# Table of Contents

Logging Into the Business in a Box Base Unit Router ................................................................. 2
Configuration Menu Overview ........................................................................................................ 2
Configuration of the Firewall on the Business in a Box Base Unit Router .................................. 2
  Initial setup .................................................................................................................................. 2
  Port Forwarding ........................................................................................................................... 3
  User Applications ......................................................................................................................... 3
  Static LAN Addresses .................................................................................................................. 3
  Outbound Settings ...................................................................................................................... 3
Configuring IPSec VPN Server on the Business in a Box Base Unit Router ............................... 4
Configuring PPTP VPN Server on the Business in a Box Base Unit Router ............................... 4
Changing the GUI Password on the Business in a Box Base Unit Router .................................. 5
Reviewing the WAN and LAN Status on the Business in a Box Base Unit Router .................. 5
Reviewing the VoIP Port Status on the Business in a Box Base Unit Router ............................ 5
Legal Notice ..................................................................................................................................... 6
Logging Into the Business in a Box Base Unit Router

Log into the Router using a web browser such as Microsoft Internet Explorer, Google Chrome, or Mozilla Firefox.

1. Launch a web browser on your computer and enter the URL assigned to your Router which is normally http://192.168.4.1 (this IP address is the default but may be different on some systems). The login screen is displayed.

2. Enter your username in the field provided: custadmin

3. Enter your password in the field provided: (the default password is the last 6 digits of the devices MAC address as printed on the label on the bottom of the router – use uppercase characters).

4. Click OK. The Home landing page is displayed

Configuration Menu Overview
The configuration Menu on the left side of the screen will show the various options for pages to review or modify.

- Home: Displays basic IP address configuration.
- DHCP Leases: Displays information of devices that have been assigned an IP address by the router.
- Firewall: Configuration of port forwarding and other firewall configuration options.
- IPSec VPN Server: Configuration of IPSec point to point VPN.
- PPTP VPN Server: Configuration of remote access.
- GUI Password: Change the custadmin user login password.
- WAN and LAN Status: Displays status information of WAN and LAN data ports.
- VoIP Status: Displays status information of the Analog and PRI voice ports.

Configuration of the Firewall on the Business in a Box Base Unit Router

Initial setup
Click on Customer Networks sub-menu under the Firewall menu. Here you will define the IP addresses to assign to your Firewall, PPTP Server and IPSec Server as needed. These services
must each have an IP address assigned for each service you wish to enable and use. Once selected, click the Submit button. A popup message will then advise that voice and data services will be interrupted while these changes take place. Select OK to proceed.

Note: If no IP addresses are shown please contact the AT&T Helpdesk and request to have the Business in a Box Firewall enabled.

**Port Forwarding**
Port forwarding allows the user to define ports for applications that can be forwarded from the Internet, through the router firewall and to a device in your network. A common example is a security camera that is required to be viewed remotely. Port forwarding requires you to first choose a device on your network that you wish to forward incoming requests to and is chosen by clicking the Select a System dropdown. Assuming the device needed to port forward to received its DHCP assigned IP address from the router it will be shown in the dropdown. If not, use the Static LAN Addresses option under Firewall menu to first define the Hostname and IP address of the device.

**User Applications**
The second part of port forwarding is defining a User Application. Common applications are pre-defined under the User Applications section. Should you require a specific application not listed then you can create your own User Application on the User Applications sub-menu under the Firewall menu. Once you have defined a custom User Application it will be listed at the bottom of the list in the Port Forwarding screen.

**Static LAN Addresses**
This sub-menu option under the Firewall menu allows devices that do not get their IP address from the routers DHCP server to be recorded by the router for port forwarding purposes. Devices to be used for port forwarding should be defined here with a Hostname and the appropriate IP address.

**Outbound Settings**
This sub-menu option under the Firewall menu allows selection of applications that can be disabled as needed. Once disabled, the firewall will block these applications from being accessed by devices on the network. By default, all these applications are enabled.

