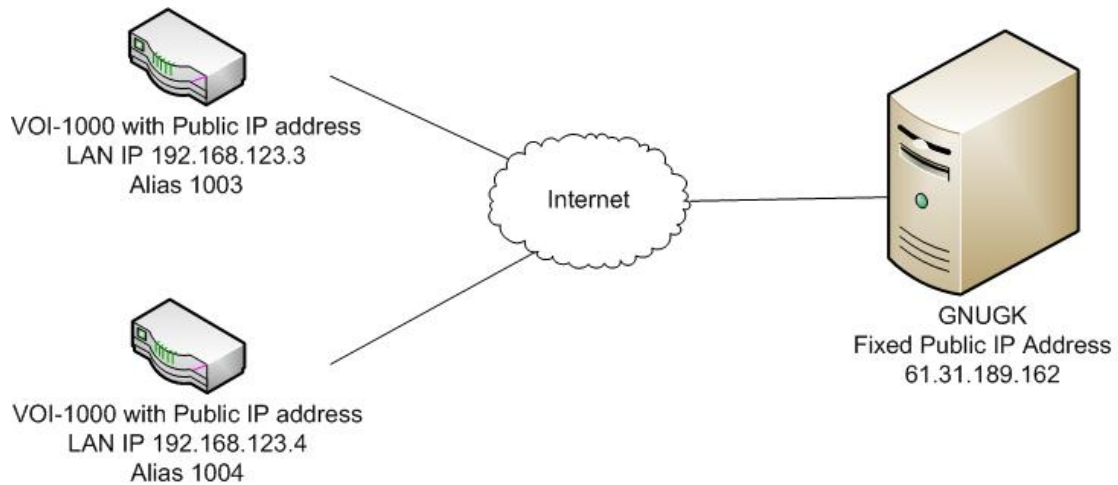



## How to Set up VOI-1000 or 1020 with GNUGK (Gatekeeper) Server?



GNUGK is free software to install on a server and run as a gatekeeper. A gatekeeper will allow the VOI-1000/1020 to register a number. Then you do not need to dial the IP address of remote H.323 VoIP gateway instead dial the number. It makes making VoIP phone call much easier.

1. Please download the GNUGK from <http://www.gnugk.org/h323download.html>



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- Gatekeeper
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**Documentation**

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**Tools & Addons**

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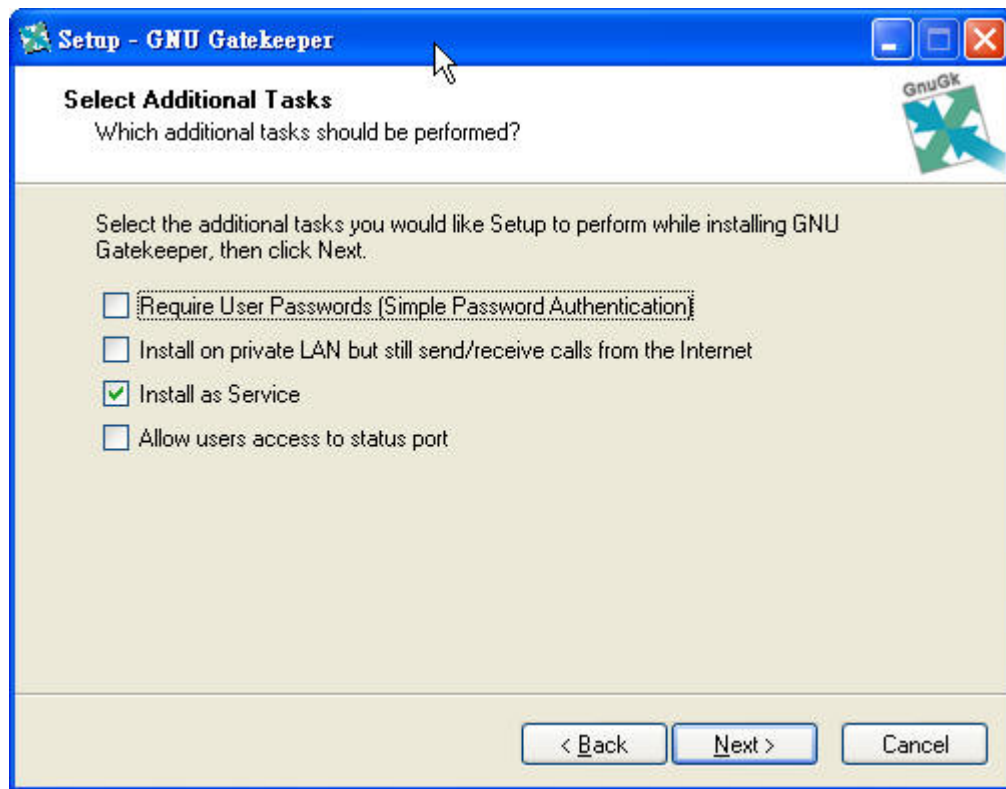
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### GNU Gatekeeper Download

