



AG188 VoIP Gateway

Quick Start Guide

1. Introduction

Thank you for purchasing AG188 VoIP Gateway box. This Quick Start Guide provides simple instructions for installing and connecting the AG188 VoIP Gateway on your network.

To learn more about detailed information about AG188 VoIP Gateway, please read the user manual which comes with the package.

1.1 Overview

AG188 VoIP Gateway is an Internet based voice over IP (VoIP) terminal that directly converting analogue handset voice signal into IP data packet for Internet transport, thus effectively using the existing broadband Internet connection such ADSL, Cable and Wireless to provide regular telephone (PSTN) quality voice via Internet.

AG188 has pre-set with Waytec SIP VoIP Service, and bundled with \$5 worth credit. The account detail is printed on the bottom side of the box. When the gateway is set up to your network successfully, you can make the VoIP call immediately.

Key Features

- Support two sip servers running at the same time.
- Redundancy sip server capable.
- NAT, Firewall, DHCP client and server.
- Support PPPoE, (used for ADSL, cable modem connecting).
- Support major G7.xxx CODEC.
- VAD,CNG.
- G.165 compliant 16ms echo cancellation
- E.164 dial plan and customized dial rules Hotline.
- Call Forward, Call Transfer, 3-way conference calls, Call ID display

System Requirements

- Broadband Internet connection (ADSL, Cable or Wireless).
- Broadband Modem/Router with one free Ethernet Port (RJ45).
- Broadband Modem/Router has been set up as DHCP server. **(Most of the Modem/Router default setting is DHCP Server)**
- One Regular cord or cordless handset
- Computer comes Ethernet Port (RJ45) and installed with Microsoft Internet Explorer **(for Set up only, No need for computer when make/receive calls)**

Note: You acknowledge and understand that the VoIP Device and VoIP Service do **NOT** support emergency 000 dialling (in Australia) or access to emergency services in your local country. The VoIP Devices do not function in the event of power failure, or in the event of outage or termination of your VOIP Service provider (VSP) or Internet Service Provider ("ISP").

1.2 What is in the package

When you receive your AG188 VoIP Gateway, make sure that your package contains:

- One set of AG188 VoIP Gateway



- One Power Adaptor & One Ethernet Cable



- User manual CD



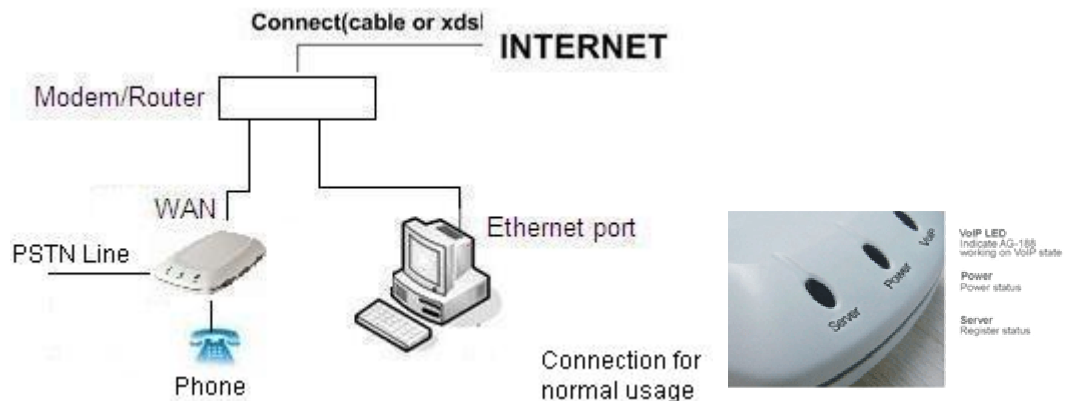
- Lifeline Accessory



2. Quick Start

2.1 Hardware Installation

- Plug in the Lifeline accessory to the “Port” of AG188 Gateway, Connect your phone handset and phone line to the Lifeline Accessory. Handset to the Phone port and phone line from the wall jack to the Line Port of Lifeline Accessory.
- Connect Broadband Modem / Router Ethernet Port to AG188 VoIP Gateway WAN port with Ethernet Cable.
- Plug in the Power Adaptor to power socket on AG188 VoIP Gateway.
- Power on the Gateway, The Power LED light on, When the Server LED become light on, you are ready to make call.



