BLUE BOX FIREWALL USER MANUALS

Image: Blue Box Firewall Kit

Introduction:

The Blue Box firewall provides an efficient and faster connectivity. It restricts/blocks anonymous data and enables maximum security by establishing safe and reliable connections. A user-friendly app with which user can customize their settings and enjoy the features of Blue Box. We the members of Blue Box firewall believe in customer satisfaction and take care of "Your Security, Everywhere".

- Blue Box firewall provides easy to use application.
- Blue Box firewall easy to use application is available on Play Store and Apple Store.
- Greater device support.
- Once Blue Box firewall is installed, you can connect wirelessly or directly using ethernet cables.
- All you need to do is type mybbf.net in the browser window.
- Default username is bbf
- Default password is "Password" (we recommend you change password)
    - o To change password, go to User screens, click edit and then change password by clicking on Password field.
    - o Click Save

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Package Contents:

BOX - A *(Blue Box Firewall Wi-Fi AC - 1404):*

Contents	Count
V2-SRT Firewall	1
Mounting Plate	1
Screws & posts for mounting plate	4
Screws & drywall anchors for mounting plate	4
Rubber feet	1
V2-SRT Power Supply & Power cord	1
7ft Ethernet cable (blue)	1
7ft Ethernet cable (yellow)	1

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BOX - B *(Blue Box Firewall V2-SRT):*

Contents	Count
AC-1404 Wi-Fi Access Point	1
Mounting Plate	1
Screws & drywall anchors for mounting plate	4
Rubber feet	1
AC-1404 POE Power Adaptor & Power Cord	1
5ft Ethernet Cable (white)	1
7ft Ethernet cable (black)	1

Note: *The serial numbers and model numbers can be found at the back of your devices.*

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BLUE BOX FIREWALL
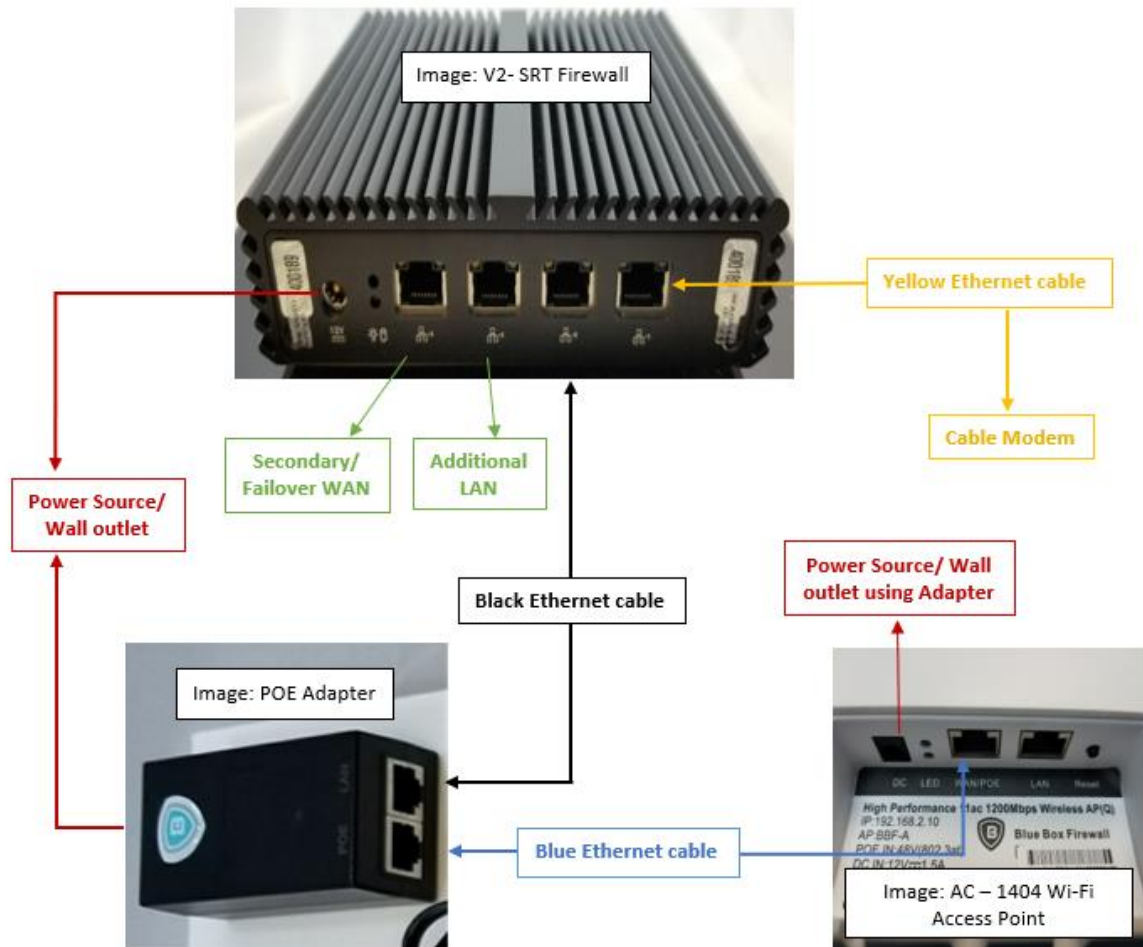*YOUR SECURITY. EVERYWHERE*

Installation (How to connect Blue Box firewall):

<u>Hardware Installation steps:</u>

1. Connect one end of the yellow ethernet cable to slot 1 of firewall
2. Connect the other end of the yellow ethernet cable to your cable modem
3. Connect one end of the blue ethernet cable to POE slot of AC-1404 POE power adapter and power cord
4. Connect the other end to the blue ethernet cable to the WAN/POE slot of Wi-Fi access point(AC-1404)
5. Connect one end of the black ethernet cable to LAN slot of POE adapter.
6. Connect the other end of black ethernet cable to slot 2 of firewall(V2-SRT).
7. Plug in the AC-1404 POE power adapter and power cord to the power source.
8. Connect the V2-SRT power supply & power cord to the firewall(V2-SRT).
9. Connect the other end of V2-SRT power supply & power cord to the power supply.
10. Wait until the light on AC-1404 Wi-Fi access point turns blue.

