

설정방법

1. 장치 연결

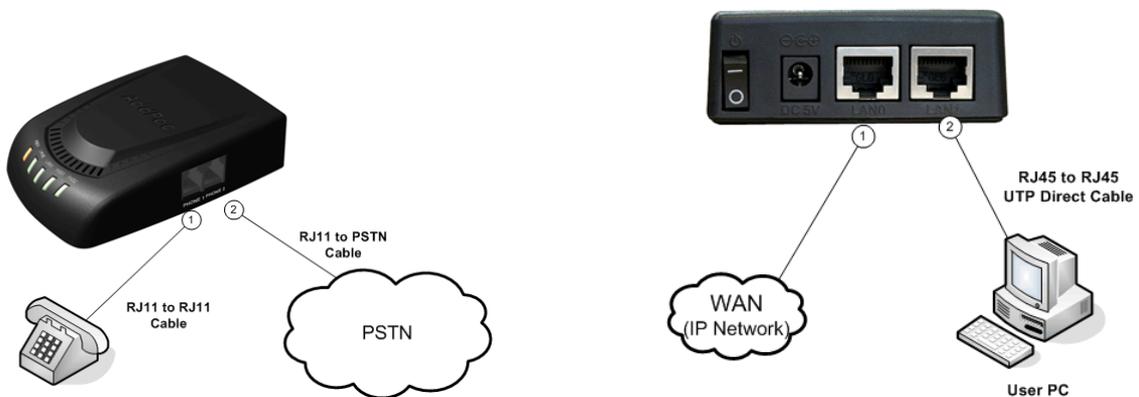


(1) : 왼쪽포트에 PSTN으로 전화나 FAX와 연결

(3) : 전원연결

(4) : WAN과 연결(들어오는 인터넷라인과 연결)

(5) : 초기설정시 (5)번포트에 연결된 PC를 통해 웹에 접속하고 설정을 변경할 수 있다.



위의 상태로 연결을 완료한 상태에서 다음으로 설정으로 넘어간다.

2. 웹 설정

(1) (5)번포트와 연결된 PC의 IP주소를 192.168.10.XX로 변경한다. (DHCP로는 IP잡히지 않으니 Static으로 IP주소 설정해 주어야함)

(2) 192.168.10.1로 웹에 연결

- PASSWD : sdsap100

(2) Network 메뉴로 들어가서 AP100의 IP주소를 변경한다.

- WAN Setup : 사무실로 들어오는 IP주소 대역으로 IP를 설정해준다.

The screenshot shows the 'WAN Setup' configuration page in the AddPac web interface. On the left is a navigation menu with icons for System, Network, Speed Dial, VoIP, SIP, MGCP, H.323, Service, Auto Upgrade, and Status. The main content area is titled 'WAN Setup' and contains three radio button options: 'Static IP' (selected), 'PPPoE(ADSL)', and 'DHCP'. The 'Static IP' section includes input fields for IP Address (70.33.33.50), Network Mask (255.255.255.0), Default Router (70.33.33.1), and two DNS Server fields (203.241.135.135 for Primary and 203.24.132.85 for Secondary). The 'PPPoE(ADSL)' section has fields for Username and Password, and radio buttons for Authentication: None (No Authentication), PAP (PPP Authentication Protocol), and CHAP (Challenge Handshake Authentication Protocol). The 'DHCP' section has checkboxes for 'Enable Auto Renew' and 'Use Unicast', and a field for 'Maximum renew time' in seconds.

The screenshot shows the 'LAN Setup' configuration page in the AddPac web interface. The left navigation menu is the same as in the WAN Setup page. The main content area is titled 'LAN Setup' and has three radio button options: 'None', 'Bridge', and 'IP Share (IP Connect)' (selected). The 'IP Share (IP Connect)' section includes input fields for IP Address (192.168.10.1), Network Mask (255.255.255.0), and DNS Server. There is also a checkbox for 'Enable DHCP Server' and a field for 'Default Lease time' in seconds. An 'Update' button is located at the bottom of the configuration area.

(3) AP100의 세부 정보(ap100에 연결된 단말(전화, Fax)에서 사용할 번호, 서버정보 등)

The screenshot shows the 'VoIP' configuration page in the AddPac web interface. The left navigation menu is the same as in the previous screenshots. The main content area is titled 'VoIP' and has three radio button options: 'SIP (Session Initiation Protocol)' (selected), 'MGCP (Media Gateway Control Protocol)', and 'H.323 (ITU H.323 Protocol)'. Below these are input fields for 'Phone number' (07070153914) and 'Area Code' (optional). There are four dropdown menus for 'Preferred voice codec', each showing 'g729 : G729 Codec Type(8 kbps)'.

MGCP
H.323
Service
Auto Upgrade
Status

PSTN Port Configuration. Please check VoIP device and set PSTN port is exist.

PSTN enable Yes No

PSTN switch digit # + hook flash not assigned digit(max:3):

Switch to PSTN hook flash none

Switch to VoIP hook flash none

Busyout monitor callagent(Monitor the mgc binding)
 gatekeeper(Monitor the gatekeeper binding)
 SIP Server(Monitor the SIP Server registration)
 voip interface(Monitor the voip interface)

System
Network
Speed Dial
VoIP
SIP
MGCP
H.323
Service
Auto Upgrade
Status

SIP (Session Initiation Protocol)

Primary SIP Server Server address and Port (default 5060)

Secondary SIP Server Server address and Port (default 5060)

SIP Username (SIP userpart of authentication)

SIP Password (SIP password string)

Registration Yes No

Local Domain name (SIP userpart of authentication)

Set Username No Yes (Use username as Phone number)

Set Local Hostname No Yes (Use Local hostname as Domain name)

Use DNS SRV No Yes

Register Expiration (in seconds, default 60, between 10 to 86400)

Local SIP port (default 5060, between 1 to 65535)

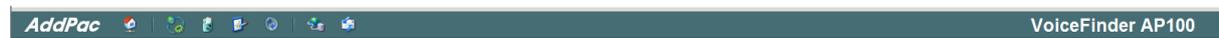
Min-SE (in seconds, default 1800, between 30 to 86400)

Session Expiration (in seconds, default 1800, between 30 to 86400)

3. 변동사항 저장 및 기타 사항

(1) 변동사항 저장

- 변동사항 업데이트 후 메뉴에서 Write 해주어야 단말에 기록이 저장됨/ Reboot



이후 (5)번포트에서 PC를 제거하여도 ap100에 설정된 IP주소로 접속 가능하며 기본적인 설정 변경 완료된 상태이다.