Example: On the Port Forwarding screen, first click Select a System and chose the device to port forward to from the dropdown and click the Select button. Then, under Select a Policy, select Selected Applications. Then simply select from the Applications List the application you wish to port forward (either a pre-defined application or one you create using the User Applications sub-menu. Select Submit. The router will then make the requested changes and refresh the screen when complete.
Note: When port forwarding you may have to consult the user manual of the device you want to port forward to. With security cameras, there may be several User Application ports that need to be created in the User Applications sub-menu in order for the cameras to be fully viewable remotely. Please consult the user manual of your device prior to defining User Applications.

Configuring IPSec VPN Server on the Business in a Box Base Unit Router
The IPSec VPN Server allows you to setup point to point IPSec VPN connections between Business in a Box routers at different customer locations. Prior to starting to setup IPsec VPN, ensure you have selected an IP address to assign to the IPSec VPN Server in the customer Networks sub-menu of the Firewall section.

The next step is to enable this functionality on the IPSec VPN Server page by clicking the checkbox to the right of Enable the VPN Module. Once enabled, go to the Add VPN tunnel sub-menu. You will then define the characteristics of your IPSec VPN and fill out the information required to setup the tunnel. This will need to be done on each location that will participate in the IPSec VPN. Normally one site is a host and the remainder of the locations are remotes. The Host site will need to be configured with a separate tunnel for each remote while each remote will normally have one tunnel defined to connect to the host. Once you have defined the IPSec VPN tunnels, select the Submit button at the bottom of the page. The router will then make the requested changes and refresh the screen when complete. Test connectivity between host and remote. Status of the VPN tunnel can be found on the IPSec VPN Server menu page.

Note: The Shared Secret field supports up to 32 characters.

Configuring PPTP VPN Server on the Business in a Box Base Unit Router
The PPTP VPN Server allows for remote access to your network from PC’s, tablets and smart phones. The setup is twofold. First you must setup the router to accept connections by defining users/passwords and secondly you must setup your device that will be used to remotely connect. The remote devices must support PPTP in order to do so. Also, ensure you have selected an IP address to assign to the PPTP VPN Server in the customer Networks sub-menu of the Firewall section.

The first step to enable this functionality is on the PPTP VPN Server page. Click enable PPTP Server checkbox and the PPTP Authentication Mode you wish to use. When finished click the Submit button then click the OK button in the popup message. The router will then make the requested changes and refresh the screen when complete.

Next, enter PPTP Usernames and passwords for each user that will be allowed to remotely access your network. Once a Username and Password is chosen click Add the click the OK button in the popup message. The router will then make the requested changes and refresh the
screen when complete. The new username will then show up below in the PPTP Usernames section. Perform this same step for each user to be added. To delete an added user, select the checkbox next to the name and click the Delete button then click the OK button in the popup message.

Once PPTP users have been defined you should then setup the device(s) that will be used to remotely connect to your network. The IP address to use for PPTP remote access is the IP address you defined in Customer Networks sub-menu of the Firewall. For more information on how to setup your specific devices you may need to consult the devices user manual on how to setup a PPTP connection. Once complete, test your device.

Changing the GUI Password on the Business in a Box Base Unit Router
The default password for your router is the last 6 digits of the MAC address as printed on the bottom of the router. It is suggested that you change the password after you login to the router for the first time. Password rules are shown on the GUI Password screen. Once the new password is entered and confirmed, click the Submit button.

Reviewing the WAN and LAN Status on the Business in a Box Base Unit Router
The WAN Port Status will show the characteristics and status of the WAN connection.

The LAN Ports Status will show the characteristics of any devices directly connected to Ethernet LAN switch ports on the router.

Reviewing the VoIP Port Status on the Business in a Box Base Unit Router
The VoIP Status page will show the characteristics of the connection to the AT&T VoIP network. The SIP Server Reachability should show Reachable and Status of Active on the first line when voice is working properly.

If your service is using Analog connections to the router the Analog Port Status sub-menu will show the status of each line connected to the router. The Status column will show the hook status of the phone and the telephone number assigned to the specific port will display in the last to the right.

If your service is using PRI connection(s) to the router the PRI Port Status sub-menu will show the status of each PRI T1 channels.
Legal Notice

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