Note: *The blue color indicates successful network connection.*

Pictorial representation for Hardware Installation

Image: V2- SRT Firewall

Yellow Ethernet cable

Cable Modem

Secondary/ Failover WAN

Additional LAN

Power Source/ Wall outlet

Power Source/ Wall outlet using Adapter

Black Ethernet cable

Image: POE Adapter

Blue Ethernet cable

Image: AC – 1404 Wi-Fi Access Point

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Detecting Network (On device):

Once the hardware installation is done, the next steps required are:

1. Turn on the Wi-Fi in your device and search for the network.
2. User can see four different networks (Wi-Fi).
3. Two of them are Home networks and other two are Guest networks.

Name of the Home Networks (Wi-Fi):

- Home Wi-Fi 2.4MHz-BBF
- Home Wi-Fi 5.8MHz-BBF

Name of the Guest Networks (Wi-Fi):

- Guest Wi-Fi 2.4MHz-BBF
- Guest Wi-Fi 5.8MHz-BBF

Home Wi-Fi Password: Look behind your box (AC-1401 Wi-Fi Access Point)

Guest Wi-Fi Password: Guest Wi-Fi doesn't have any password (open)

Note: *You can set password for Guest Wi-Fi by using the Blue box firewall app*

How to use Blue box firewall app?

- After connecting to Wi-Fi, open the browser(E.g. Chrome, Mozilla, Safari, etc.,) from any of your device and type "mybbf.net".
- You will be navigated to the Blue Box site.
- Typically, username is "bbf" and password is "Password"
- User will be navigated to the Blue Box firewall web application.
- A user can manage his/her account settings from the Blue Box firewall application.

Software manuals:

The only prerequisite is a Blue box firewall and working internet connection.

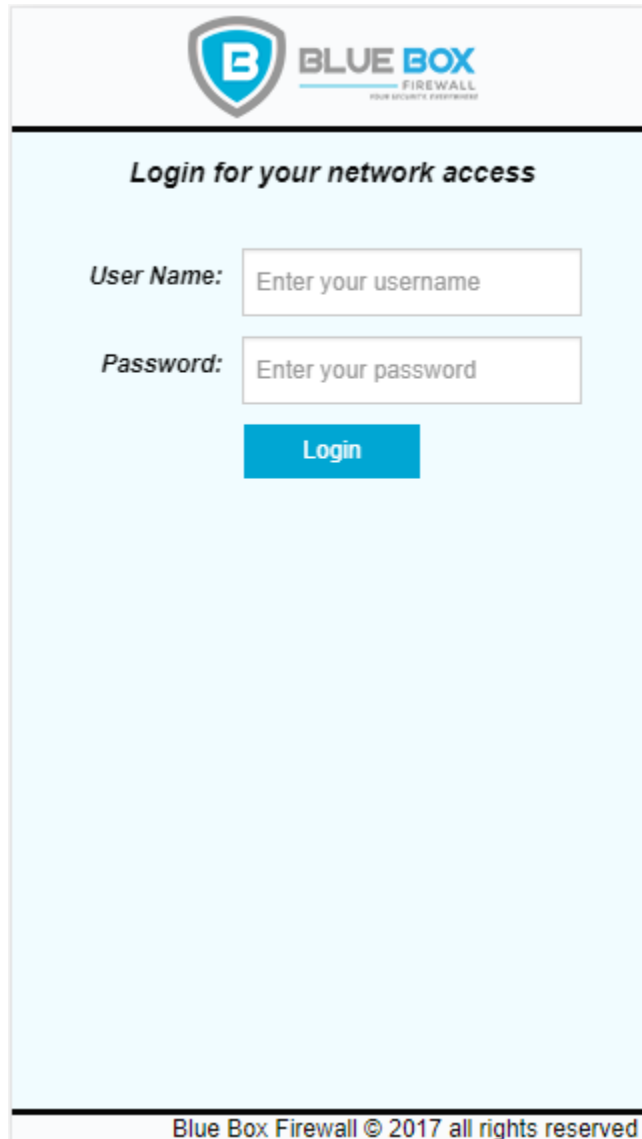*Software Manual Introduction:*

The Blue box firewall Mobile app is intended to help you interact with Network more quickly and efficiently. After installing the Mobile App, you will be able to see a list of networks like Home networks and Guest networks.

- Runs on any device in a browser window
- See all network activity - by device - by user or overall network
- See all the attacks that Blue Box Firewall Prevented (Intrusions blocked, Websites blocked, Malware blocked)
- Keep track of people who are trying to see the internet content that you are blocking
- Easily control your home/ user/ guest network & Internet Content Access level
- Features like controlling backup &restore, managing VPN's and special port forwarding rules is now on your fingertips.
- See information on your Blue box firewall system in real time
- Download the app from Apple store or Play store

If the user connects to the network for the first time, an option called 'Save Password' will be displayed.

Note: *To run the Blue Box Firewall WEB App, open any browser and type mybbf.net*

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Login Screen

Login for your network access

User Name: [Enter your username]

Password: [Enter your password]

[Login]

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- The user can login by entering the correct details.
- If the user enters the wrong password, then the message "Username or Password is incorrect" will be displayed.
- The default Admin Username = 'bbf' (all in lower case) and the password = 'Password'
- User will be redirected to the main screen if the provided information is correct.