4. 미디어 처리 기능

(1) voice quality

- CNG, VAD 등 서비스품질 관련 옵션은 웹에서 설정 불가능하며 Telnet을 통해서만 설정이 가능
cmd창에서 Telnet 70.33.33.50(ap100 설정된 IP)으로 접속한다.

IP, Passwd를 입력하여 로그인

```
C:\Users\winsub_lee>telnet 70.33.33.50_
Welcome, APOS(tm) Kernel Version 8.41.040.
Copyright (c) 1999-2006 AddPac Technology Co., Ltd.

User Access Verification

Login: root
Password:
AP100> _
```

- 설정 변경 및 저장

VAD

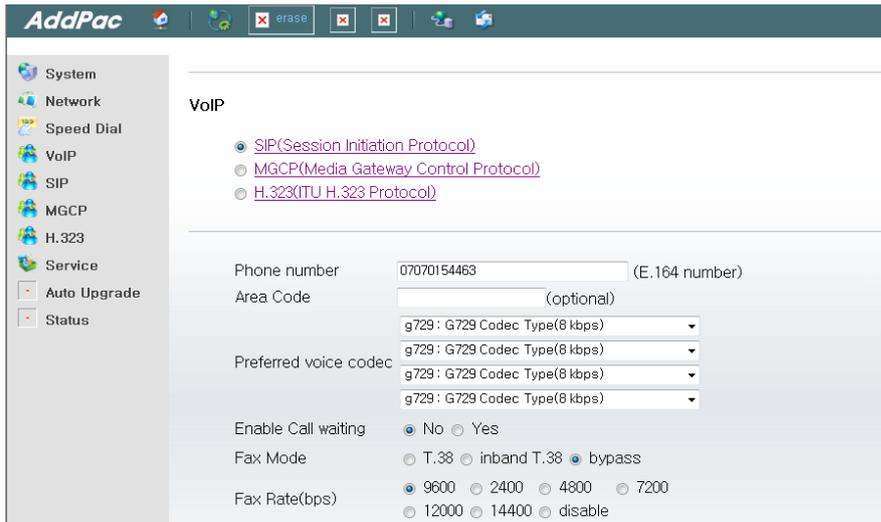
```
AP100> enable
AP100# configure te
AP100# configure terminal
AP100(config)# dia
AP100(config)# dial-peer voice 1000
AP100(config-dialpeer-voip-1000)#
AP100(config-dialpeer-voip-1000)# vad
AP100(config-dialpeer-voip-1000)# write
Proceed with write? [confirmly]
Building configuration...
[OK] Configuration saved to flash:/apos.cfg
```

CNG, Echo-Cancelation

```
AP100(config-dialpeer-voip-1000)# exit
AP100(config)# voice-p
AP100(config)# voice-port 0/0
AP100(config-voice-port-0/0)# com
AP100(config-voice-port-0/0)# comfort-noise
AP100(config-voice-port-0/0)#
AP100(config-voice-port-0/0)# ech
AP100(config-voice-port-0/0)# echo-cancel
AP100(config-voice-port-0/0)# wr
Proceed with write? [confirmly]
Building configuration...
[OK] Configuration saved to flash:/apos.cfg
AP100(config-voice-port-0/0)#
```

(2) FAX 설정

FAX 모드 T.38 or bypass 선택하여 검증



5. 관리기능

(1) FTP를 이용한 이미지 업그레이드

```

AP100(config)#
AP100(config)# ftp s
AP100(config)# ftp server
FTP is already enabled.
AP100(config)#

```

이후 cmd에서 접속

```

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\winsub_lee>ftp 70.33.33.50
70.33.33.50에 연결되었습니다.
220 AP100 FTP server (Version 8.41.040) ready.
사용자(70.33.33.50:(none)): root
331 Password required for root.
암호:
230 User root logged in ok.
ftp> bi
200 Type set to I.
ftp> get gateway.bin
200 PORT command successful.
150 BINARY data connection for gateway.bin (70.33.33.69,1746).
226 BINARY Transfer complete.
ftp: 2.30초 794.50KB/초
ftp> quit
221 Goodbye.

C:\Users\winsub_lee>

```

(2) 콜 로그

Show Call History All 명령으로 통화기록 확인 가능

```
API00#
API00# show call hi
API00# show call history all

CallNum  EventTime      Descript  CallingPartyNum  CalledPartyNum  RemoteInfo          SetupTime  Dur  Reason
-----
< 4> Jan 1 00:00:22  outgoing  07070154463     07070154469  sip:07070154469@123.32.7.69:123.32.7.69  0 Local:CallClear
< 3> Jan 1 00:00:14  incoming  4469           07070154463  Ahyang Test:123.32.7.69  0 Remote:CallClear
< 2> Jan 1 00:00:07  local     07070154463     :             : 0 Local:CallClear
< 1> Jan 1 00:00:04  local     07070154463     :             : 0 Local:CallClear
API00#
```

단말 기술지원

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