2.2 How to make calls

Make a call

Make calls to regular phone within Australia -- Just using numeric keypad on handset to dial out directly, the dial plan is as follows: Area Code + Phone number.

Ex: Make a call to Sydney Australia 96303339, please dial " 0296303339". Call to Australian Mobile phone 0411 123456 please dial "0411 123456".

Make calls to regular phone in overseas -- Just using numeric keypad on handset to dial out directly, the dial plan is as follows: 0011 + Country Code + Area Code + Phone number.

Ex: Make a call to Shanghai China 96303339, please dial " 0011862196303339". Call to China Mobile phone 1350xxxxxxx please dial "0011861350xxxxxxx ".

Call records

Visit www.waytec.com.au My account -> Call list, Login as SIP No. 17772xxxxx and your Password. **Your SIP No. and Password is printed on the bottom side of the device.**

Top up the account

Visit www.waytec.com.au My account -> Re-charge, for top up the account balance.

3. Set up to other VoIP Service Provider

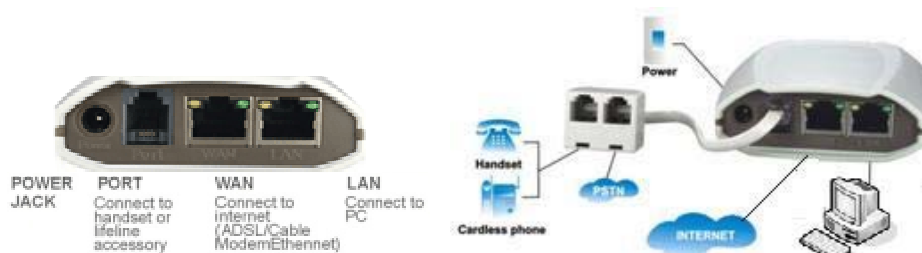
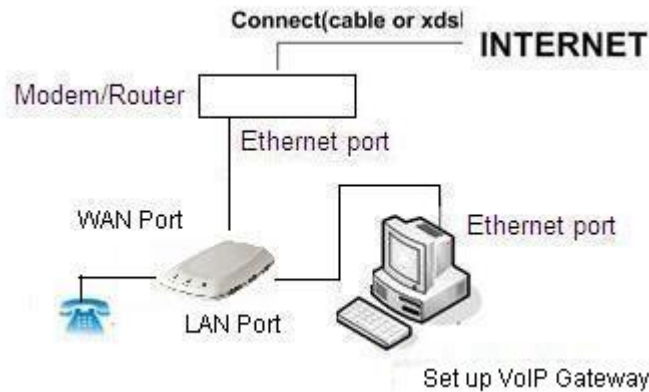
The AG188 is compatible with standard SIP protocol, working with most Internet Telephony Service Providers (ITSP). The Phone is not locked-in with Waytec SIP VoIP, follow the user manual, you can configure the phone to work with other ITSP.

** You must choose an Internet (VoIP) Phone Service Plan and sign up for service. VoIP phone plans, rates, and features may vary depending on VoIP Phone Service Provider.*

3.1 Hardware Installation

- Plug in the Lifeline accessory to the “Port” of AG188 Gateway, Connect your phone handset and phone line to the Lifeline Accessory. Handset to the Phone port and phone line from the wall jack to the Line Port of Lifeline Accessory.
- Connect your computer Ethernet port to AG188 VoIP Gateway LAN port with Ethernet cable.

- Connect Broadband Modem / Router Ethernet Port to AG188 VoIP Gateway WAN port with Ethernet Cable.
- Plug in the Power Adaptor to power socket on AG188 VoIP Gateway.