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Header

- This is the header of the application and is present in all the screens of application
- The button on left side of the logo indicates menu button
- The menu button has following options:
    - Main Screen (which directs user to main screen)
    - port
    - Sales
    - Our Technology
    - Contact Us
    - About us
- The button on right side of the logo is for the user to logout of the application.
- Clicking on the logo "Blue box" will redirect user to the Main screen where user can keep track of their internet status.

Footer

- Footer section has four different icons on which user can click and navigate to the corresponding page of application
    1. Home Network Screen
    2. Users Screen
    3. Tools Screen
    4. Guest WIFI Screen

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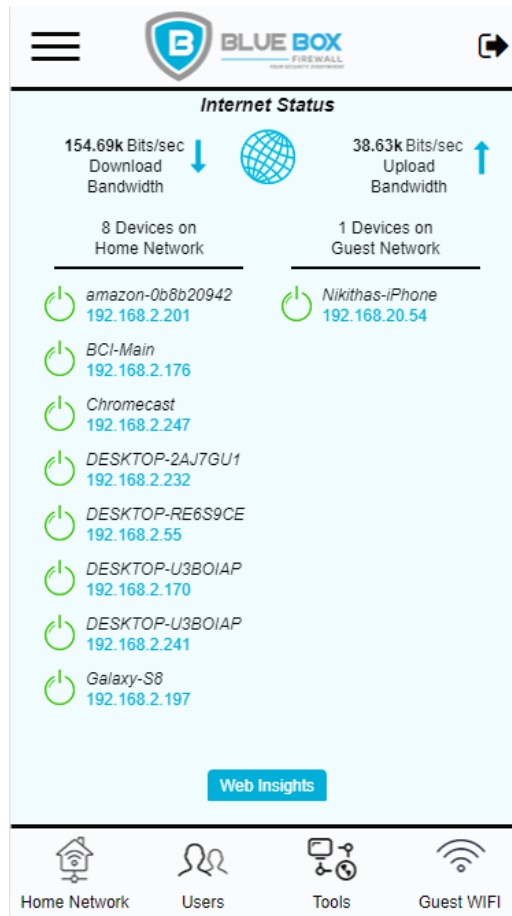
Main Screen

- As you can see the above image is the dashboard/main screen of the Web app.
- The globe image at the center indicates the Internet status.
- If the globe is blue, then internet status is "Up" i.e. ethernet cables are connected successfully and internet is active
- If the globe is blue, then internet status is "down" i.e. ethernet cables are not connected properly and Internet connection is absent
- As you can see in the above image, there are two sections in the dashboard.
  - The one on the left side shows the names of devices that are connected to Home Network along with their IP address.
  - The one on right side shows the names of devices that are connected to Guest Network along with their IP address.
- The button Web Insights which is located at the bottom of the main screen will redirect the user to Firewall Insights screen

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Internet Status

6.29k Bits/sec
Download Bandwidth ↓

69.80k Bits/sec
Upload Bandwidth ↑

4 Devices on
Home Network

0 Devices on
Guest Network

BCI-Main
192.168.2.176
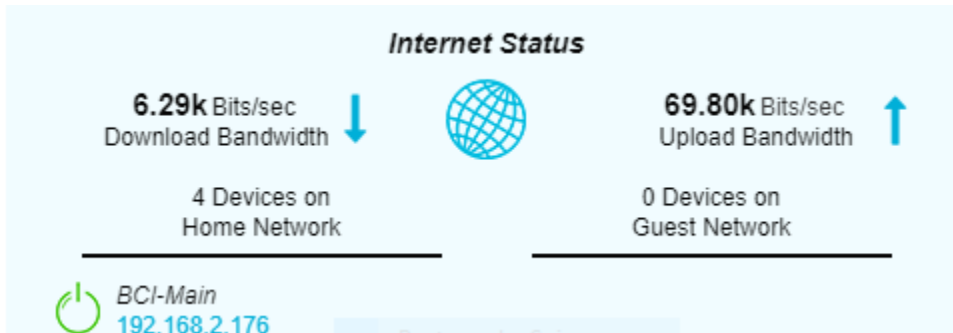
- On the left and right side of the globe in above image, you can see two bandwidths of the internet - Download bandwidth (Downward Arrow) and Upload bandwidth (Upward arrow) respectively.

