

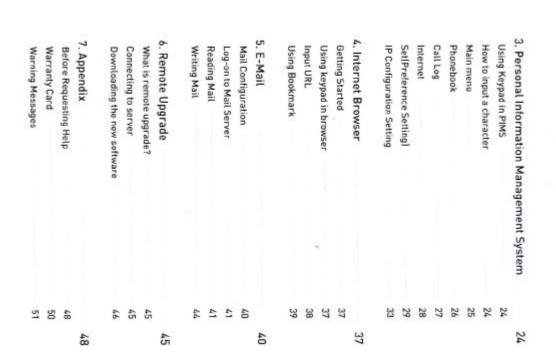
FCC ID: P6QGVP-4000i Report No:E02.0130.FCC.070N Date of Test: January 30, 2002

2 LAN(10 Base-T): RJ-45 Hub support Specifications

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# Safety Instructions

videophone. Following this will reduce the risk of fire, electric shock, It is important to read and understand these instructions before using and

Opening this unit will void the product warranty Do not disassemble this unit.

(Power supply is 100 ~ 240 V compatible) Please plug this videophone correctly with proper electric power supply.

Do not expose this product to rain or humid environment Place this unit securely on a stable surface or flat table to refrain to avoid the risk of fire or electric shock

from slide or vibration. Serious damage may occur if it falls

Slots in this unit are intended for this purpose To prevent this unit from overheating, always make a room for ventilation.

Before cleaning, first unplug this unit from its power outlet A soft and wet cloth is recommended for cleaning exposed surfaces Do not use liquid or aerosol cleaners.

Do not locate power and telephone cord where a person can step or trip on.

do not overload wall circuits and extension cords

To reduce the risk of fire and electric shock

or light of the lamp. Otherwise, the video quality would be whiter than between the videophone and a strong light source such as a direct sunlight should never be lighted back. It would be better that you should not sit capture better images of you. The things captured by the videophone norma Be careful for choosing an appropriate location for the videophone

## . Installation

### Components

videophone, be sure that there is no missing stuffs Following components need to be packed in a set. Before installing the

- Videophone main equipment
- Handset
- Power Cable Power Adapter
- User Manual

### Description



00 Handset

Speaker: play bell sounds or the voice of the other party Speakerphone mode.

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Camera: capture your image PIMS menus not in a call LCD Screen: display the other party and your image during a call and

Keypad: the buttons operating the functions of the videophone Microphone : record your voice during a call

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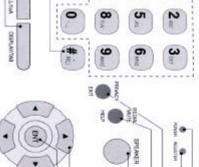
[Keypad]

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Initiate the dial out screen as speakerphone mode

HELP MUTE @ REDIA

 Numeric key DISPLAY @ MUTICALL SMS TAB 1aA Accept the incoming call when you are already in a call Input '\* Input a phone number at dialing display mode Move among the URL links and URL input Change the display mode during a call. Select the sort of fonts when input characters in multi calls. window on the browser screen. Switch between the multi calls Hang up the current call when you are participated Send a short message during a call (numeric/ lowercase/capital) Reject the incoming call Input a character to make a sentence on PIMS menu. 24p 26p 26p 23p 26p 17p 19p 180

\*

Arrow Key

⊕ ENT

Book and Call Log of PIMS menu. Enter into the edit mode of each item within Phone Select the setting value in each item in PIMS menu Control Menus during a call.

