent tabs.
7. Any value out side of the setting range is ignored and the default is automatically set.

Table 3.3 Session name: MVCSERVICE (see note)

Key	Default	Description
SERVER	--	CVS Server name
REGIST	--	CVS user authentication service address

Note:

The session must be defined only if the Extended CVS Server Configuration is established.

### 3.3 Local Phone Address Book

In the Basic Configuration, this function defines the local phone address book (or Contact) referred by the CVS Client. The definition file is defined with JavaScript.

#### 3.3.1 Configuration

The Phone Address Book (Contact) is comprised of multiple groups, and the users belonging to the respective groups are managed by group. The user information consists of the user name and SIP address. See Figure 3.1.

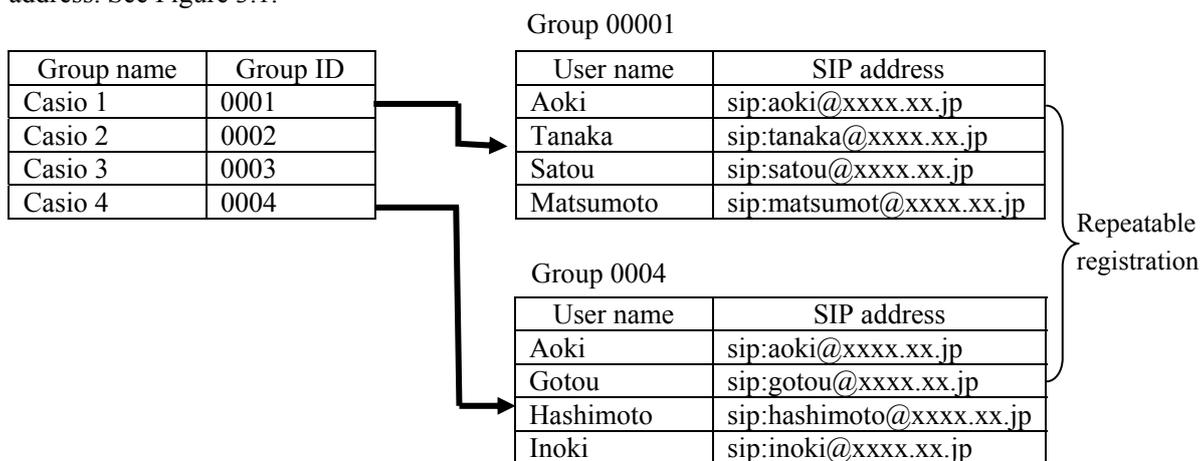


Figure 3.1

- Definition file path  
/Program Files/Mobile Voice Communicator/HTML/Script/mvcAddressCustom.js

### 3.3.2 Format

Below is the format of the configuration example (see Figure 3.1) described in Chapter 3.3.1.

```
////////////////////////////////////  
 / Creating group lists  
function CreateGroups( _groups )  
{  
    _groups.groups[n] = new mvcGroup( "[group name]", "[groupID]" );  
}  
  
////////////////////////////////////  
 / Creating member lists  
function CreateMembers( _members, _gid )  
{  
    switch( _gid )  
    {  
        case "[group ID]":  
            CreateMembers[group ID] ( _members );  
            break;  
    }  
}  
  
////////////////////////////////////  
 / Creating individual group member lists  
function CreateMembers[group ID] ( _members )  
{  
    _members.members[n] = new mvcMember( "[user name]", "[SIP  
address]" );  
}
```

[n] specifies a sequential number.

## Example of the settings

```
////////////////////////////////////  
// Creating group lists  
function CreateGroups( _groups )  
{  
    _groups.groups[n] = new mvcGroup( "Casio1","00001" );  
    _groups.groups[n] = new mvcGroup( "Casio2","00002" );  
}  
////////////////////////////////////  
// Creating member lists  
function CreateMembers( _members, _gid )  
{  
    switch( _gid )  
    {  
        case "00001":  
            CreateMembers00001 ( _members );  
            break;  
        case "00002":  
            CreateMembers00002 ( _members );  
            break;  
    }  
}  
////////////////////////////////////  
// Creating individual group member lists  
function CreateMembers00001 ( _members )  
{  
    _members.members[0] = new mvcMember( "Aoki",  
"sip:aoki@casio.co.jp" );  
    _members.members[1] = new mvcMember( "Tanaka",  
"sip:tanaka@casio.co.jp" );  
    _members.members[2] = new mvcMember( "Satou",  
"sip:satou@casio.co.jp" );  
    _members.members[3] = new mvcMember( "Matsumoto",  
"sip:matsumoto@casio.co.jp" );  
}  
function CreateMembers00002 ( _members )  
{  
    _members.members[0] = new mvcMember( "Aoki",  
"sip:aoki@casio.co.jp" );  
    _members.members[1] = new mvcMember( "Gotou",  
"sip:gotou@casio.co.jp" );  
    _members.members[2] = new mvcMember( "Hashimoto",  
"sip:hashimoto@casio.co.jp" );  
    _members.members[3] = new mvcMember( "Inoki",  
"sip:inoki@casio.co.jp" );  
}
```

## 3.4 Local Send/Receive History

In the Basic Configuration, this function defines the send/receive history records referred by the CVS Client. Each send history or receive history is saved in a single file in the respective folders, send history files are in the send folder and receive history files are in the receive folder. The names of these files are defined as the local send/receive history. See Chapter 3.4.2 for the format of the history file name.

### 3.4.1 Definition Folder Path

The Send record and Receive record files are located in the following folder. If the folder does not exist, the CVS Client will create a new folder automatically. If records in each file exceeds over the maximum number of records, any records exceeded are deleted automatically starting with old record first.

- Receive record management folder  
/Program Files/Mobile Voice Communicator/HISTORY/[USERID]/RECEIVE/
- Send record management folder  
/Program Files/Mobile Voice Communicator/HISTORY/[USERID]/SEND/

### 3.4.2 History File Name

This chapter describes each component that forms the Recent file name.

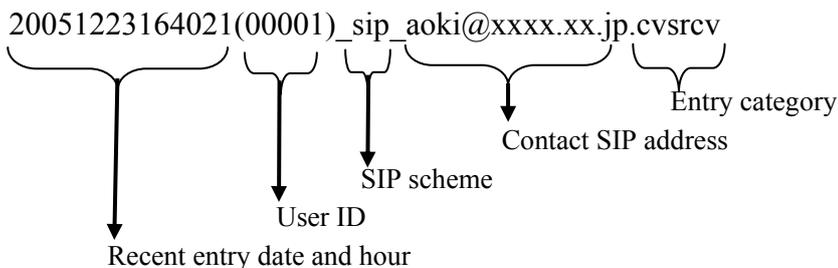


Figure 3.2

Table 3.4 Recent file name format

Name	Description
Entry category	Indicates the category of Recent entry with one of the extensions below. cvsrcv ; Call/message is received and then answered. cvssnd ; Call/message is sent. cvslev ; Call/message is missed.
Contact SIP address	SIP address of either sender in the Recent send or receiver in the Recent receive.
SIP scheme	SIP scheme. It is usually referred to as "SIP".
USERID	The user's own ID. The entry is left blank if no ID exists.
Recent entry date and hour	The example indicates entry made at 16:40.21 on 23rd December 2005.

**Example of Save:**