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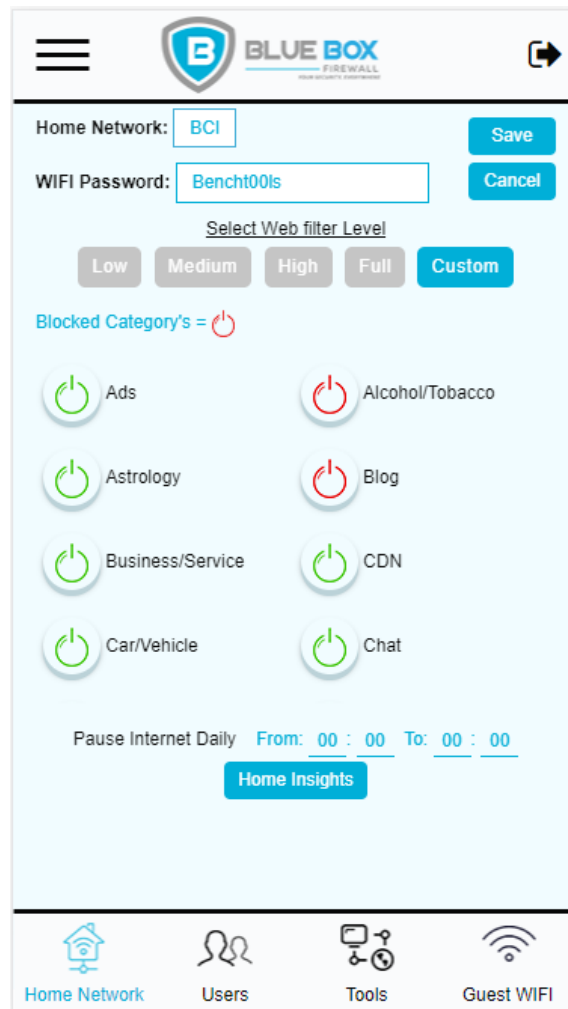
Web/Firewall Insights Screen:
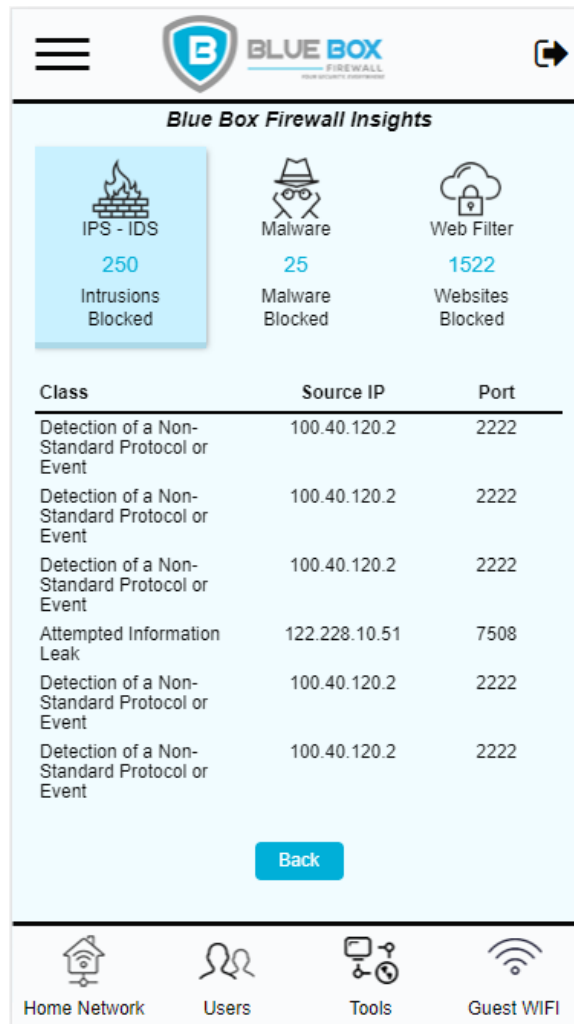
On the top of this screen, there are three different options for user to choose

1. When a user clicks on the Blue Box Firewall IPS - IDS feature, it displays a list of alerts detected on the network with Class name, Source IP address and Port number.
2. When a user clicks on the Blue Box Firewall Malware feature, it displays a list of alerts on the network with the Block Rule, Source, and Country Code.
3. When a user clicks on the Blue Box Firewall Web Filter feature, it displays a list of blocked websites with Domain name, the user it was blocked under, and the Client IP address.

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Home Network Screen

The users will navigate to this screen when they click on the Home Network icon located in the footer section.

- Home Network screen will provide user's complete details
- On the top left corner of Home screen, users can view:

1. Home Network name
2. Password

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User can perform different actions like:

- Changing the name of Home network by clicking on Home network name field
- Change the password by clicking on password field
- Choose the desired level of web filters like (Low, Medium, High, Custom)
- Users can manage blocked categories by clicking on the button present on the left side of every category name
- A user should click the save button located on top right corner of the Home screen to save the changes
- If the user doesn't wish to save the changes made, he can click on the cancel button
- In custom screen, users can also set the pause time of internet on timely basis by clicking on pause internet time button located at the bottom of this screen

Tip: *If you have problem setting pause internet time, then make sure to recheck if you have selected the correct time zone.*

Note: *Users can manage the blocked categories only in the custom mode and other levels has pre-defined settings*

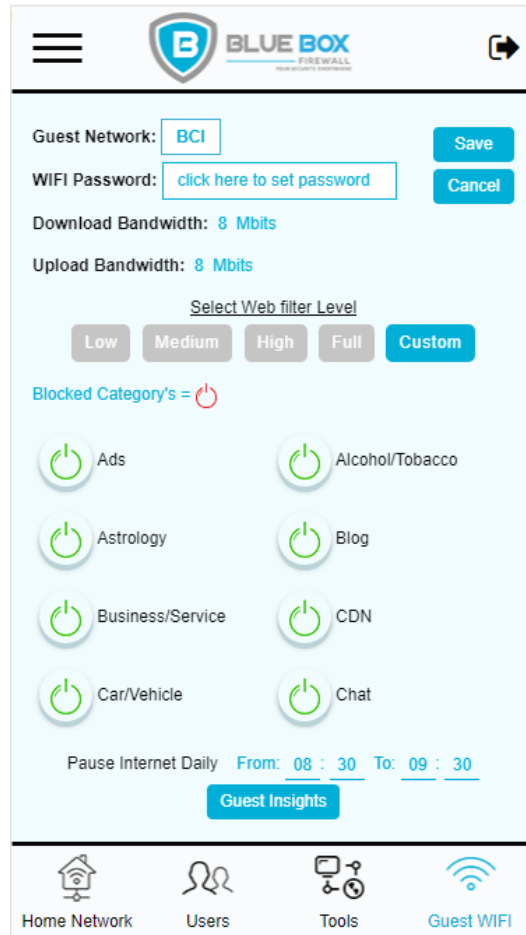Contact: BCI Computers, 231 Quaker lane, West Warwick, RI - 02893