Move between the PIMS menus while not in a call or

Hang up the call at the speakerphone mode Set or cancel the speakerphone mode during a call

Make a call actually after finishing input of the Save the control values after modifying the setting in Enter to the PIMS menu while not in a call destination address. 160

Indicates whether videophone is registered to the Indicates whether videophone is turned on or off. Move to the submenus when using mail functions

40p

① POWER ② REGISTER

(I) PRIVACY

Stop to transmitting the video data during a call. VoIP Server (Gatekeeper) or not. 8 190

Move to the previous menu of Personal Information

Show the tips for handling the PIMS menus. Pause the voice exchange and play music sound Dial again to the destination you've called just before. Management System (PIMS) menu or Control Menu. 16p 26p 26p

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 Power Switch: Turn on and off the video phone POWER Connector: Plug the exclusive power supply

- VIDEO OUT: Connect to the external display AUDIO IN: Connect to the external microphone O VIDEO IN: Connect to the external video camera
- Network port (INT): Plug the network cable (RJ45) directly AUDIO OUT: Connect to the external speaker

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[Rear view]

cable into a wall outlet. adapter and plug the other end of the

Plug the exclusive power supply to POWER connector on the Videophone







Connect the power cable to the power

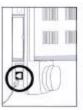
Plug the handset into the jack on the left

side of the videophone.

For the best result, carefully follow the installation procedure

Installation

Plug a network cable into the jack labeled INT on the back of the Videophone.





Set the network configuration in PIMS

access the Internet. To get an instruction

menu according to your environment to

for network setting,

refer to 'IP Configuration (7p)'





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## IP Configuration

connecting to the Internet, the way of accessing to Internet Videophone provides the video communication through Internet. Before must be

using ▲▼ and press 'ENT'. Press 'ENT' to bring up the Personal Information Management System (PIMS) menu. Move to 'IP' menu by using ◀ ▶. Select 'Default Setting' by



connection method is classified into 4 categories - LAN, ADSL, Cable configure your network environment appropriately. Network, Private Network, Please, refer to the corresponding category to Videophone supports various ways to access to the Internet. The

Internet cable into the jack labeled as INT, turn on the power switch configuration in PIMS menu and turn off the videophone. After plug the NOTE At first time to turn on the videophone, set the default network

## dynamically whenever the videophone turns on. In each case, do as following router should be plugged into the network jack of the videophone directly. IP step. The character input method is described in [Chapter Input a sentence (24p)] address of the videophone can be assigned statically, or can be assigned

Select 'LAN(Static IP)' using ▲▶ Setting the static IP address Type menu.

- Fill out other information such as Input the static IP address in 'IP Addr 'Sub. Mask', 'Gateway', 'DNS Addr'
- appeared. Press 'YES' to apply the When exiting this menu by press 'EXIT', the following dialog box is network administrator. These information will be given by the

IP setting has been recontigured

1.106.962.000

 Select 'LAN(Dynamic IP)' using Setting the dynamic IP address in 'Type' menu. \$

new network configuration.

- When exiting this menu by press is appeared EXIT, then the following dialog box
- · Press 'YES' to apply the new network configuration

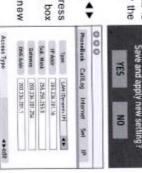
the given values from DHCP server. applying this configuration, those fields shows you cannot modify these fields arbitrarily, After the following items become read-only mode that When the 'Type' is set as 'LAN(Dynamic IP)'

setting has been recontigured

Save and apply new setting?

YES

8



is that the network packets between videophone will be blocked by the firewall. For system, Vizufon-4000i could have difficulties. with the firewall system because of the security. In the LAN within the firewall more detail information, visit our homepage (www.vizufon.com) videophone to inner videophone of the firewall could not be established. The reason firewall have no problem to communicate each other but calling NOTE These days, the intranet such as an enterprise environment tends to be That is, the videophones within the from outer

When connecting the videophone to LAN, the network cable coming from a Connecting to LAN

2. PhoneBook CallLog LAN (State: IP) 0.002.002.002 202/21/2011 internet 5

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or more minutes

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## Connecting to ADSL

the videophone with the network cable (RJ45 UTP cable) as shown. is needed. Connect the ADSL modem and the network jack on the back of the When the videophone is to be connected to ADSL, the external ADSL modern



Facsimile or Telephone

to input a character(24p)] admission when using ADSL. The character input method is described in [How After doing this, you have to input the user identifier and password to get an

Select 'ADSL' by using ▲ in Type' 000

PhoseBook Calling

£

appeared.

configuration

information

 When going out of this menu by press Press ▼ to move down by using and 'EXIT', the following dialog box is in 'USER' and 'Password' field. fill out the authentication information

appeared.

configuration.