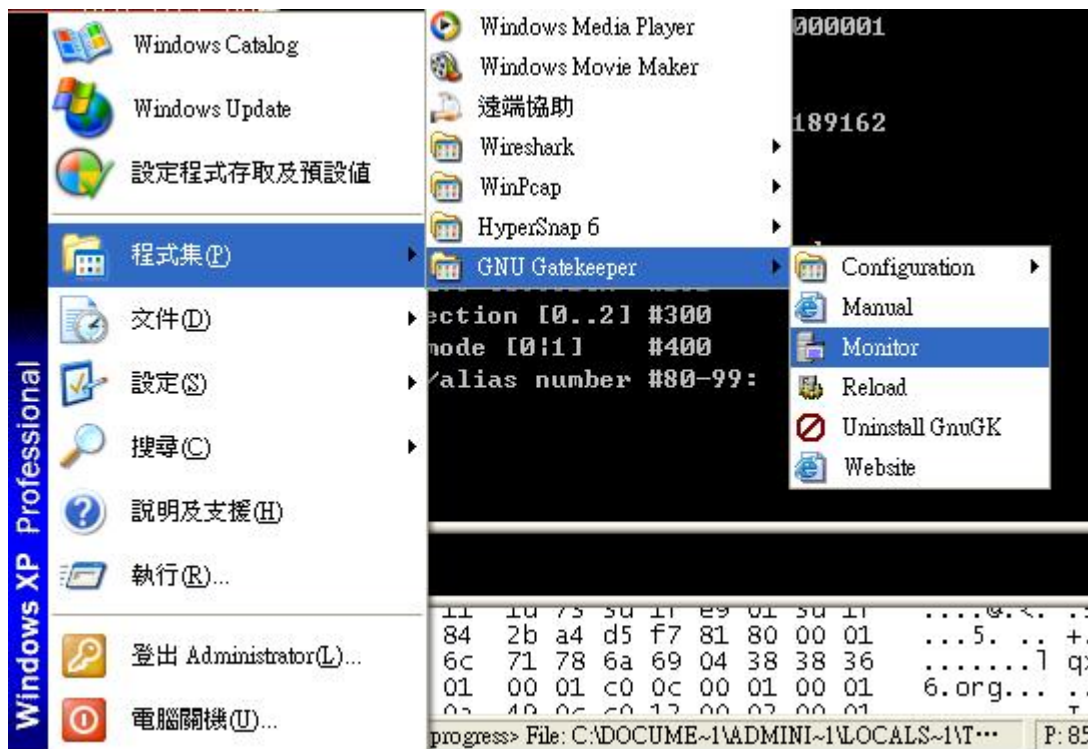
The current stable version is 2.2.6.

GNU Gatekeeper Version 2.2.6	Size	Unix tar archive	Windows ZIP file
Source Code	1.2 MB	<a href="#">Download</a>	<a href="#">Download</a>
English Manual as PDF	420 KB	<a href="#">Download</a>	<a href="#">Download</a>
Spanish Manual as PDF (last updated for GnuGk 2.2.5)	450 KB	<a href="#">Download</a>	<a href="#">Download</a>
French Manual as PDF (last updated for GnuGk 2.2.1)	400 KB	<a href="#">Download</a>	<a href="#">Download</a>
Linux Executable (static, with Radius, with MySQL and PostgreSQL)	6.6 MB	<a href="#">Download</a>	
Windows Executable as ZIP file (static, with Radius, with MySQL and PostgreSQL)	3.5 MB		<a href="#">Download</a>
Windows Executable with XP Installer (static, with Radius, with MySQL and PostgreSQL) not Vista compatible	2 MB		<a href="#">Download</a>
MacOS X PPC Executable (static, with Radius, with MySQL, no PostgreSQL)	3.7 MB	<a href="#">Download</a>	
FreeBSD 6.1 (64 bit) Executable (static, with Radius, no MySQL, no PostgreSQL)	7 MB	<a href="#">Download</a>	