Home Insights Screen
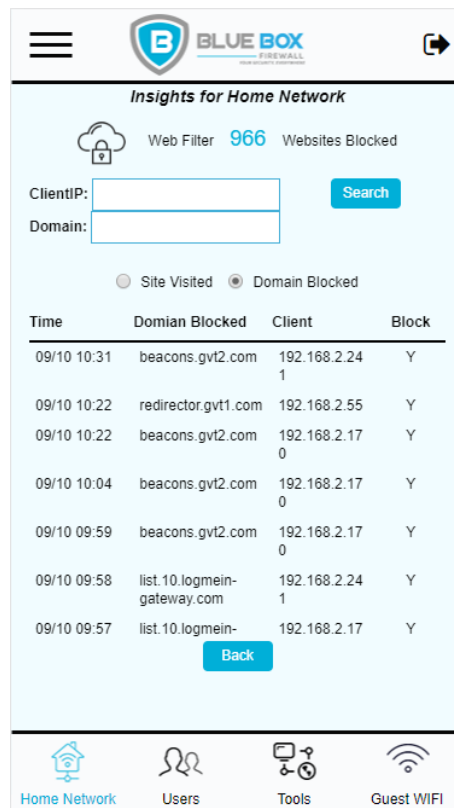
Users will navigate to this screen when they click on the Home Insights button located at the bottom of Home screen

- Home Insights screen shows the list of blocked websites with Time, Domain name, client IP and status
- On the top center of this screen, users can see total number of websites blocked
- An additional option for searching by client IP and Domain name in the given list is available on the top left corner of the screen
- Home screen has two radio buttons:
    1. **Site visited:** The users can see the lists of sites he/she visited
    2. **Domain blocked:** The users can see list of websites that are blocked
- Clicking on the back button, located at the bottom of this screen will redirect the user to Home screen

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Guest Screen

Users will navigate to this screen when they click on the Guest icon located in the footer

- Guest screen will provide guest user details
- On the top left corner of Guest screen, users can view:
    1. Guest Network name
    2. Password

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Users can perform different actions like:

- Changing the name of Guest network by clicking on Home network name field
- Change the password by clicking on password field
- Choose the desired level of web filters like (Low, Medium, High, Custom)
- Users can manage blocked categories by clicking on the button present on the left side of every category name
- A user should click the save button located on top right corner of the Guest network screen to save the changes
- If the user doesn't wish to save the changes made, he/she can click on the cancel button
- In custom screen, users can also set the pause time of internet on timely basis by clicking on pause internet time button located at the bottom of this screen

Tip: *If you have problem setting pause internet time, then make sure to recheck if you have selected the correct time zone.*

Note: *Users can manage the blocked categories only in the custom mode and other levels has pre-defined settings*

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Guest Insights Screen
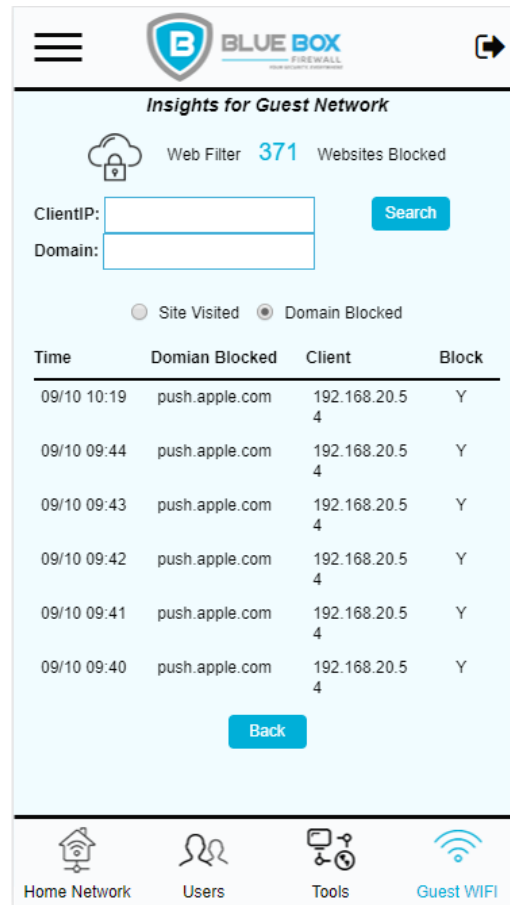
Users will navigate to this screen when they click on the Guest Insights button located at the bottom of Guest Wi-Fi Screen

- Guest Insights screen shows the list of blocked websites with Time, Domain name, client IP and status
- On the top center of this screen, users can see total number of websites blocked
- An additional option for searching by client IP and Domain name in the given list is available on the top left corner of the screen
- Guest screen has two radio buttons:
  1. **Site visited:** The users can see the lists of sites he/she visited
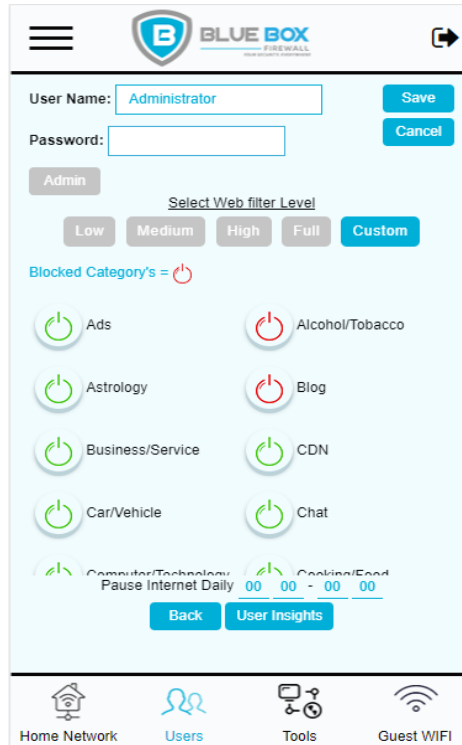 2. **Domain blocked:** The users can see list of websites that are blocked