Save and apply new setting?

YES No

have to set the LAN (Static IP) as network type NOTE Since reregistering to ADSL network takes time while processing NOTE In case of issuing the static IP address from ADSL server, you

the sudden cancellation before, it would be like to reboot the system after 5

input a character(24p)] address (MAC address) attached to the packets. In this case, the MAC address of the videophone has to be changed into the registered MAC address for you before. The character input method is described in [How to the network device can filter out the network packets based on the hardware For some cable networks, you might need to be authenticated. For example

	4		
	PhaseBack Cal	Calling Interest Set	Set IP
em select 'VES' by			
on, seron the of	Teres	Cuttle Missen	*
	MAC CHARGE	763	•
down and fill out the	Liber MAE	31000000000000	
address as the			

 In 'MAC change' it Press ▼ to move using .

Type' menu.

admissible MAC

hexadecimal forma

Select 'Cable Mode

videophone with the network cable (RJ45 UTP cable) as shown. Connect the Cable modern and the network jack on the back of the the Connecting to Cable Network





Type menu.

· Let the 'MAC change' items be 'NO' When going out of this menu by press to register with a predetermined unless the cable network recommends 'EXIT', the following dialog box is PhoneBook MAC Charge Syr. Califog

Press 'YES' to apply the new network IP setting has been recontigured Save and apply new setting? YES NO

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> When going out of this menu by press appeared. 'EXIT', then the following dialog box is

Press 'YES' to apply the new network

configuration.

IP setting has been recontigured Save and apply new setting YES 8

lack of IP address

Nowadays, the rapid increase of the Internet access devices cause the

Connecting to the private network

time. Therefore, you have to turn off videophone while using PC. address, PC and the videophone cannot access to the Internet at the same NOTE It could take time to discover the DHCP server of the cable NOTE If you change the MAC address of videophone into the MAC

admission for the network.

network. In that case, please wait for finishing the procedure to get an

configuring LAN environment. When installing the videophone in a private, network, do the same way as device that allows several devices can share one static IP address

widely popular. The private network is established with an IP

sharing

In order to overcome this problem, the private network has become

Internet ADSL / Cable Modem

Magic IP

Set-Top Box

Videophone

Setting the static IP address

PhonsBack

Cattleg

581

DAN STATISTIFT Internet

Sub Mark 200,751,755 F

INS.A66 200.204.201.1 Settlesery 2012/36/2012/s Input the static IP address in 'IP Select 'LAN (Static IP)' using Type menu. **‡** 5

 Fill out the information such as 'Sub When going out of this menu by press information will be given by the Mask', 'Gateway', 'DNS Addr', These network administrator.

'EXIT', the following dialog box is P setting has been reconfigured Save and apply new setting YES 8

Press 'YES' to apply the new network configuration appeared.

Setting the dynamic IP address

Select 'LAN (Dynamic IP)' using ◀▶ in 'Type' menu

 When going cut of this menu by press 'EXIT', then the following dialog box is appeared.

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> given values from DHCP server. these fields arbitrarily, after applying this configuration, those fields shows the read-only state that you cannot modify (Dynamic IP)', the lower items become When the 'Type' is set as 'LAN

Press 'YES' to apply the new network

000

configuration.