3.2 Open Set up Page from Browser

- Set your computer using Obtain an IP address automatically on Local Area Connection properties-Internet protocol TCP/IP.
- Restart your computer, Open Internet Explorer, Browse address <http://192.168.10.1>,
- You will have the IP phone set up screen, Click any option, you will be required to Logon, the default username and password is [admin/admin](#) for administrator and [guest/guest](#) for guest.

3.3 Set up with your SIP VoIP Service Provider

Before start, you must choose an Internet (VoIP) Telephony Service Provider, sign up for service and get the SIP account detail from your service provider such as username, password, SIP server Address, SIP phone No. (normally it is same with

3.4 Example setting for the popular VoIP Service Providers

Example setting for engin

The screenshot shows the IP Phone configuration interface for Engin. The page title is "IP Phone" and the sub-section is "SIP[Registered] Configuration". The configuration table is as follows:

Register Server Addr	byo.engin.com.au	Proxy Server Addr	
Register Server Port	5060	Proxy Server Port	
Register Username	0282068943	Proxy Username	
Register Password	*****	Proxy Password	
Domain Realm	byo.engin.com.au	Local SIP Port	5060
Phone Number	0282068943	Register Expire Time	60 seconds
Detect Interval Time	600 seconds	User Agent	Voip Phone 1.0
Encrypt Key		Server Type	common
DTMF Mode	DTMF_RFC2833	RFC Protocol Edition	RFC3261
<input checked="" type="checkbox"/> Enable Register		<input type="checkbox"/> Auto Detect Server	
<input checked="" type="checkbox"/> Enable Pub Outbound Proxy		<input type="checkbox"/> Server Auto Swap	

An "Apply" button is located at the bottom of the configuration table.

Example setting for Freshtel

The screenshot shows the IP Phone configuration interface for Freshtel. The page title is "IP Phone" and the sub-section is "SIP[Registered] Configuration". The configuration table is as follows:

Register Server Addr	sip.freshtel.net	Proxy Server Addr	
Register Server Port	5060	Proxy Server Port	
Register Username	83332187	Proxy Username	
Register Password	*****	Proxy Password	
Domain Realm	sip.freshtel.net	Local SIP Port	5060
Phone Number	83332187	Register Expire Time	60 seconds
Detect Interval Time	600 seconds	User Agent	Voip Phone 1.0
Encrypt Key		Server Type	common
DTMF Mode	DTMF_RFC2833	RFC Protocol Edition	RFC3261
<input checked="" type="checkbox"/> Enable Register		<input type="checkbox"/> Auto Detect Server	
<input checked="" type="checkbox"/> Enable Pub Outbound Proxy		<input type="checkbox"/> Server Auto Swap	

An "Apply" button is located at the bottom of the configuration table.

Example setting for VoipBuster

IP Phone

SIP[Registered] Configuration

Register Server Addr	sip.voipbuster.com	Proxy Server Addr	
Register Server Port	5060	Proxy Server Port	
Register Username	waytec	Proxy Username	
Register Password	*****	Proxy Password	
Domain Realm		Local SIP Port	5060
Phone Number	waytec	Register Expire Time	60 seconds
Detect Interval Time	3600 seconds	User Agent	Voip Phone 1.0
Encrypt Key		Server Type	common
DTMF Mode	DTMF_RELAY	RFC Protocol Edition	RFC3261
<input checked="" type="checkbox"/> Enable Register		<input type="checkbox"/> Auto Detect Server	
<input checked="" type="checkbox"/> Enable Pub Outbound Proxy		<input type="checkbox"/> Server Auto Swap	

Apply

For how to make call, please follow you VOIP Service Provider's Instruction

The all other set up details of the IP Phone, please refer to user manual.

Technical Support for customer within Australia:

E-mail to Technical Support: support@waytec.com.au

Note: Because the performance of VoIP devices may be affected by your levels of use, the levels of use of other users and of facilities related to providing the Internet or VoIP Services, Waytec does not warrant that using the VoIP Devices will be free of blockages, delays or faults of this kind and Waytec will not be responsible for any loss or damage which may result.