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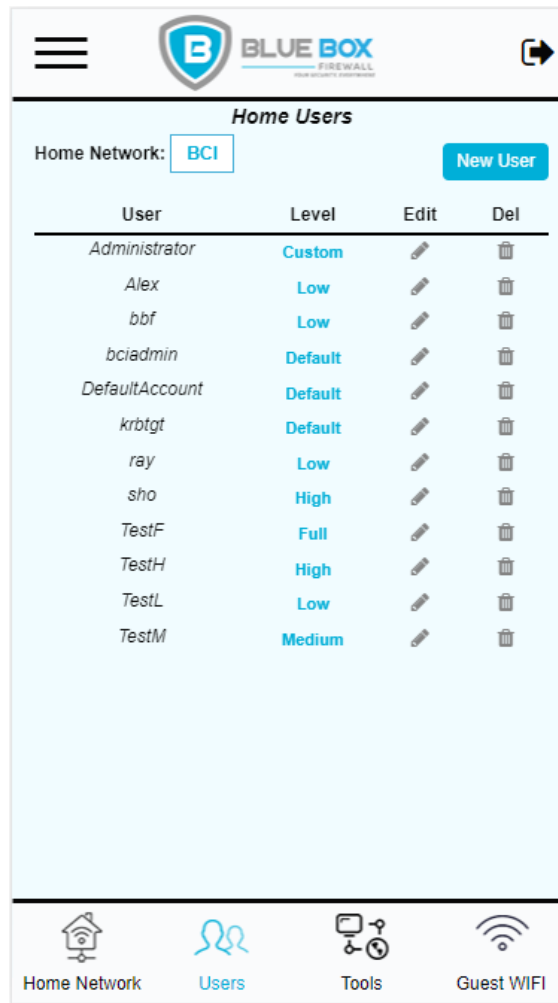
Users Screen:

The users will navigate to this screen when they click on the User button located in the footer section.

- User screen will provide users with Name, level(Policy name) and options to edit or delete
- On the top left corner of User screen, users can view:
    o Home Network name
- On the top right side, there is a button called "New User" to add a new user
- The user can edit details of the users by clicking on edit
- Clicking on the back button, located at the bottom of this screen will redirect the user to Guest Wi-Fi screen

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Edit Page (Users)

On clicking edit button , users will navigate to the above shown screen

In Edit page, top left part shows the username and password of the User

A button called Admin is located under User Name and Password.

1. If the Admin button is gray, then user is not the admin
2. If the Admin button is green, then user is the admin

- User can grant admin privileges to that user by clicking on the gray admin button

In edit page, users can change its policy and settings

- Users can set password by double-clicking the password field
- Users can manage blocked categories by clicking on the button present on the left side of every category name
- In custom screen, users can also set the pause time of internet on timely basis by clicking on pause internet time button located at the bottom of the custom screen

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User Insights Screen
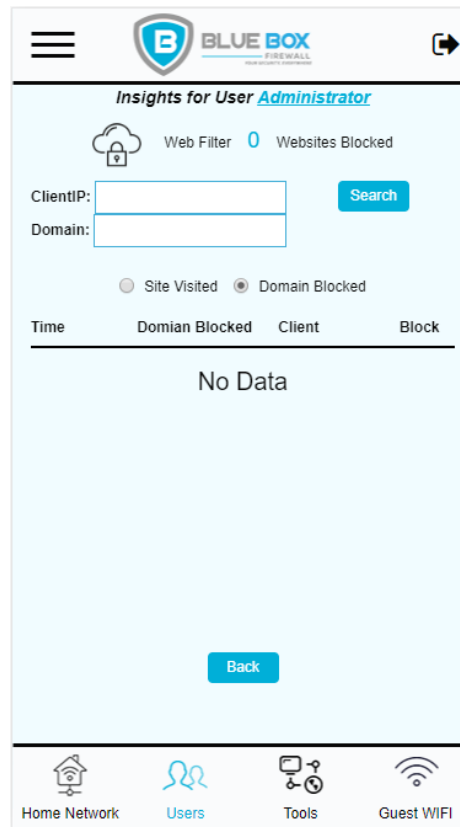
Users will navigate to this screen when they click on the User Insights button located at the bottom of User edit Screen

- User Insights screen shows the list of blocked websites with Time, Domain name, client IP and status
- On the top center of this screen, users can see total number of websites blocked
- An additional option for searching by client IP and Domain name in the given list is available on the top left corner of the screen
- User Insights screen has two radio buttons:
    1. **Site visited:** The users can see the lists of sites he/she visited
    2. **Domain blocked:** The users can see list of websites that are blocked
- Clicking on the back button, located at the bottom of this screen will redirect the user to "Users screen"

Tools Screen
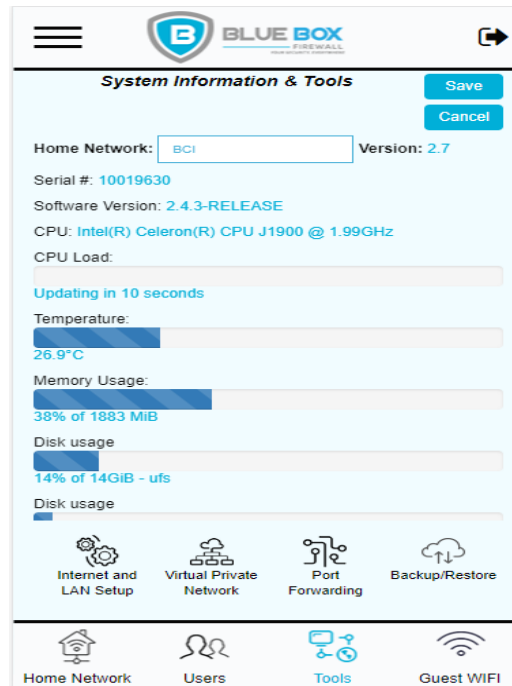
Tools screen provides following information:

- Hostname
- Version
- Serial number
- Software number
- CPU
- Temperature
- Disk Usage
- memory usage
- Date & Time
- Time Zone (User can change time zone)

The cancel button on top right will reload the tools screen. Footer of tools screen:

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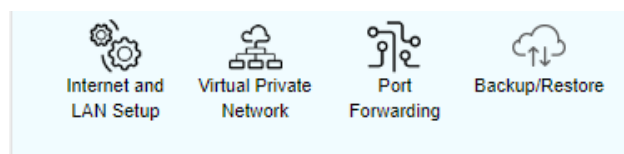
Internet Setup

LAN address using DHCP for WAN IP address:

- Blue box firewall can setup and use any LAN IP address with DHCP. (default is 192.168.2.XXX).
- When changing the local IP address from 192.168.2.xxx to match your current local IP address range, you must change your router to use a different address range
- Firstly, the user must change the routers DHCP to a different address range or put the router to **Bridge mode**

Using a Static WAN IP address:

- You must plug directly into your cable modem or put your router into bridge mode.