PhoneBook CallLog 187.962.802 200,234,101,754 Internet £

IP setting has been recontigured Save and apply new setting? YES S

Setting Proxy Server

case, the configuration of the IP sharing device shall be set as our that completes the interoperability testing with the videophone. Even in this under the private network consisted with the IP sharing device (NAT router) recommendation. Videophone can support VoIP service

Enter into the 'Advanced Setting' of 'IP' menu by using the arrow keys. 000 PhonoBook CallLog

Internet

1

Move down to the 'Proxy' menu and input the public IP address of the IP When exiting this menu by press sharing device (NAT Router). appeared. 'EXIT', the following dialog box is

P selting has been recontigured. Save and apply new setting? YES NO

Press 'YES' to apply the new network

configuration

from the inner VoIP phone, the incoming media streams could be lost. VoIP phone to inner VoIP phone. Also, even in case of the outgoing call is not exposed on the external network, it is impossible calling from outer network. At first, since the IP address of VoIP phone in the private network addition, when preparing the VoIP service in private network, the NOTE It is so difficult to support the VoIP service under the private with the videophone will be provided at www.vizufon.com

The information of the IP sharing devices finishing the interoperability test

configuration of the Internet device such as Router might be adapted

correspondently. You can get more detail information

NOTE The videophones within a private network are strongly unique identifier of the VoIP phone into the IP address of it. Refer to the following chapter to get detail information on Gatekeeper recommended to be served by Gatekeeper. Gatekeeper can resolve the

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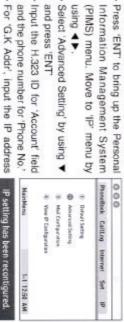
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# Setting Gatekeeper Service

a dynamic IP address can call each other with their unique identifiers as controls and manages the H.323 endpoints such as IP Phone, an essential component for VoIP service solution can provide the call information useful for billing system. The Gatekeeper is long as they are under the same Gatekeeper zone. Besides, Gatekeeper the registration and admission control procedure, the H.323 terminals with etc. Since Gatekeeper resolves the IP address of each endpoint through Gatekeeper is one of the components defined in H.323 protocol. It Gateway,

When registering to Gatekeeper, the H.323 ID and Phone Number have to for a VolP Service System. be specified. Therefore, keep these information in mind when subscribing As a H.323 endpoint, the videophone can be controlled by Gatekeeper

 Press 'ENT' to bring up the Personal Input the H.323 ID for 'Account' field Select 'Advanced Setting' by using \ and the phone number for 'Phone No. and press 'ENT' using ▲▼ (PIMS) menu. Move to 'IP' menu by Information Management System





Press 'EXIT' to go out of this menu the following dialog box is appeared. or domain name of the Gatekeeper.

If you want to apply the new setting, press 'YES'

Check if the REGISTER lamp gets to turn on.

check if the all information of 'Advanced Setting' and 'Default Setting' are correct. If it doesn't work after confirming it, please contact to your VolP service provider. means that the videophone cannot register to the Gatekeeper. In this case, NOTE If the REGISTER lamp of the videophone doesn's turn on, it

trying to register to the Gatekeeper and it might cause to degrade the berformance of system. Advanced Setting' must be '0.0.0.0'. Otherwise, the videophone keeps NOTE When you are not to get a VoIP service, the 'G.K addr' field in

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# Using videophone

### Making a Call

There are five ways to make a call in the videophone

Input the Address of destination directly Pick up your handset or press the

Dial the IP address or phone number input method is described in [How to that you want to call. The character SPEAKER!

After you finish dialing, press the input a character(24p)]



'ENT key. You would hear the ring back tone via your handset and see the dialing animation as shown

### Using REDIAL

- Pick up your handset or press the 'SPEAKER'
- Press REDIAL

### Speed Dialing

- Pick up your handset or press the 'SPEAKER'
- Input the hot key for the destination assigned in your Phonebook and press the 'ENT'

# One Click Call from the Phonebook

- While browsing your Phonebook, select to the destination you want call and press 'ENT'.
- NOTE Detail operation is described in [Phonebook(26p)]

# One Click Call from the CallLog

- White browsing your Call Log, select to the destination you want to call
- NOTE Detail operation is described in [Call Log(27p)]

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