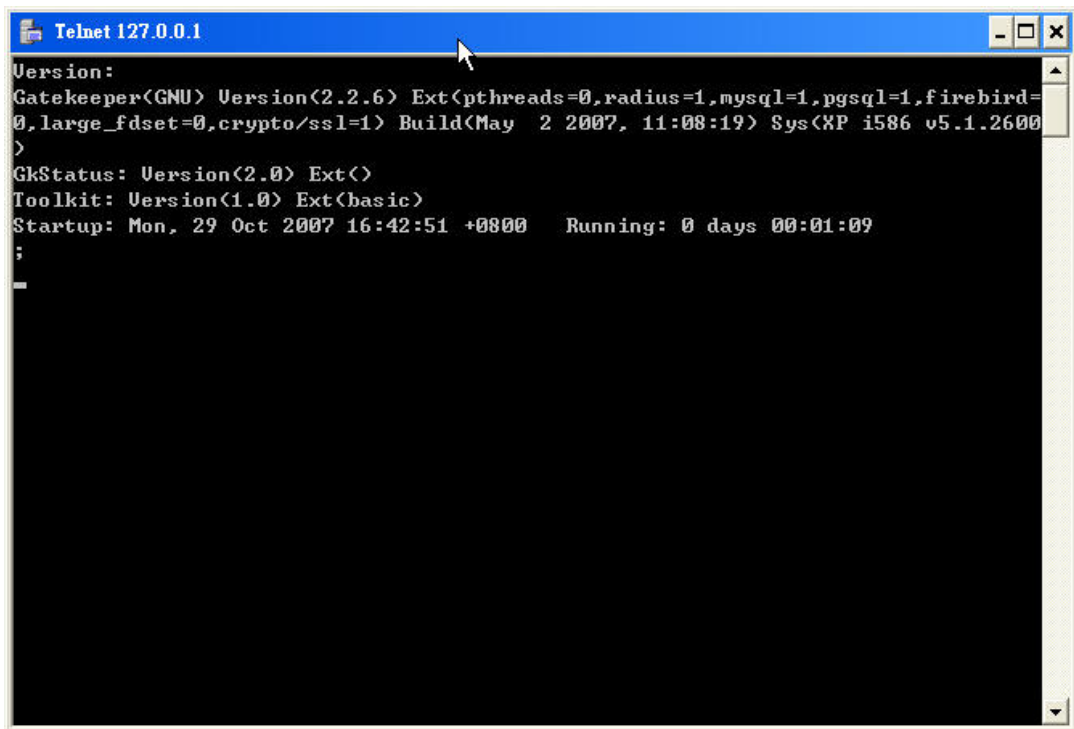
2. Please install GNUGK.
3. Please note during installation, un tick "Require User Passwords".



4. Make sure your GNUGK server is connected to Internet with Public IP address or connected to the DMZ port of a router with Public IP address.
5. Click on the “Monitor”



6. You will see the monitoring screen of GNUGK server. Enter “help” you can see the list of command, “?” for registered End Point.

A screenshot of a Telnet terminal window titled "Telnet 127.0.0.1". The terminal displays the following text:

```
Version:  
Gatekeeper(GNU) Version(2.2.6) Ext(pthread=0,radius=1,mysql=1,pgsql=1,firebird=  
0,large_fdset=0,crypto/ssl=1) Build(May 2 2007, 11:08:19) Sys(XP i586 v5.1.2600  
)  
GkStatus: Version(2.0) Ext()  
Toolkit: Version(1.0) Ext(basic)  
Startup: Mon, 29 Oct 2007 16:42:51 +0800 Running: 0 days 00:01:09  
;  
-
```

7. Configure your VOI-1000. You can refer to the User Manual for telnet and keypad configuration. You will need to configure.

#051 Enable PPPoE

#06 Enter PPPoE User Name

#07 PPPoE password

#201 Enable Gatekeeper mode

#21 Gatekeeper IP address (In this example, 61.31.189.162)

#23 Enter the Alias name you want to show in GNUGK, for easy management.

#24 Enter the number you want to register, any number you can remember. (Here is 1003)

The rest you can keep as default.

```

Telnet 61.31.161.196
firmware version: 007s
hardware address: 00116bc00633/12584499/000012
password #01
volume [0..999] #03820
pppoe [0:1] #051
pppoe username #06ac01436368
pppoe password #071436368
reserved [-] #10
ip address #11192168000003
subnet mask #12255255255000
router ip address #13192168000001
voip port number #141720
gatekeeper mode [0..2] #201
gatekeeper ip address #21061031189162
gatekeeper id [-] #22GnuGk
alias name #23ttt
alias number #241003
endpoint id [-] #258804_endp
time to live [0..32]m #261
codec selection [0..2] #300
hot line mode [0:1] #400
stored ip/alias number #80-99:

OK
>

```

8. Configure your second VOI-1000.

- #051 Enable PPPoE
- #06 Enter PPPoE User Name
- #07 PPPoE password
- #201 Enable Gatekeeper mode
- #21 Gatekeeper IP address (In this example, 61.31.189.162)
- #23 Enter the Alias name you want to show in GNUGK, for easy management.
- #24 Enter the number you want to register, any number you can remember. (Here 1004)

The rest you can keep as default.