Note: *If you have doubts regarding how to set your router to bridge mode. You can visit the following link:* Set router to bridge mode

Internet setup screen is used to change Ipv4 and Ipv6 information.

There are two sections:

- IPv4 Section
- IPV6 Section

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IPv4 Section

- If DHCP option is selected then it gives dynamic information like dynamic ipv4 address, dynamic subnet and dynamic gateway.
- If DHCP option is not selected, then user must add valid Ipv4 address and select gateway from list. Also, User can add gateway from here by clicking on Add Gateway button.
- When the user clicks on "Add Gateway" button, a popup is displayed which allows to add gateway
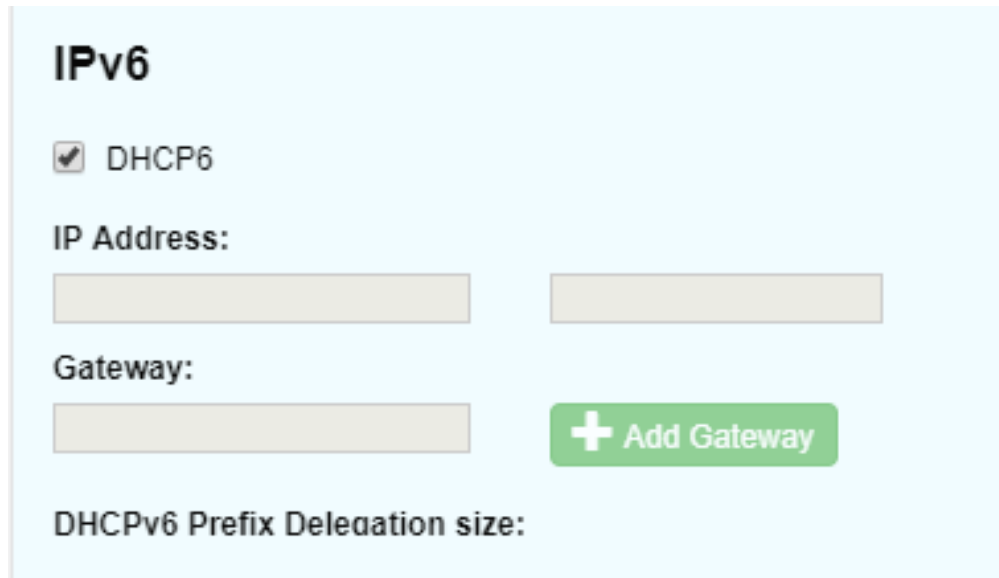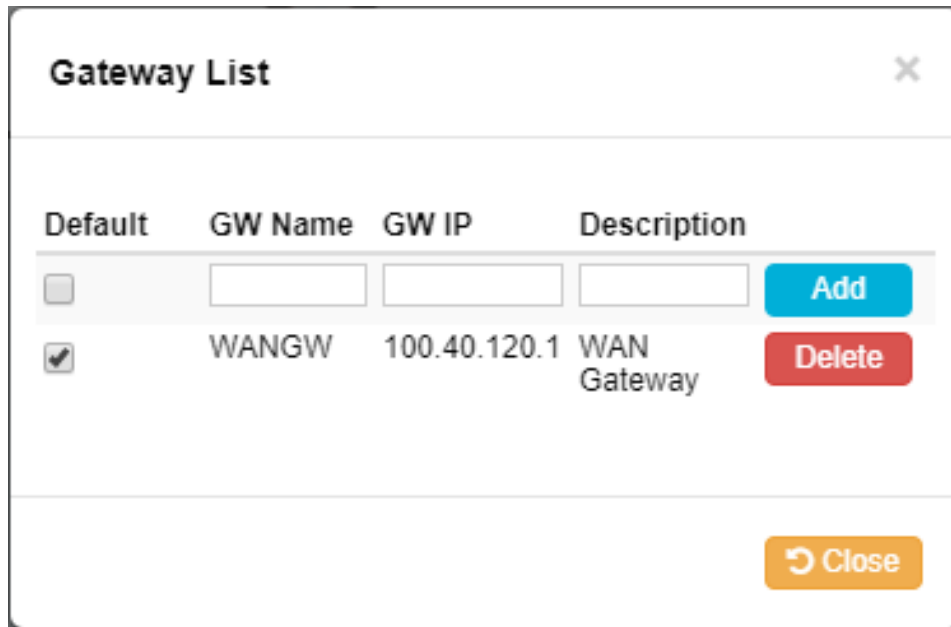
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IPV4 Gateway

- In Add gateway form, there are fields like default, Gateway name, Gateway IP, Gateway description
- After adding gateway, it appends gateway to the list as well as to the dropdown option of Gateway.
- If user selects default checkbox at the time of adding gateway, then the gateway makes default gateway.
- At a time, only one gateway can be set as default gateway. User can delete gateway from list by clicking on "Delete" button.
- User must add valid gateway otherwise user can get validation message
- If the user deselects DHCP option and user does not enter Ipv4 address, then user will get an error message

