

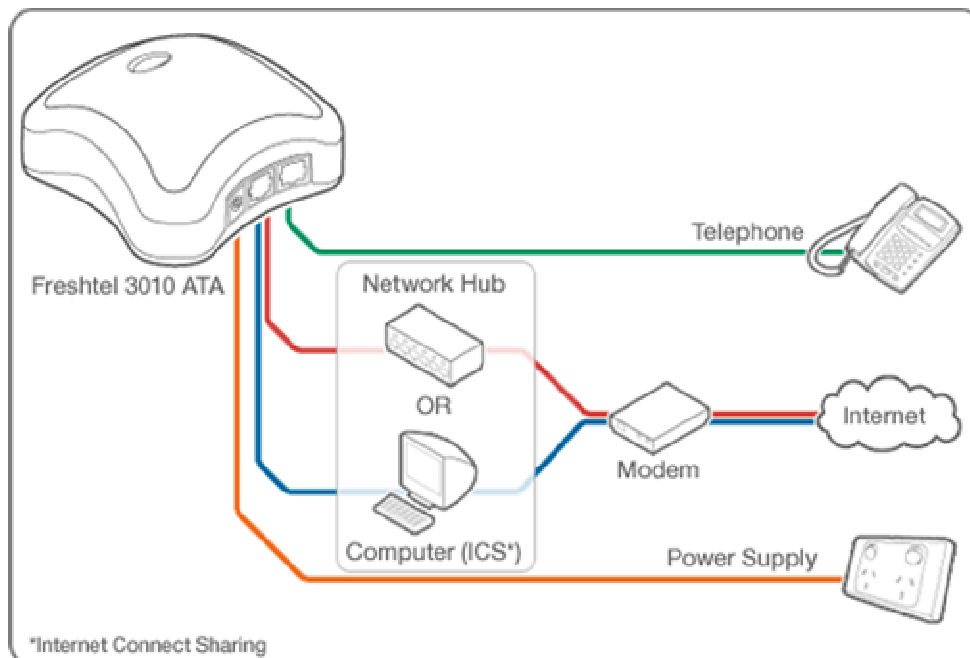
Freshtel 3010

Configuration Instructions



Step 1: Connect the Freshtel 3010 ATA to your Broadband connection and analog telephone handset

Use this illustration of the back of the ATA to connect it to your network.



NOTE: The Freshtel 3010 ATA needs to be connected via Ethernet and comes pre-configured to acquire an IP Address via DHCP.

3010 ATA Indicator Light



When the power is first connected to the ATA, the light will blink **RED** to indicate that the ATA is in the process of starting up. During this time the ATA will not respond.

If the ATA light flashed **RED** quickly, this indicates that a Firmware update is being downloaded. This could take from 30 seconds to 5 minutes to complete.



Once the startup sequence is complete, the light will flash **ORANGE**. This indicates that the ATA cannot connect to the Freshtel network. This happens if the ATA has not yet been configured, or if there is a network problem.



If the ATA light shows as solid **GREEN**, this indicates that the ATA is online and able to make calls.



The ATA light flashes **GREEN** to indicate you have lifted the telephone handset and are in a call, or navigating the ATA voice menu.

Step 2: Verify & Configure your IP Address

First we need to verify that the ATA will acquire an IP Address automatically if your network supports DHCP.

If your network uses a DHCP Server to assign IP Addresses to network devices, or if you are connecting the 3010 ATA to a home router such as a Linksys or Netgear router or a modem that supports DHCP/NAT, please do the following:

1. Connect the ATA as in Step 1, and wait 2 minutes.
2. Pick up the phone connected to the ATA and enter "* * * *".
You will hear a voice prompt saying "Network Configuration Menu: Current Settings. DHCP Enabled".
 - If the voice prompt indicates that DHCP is disabled, then press "2" at the prompt to change the settings.
 - Press "1" to change DHCP to enabled.
 - Unplug and reconnect the power cord on the ATA to reload the settings.
3. The ATA will now read out its IP Address. Write this number down as you will need it later to configure the ATA.