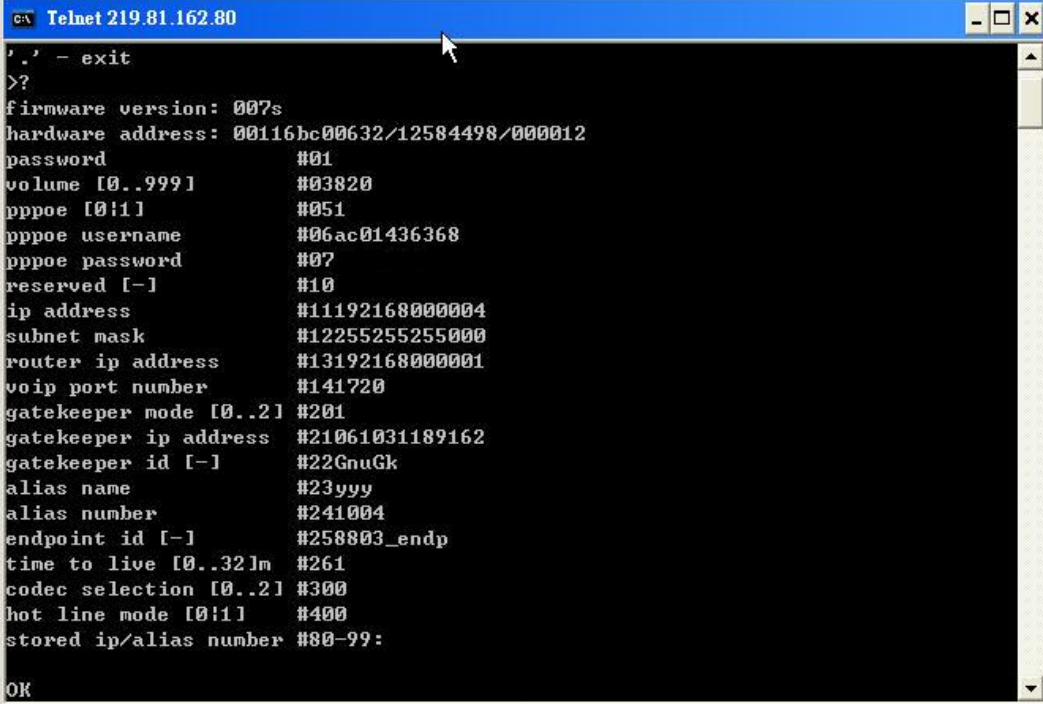
```

Telnet 219.81.162.80
'. ' - exit
>?
firmware version: 007s
hardware address: 00116bc00632/12584498/000012
password #01
volume [0..999] #03820
pppoe [0:1] #051
pppoe username #06ac01436368
pppoe password #07
reserved [-] #10
ip address #11192168000004
subnet mask #12255255255000
router ip address #13192168000001
voip port number #141720
gatekeeper mode [0..2] #201
gatekeeper ip address #21061031189162
gatekeeper id [-] #22GnuGk
alias name #23yyy
alias number #241004
endpoint id [-] #258803_endp
time to live [0..32]m #261
codec selection [0..2] #300
hot line mode [0:1] #400
stored ip/alias number #80-99:

OK

```

9. Connect the VOI-1000 to your ADSL line, power up it will automatically dial PPPoE you had configured.
10. You can now dial 1003 from 1004, 1003 phone will ring. You do not need to remember the IP address of remote party anymore.



```
c:\ Telnet 219.81.162.80
'. ' - exit
>?
firmware version: 007s
hardware address: 00116bc00632/12584498/000012
password #01
volume [0..999] #03820
pppoe [0!1] #051
pppoe username #06ac01436368
pppoe password #07
reserved [-] #10
ip address #11192168000004
subnet mask #12255255255000
router ip address #13192168000001
voip port number #141720
gatekeeper mode [0..2] #201
gatekeeper ip address #21061031189162
gatekeeper id [-] #22GnuGk
alias name #23yyy
alias number #241004
endpoint id [-] #258803_endp
time to live [0..32]m #261
codec selection [0..2] #300
hot line mode [0!1] #400
stored ip/alias number #80-99:
OK
```