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IPv6 Section

- If DHCP option is selected then it gives dynamic information like dynamic ipv4 address, dynamic subnet and dynamic gateway.
- If DHCP option is not selected, then user must add valid Ipv4 address and select gateway from list. Also, User can add a gateway from here by clicking on Add Gateway button.
- When the user clicks on "Add Gateway" button, a popup is displayed which allows to add gateway
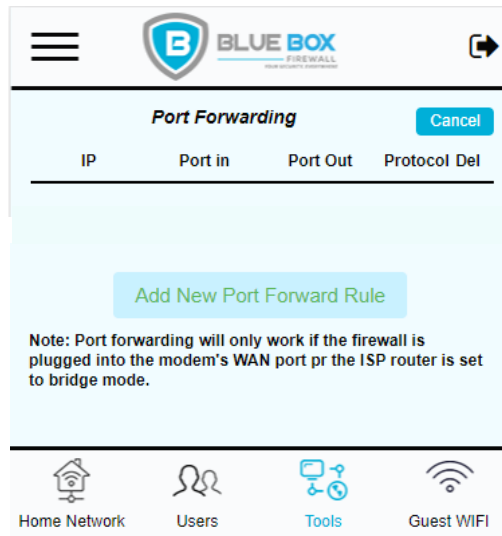
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IPV6 Gateway

- In Add gateway form, there are fields like default, Gateway name, Gateway IP, Gateway description
- After adding gateway, it appends gateway to the list as well as to the dropdown option of Gateway.
- If user selects default checkbox at the time of adding gateway, then the gateway makes default gateway.
- At a time, only one gateway can be set as default gateway. User can delete gateway from list by clicking on "Delete" button.
- User must add valid gateway otherwise user can get validation message
- If the user deselects DHCP option and user does not enter Ipv4 address, then user will get an error message
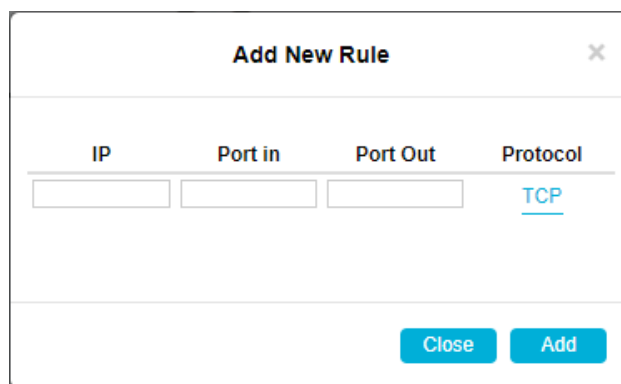
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Port Forwarding

The above screen provides the list of ports with its IP addresses, Protocol name and an option to delete.

- Users can Delete and Add new port from this page.
- Users can Add New port by clicking "Add New Port Forward Rule" button.

After clicking this "Add New Port Forward Rule" button, a below popup appears:

- Users must fill in the fields like IP, Port in, Port Out and Protocol and click Add.
- When user deletes or adds new port, then the user gets a pop-up stating "Changes have been saved successfully"
- If User does not enter valid port, an error message will be displayed.

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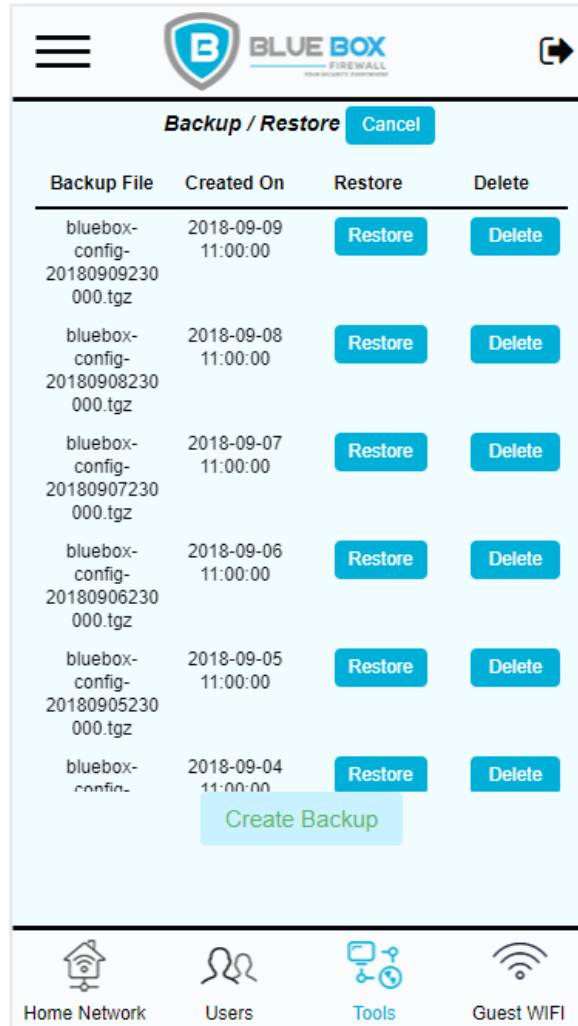
Backup & Restore

- Backup/Restore page shows the list of all backups along with the created date of backup and name of backup file. Also, there are options like create new backup, delete backup and restore backup.
- When a user clicks on "create new backup" button a popup appears stating "Do you want to create backup?" if user clicks on ok then backup will be created.
- List of backups will be in descending order of the created date.
- The "cancel" button on top right will redirect the user to tools screen

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FAQ's

Why I am not able to connect my IOT devices? (Chromecast, Alexa, Lights, etc.,)

A: Make sure that your IOT devices are on the same network. You might have connected your IOT devices to your previous network

How to connect IOT devices to same network?

A: To connect your IOT devices to same network(Wi-Fi):

- Open your device settings from the mobile or desktop and search for the network.
- Forget the old network.
- Search for the available networks.
- Once your device detects the desired network connect the device to the desired network.

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