If the IP is 0.0.0.0, your ATA does not have a valid IP address. In this case you need to:

1. Hang up the phone, unplug and reconnect your ATA power cord.
2. Wait 2 minutes, and check the IP again.
3. If you still get 0.0.0.0, there can be three reasons for this:
 - a. Your DHCP Server is not assigning an IP address to the ATA (in which case you should contact your network administrator or ISP for assistance).
 - b. Your network does not have a DHCP server or you have purchased a Static IP Address for the ATA from your ISP. In this case, please proceed to Manually Assigning a Static IP Address below, otherwise skip this step.
 - c. You have connected the ATA with a straight-through Ethernet cable, when you need a cross-over Ethernet cable. This could be the case if you have connected the ATA to a network card in your PC, as opposed to a router, switch or hub.

Manually Assigning a Static IP Address

Members using Static IP on their home network may wish to configure the ATA with a static IP. If you have obtained a static IP from your Internet Service Provider (ISP) and wish to configure your adaptor with your static IP settings, please follow the instructions below:

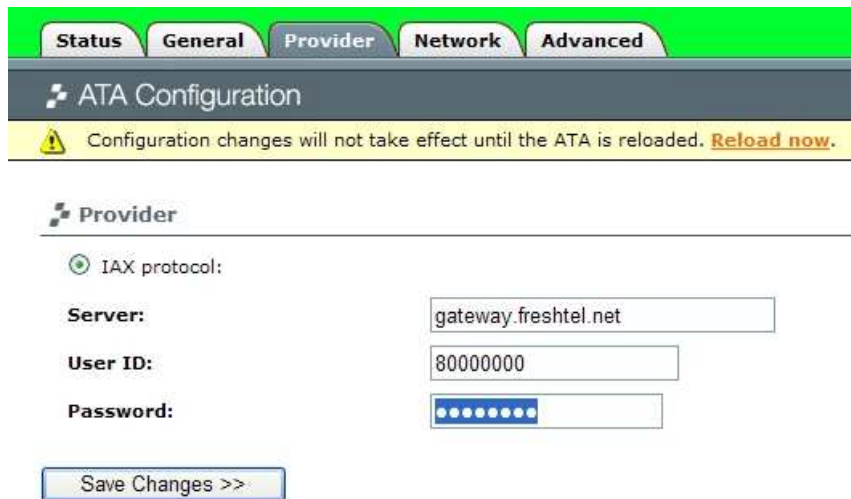
1. You will first have to obtain the following information:
 - IP Address • Default Gateway • Subnet Mask.
 If you are using a router, please contact your router manufacturer for instructions for retrieving this information from the router directly. If you are not using a router, please obtain the above information from your ISP.
2. Pick up the telephone receiver of the phone connected to the ATA, and dial “* * * *”. You will hear a voice prompt saying " Network Configuration Menu: Current Settings: DCHP Enabled.", and the current settings will be read out. Once completed, press “2” to change settings.
3. Press “1” to disable DHCP. Disconnect then reconnect the ATA power cord to load the new settings.
4. Pick up the telephone receiver of the phone connected to the ATA, and dial “* * * *”. You will hear a voice prompt saying " Network Configuration Menu: Current Settings: DCHP Disabled.", and the current settings will be read out. Once completed, press “2” to change settings.
5. Press “2” again to edit the IP Address settings.
6. Enter your IP Address followed by # (i.e. 1 2 3 * 4 5 * 6 7 * 8 9 # to represent the IP 123.45.67.89).
7. Enter your Subnet Mask (i.e. 1 2 3 * 4 5 * 6 7 * 8 9 # to represent the Gateway 123.45.67.89).
8. Enter your Default Gateway (i.e. 2 5 5 * 2 5 5 * 2 5 5 * 0 # to represent Subnet Mask 255.255.255.0).
9. You will now need to unplug then reconnect the ATA power cord to reset the device.

You have now completed the static IP configuration.

To verify the configuration was correct, please pick up the telephone receiver on the phone connected to the ATA, and dial “* * * *” to hear the ATA read back the IP address that you have configured. If the IP read out is not the same as what you have entered in, please repeat steps 1 through 10 once again to ensure the settings.

Step 3: Configure the 3010 ATA to connect to the Firefly Network

1. Open your configuration page. To do so, type the following into your web browser: <http://xxx.xxx.xxx.xxx/>
2. ("xxx.xxx.xxx.xxx" represents the IP address of your ATA)
3. The ATA will prompt you for a username and password before you can log in. By default these are both set to "admin".
4. Click on the **Provider** tab
5. In the text box marked **Server** enter the following address: gateway.freshtel.net
6. In the text box marked **User ID** enter your Firefly number.
7. In the text box marked **Password** enter your Firefly password.
8. Click on the **Save Changes >>** button to continue.
9. You will now need to reload the ATA by clicking on the [Reload Now](#) link at the top of the screen.



The screenshot shows the 'ATA Configuration' web interface. At the top, there are five tabs: 'Status', 'General', 'Provider', 'Network', and 'Advanced'. The 'Provider' tab is selected. Below the tabs, there is a warning message: 'Configuration changes will not take effect until the ATA is reloaded. [Reload now.](#)'

The 'Provider' section contains the following fields:

- IAX protocol:** A radio button is selected.
- Server:** A text box containing 'gateway.freshtel.net'.
- User ID:** A text box containing '80000000'.
- Password:** A text box with a masked password represented by blue dots.

At the bottom of the form, there is a button labeled 'Save Changes >>'.

After the 3010 ATA has reloaded, it will attempt to connect to your Internet phone call provider. If it connects successfully, the light on the ATA will be solid **GREEN** and you can now begin making calls. If the light continues to flash **ORANGE**, please ensure that you entered the correct server name, user name and password in the administrator interface.

Dialing:

To dial a PSTN number, dial like you would with a normal phone. E.g. 6139000000

To dial a Firefly number or voicemail, prefix a star to the number. E.g. *80001234, *123

General Settings:

The General Settings tab allows you to modify some settings of the Freshtel ATA.

Volume Control

Transmit Gain:

Receive Gain:

Regional Settings

Progress Tones:

Impedance:

Date & Time

Current Date: ,

Current Time: : :

Time zone:

Configuration Interface

Access Control: Permit access only from computers on the local network

New Password:

Confirm Password:

Volume Control: These settings affect the volume of the speaker and microphone on your phone handset. If the volume is too soft or too loud you can fine tune it by modifying these values.

Regional Settings: Progress Tones changes the tones the ATA provides for dial tone, ringing and engaged calls. Impedance affects the quality of the phone line, and incorrect settings may cause a slight echo to be heard during calls. This should be set according to location.

Date & Time: Set the current day, month and year as well as the time and time zone relative to Greenwich Mean Time, sometimes also called Universal Time Coordinated.

Configuration Interface: Access Control allows you to grant access to the wider Internet, or only to computers on your local network. You can change the administrator's password by typing a new password and then again in the confirmation box.

Network Settings:

The Network Settings tab allows you to alter network related settings.

IP Networking

Obtain IP configuration automatically

Use the following IP configuration:

IP address:

Subnet mask:

Default gateway:

DNS Server

Obtain DNS server address automatically

Use the following DNS server address:

DNS server:

NTP Server

Obtain NTP server address automatically

Use the following NTP server address:

NTP server:

IP QoS

Type of Service

Value:

DiffServ

Codepoint:

Connection Speed

Connection type:

IP Networking: Choose to either obtain an automatic IP address for the 3010 ATA using DHCP, or specify settings manually.

DNS Server: Choose to either obtain the Domain Name Server address automatically or specify the address manually.

NTP Server: Choose to either obtain the Network Time Protocol server address automatically or specify the address manually.

IP QoS: If you are using the 3010 ATA with a commercial grade router, you may need to adjust the IP Quality of Service settings to prioritise your voice traffic. This is an advanced option which most people do not need to alter.

Connection Speed: This setting alters the codec used to fit within the available bandwidth. Selecting the wrong network speed can affect your ability to make calls. For best results, leave this set to **56k/Dialup**.

Advanced Settings:

Here you can configure the advanced settings of the ATA.

Automatic Updates

Automatically update firmware when a new version is available

Manually update firmware: [perform manual update now](#)

Automatic Configuration

[Download and install configuration file](#)

Dialplan

Automatic Updates: Choose whether you would like the 3010 ATA to automatically update its system software when a new update is available, or whether you would like to update manually.

Automatic Configuration: Click the label “Download and install configuration file” to download the latest configuration file if you are using the 3010 ATA in a network which has an automatic configuration script available.

Dialplan: You can enter advanced dialling rules in this box. You may already have some rules pre-configured by your Internet call provider. If you require a dialplan to dial certain numbers with the 3010 ATA, please contact your Internet call provider for more information.