

edgeboxx

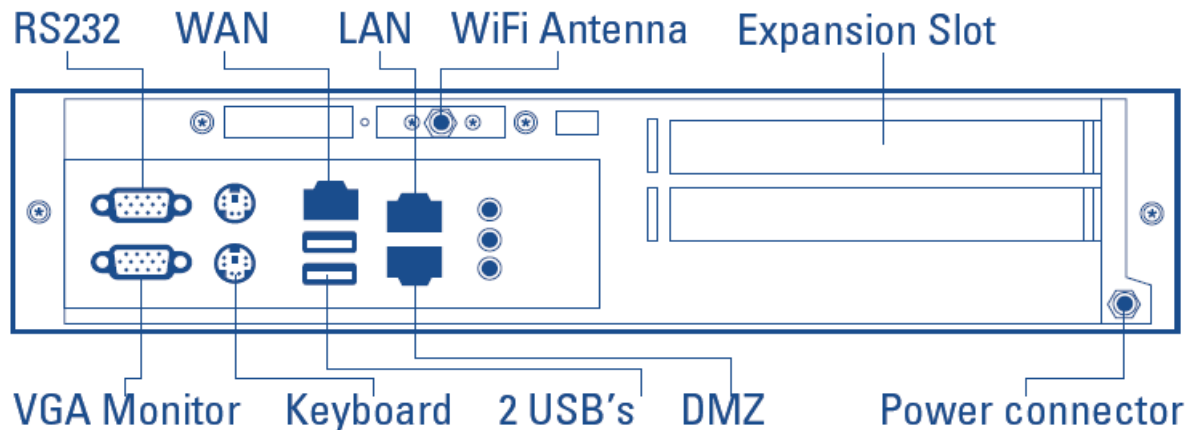
Quick Start Guide, V4.6

1. Introduction

Upon taking delivery of the edgeBOX the first task is to connect the AC adapter to the power socket located on edgeBOX's rear panel using the power cable and connect the power adapter to an electrical outlet.

To switch on the appliance, press the power button located on the front panel. A blue light will then be visible, indicating the box is properly powered. It takes approximately three minutes for the edgeBOX to complete the power-on self test and bootup process.

The next step will be to physically connect the appliance to the network.



2. EdgeBOX Bundle solution

The edgeBOX SMB bundle comes with the following components:

- edgeBOX Office device
- 8 IP phones Polycom, 7 IP330 model phones and one IP550 model
- D-Link 8 ports PoE switch

3. Default Configuration Settings

The following are the default configuration settings:

Router Menu:

1. WAN interface is set to run as DHCP client
2. LAN Interface is configured to be on 192.168.100.0/24 subnet
3. DMZ Interface is configured to be on 192.168.200/24 subnet
4. There are 5 VLANs configured that can be used on the LAN interface
5. Default hostname and domain name configured to ebox and example.com respectively
6. DNS Server is enabled
7. DHCP server is enabled on the LAN interface with the following setting:

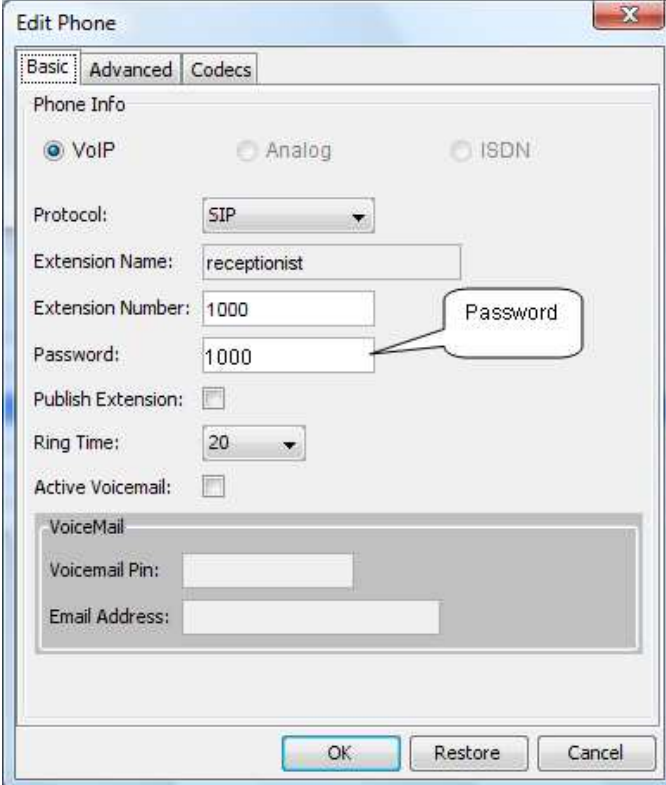
VLAN	Start Address	End Address
LAN w/o VLAN	192.168.100.100	192.168.100.200
LAN VLAN=2	192.168.101.100	192.168.101.200
LAN VLAN=3	192.168.102.100	192.168.102.200
LAN VLAN=4	192.168.103.100	192.168.103.200
LAN VLAN=5	192.168.104.100	192.168.104.200

Security Menu:

1. Firewall is enabled
2. Access to Administration GUI enabled for both LAN and WAN interfaces
3. All Services enabled for WAN and LAN interfaces

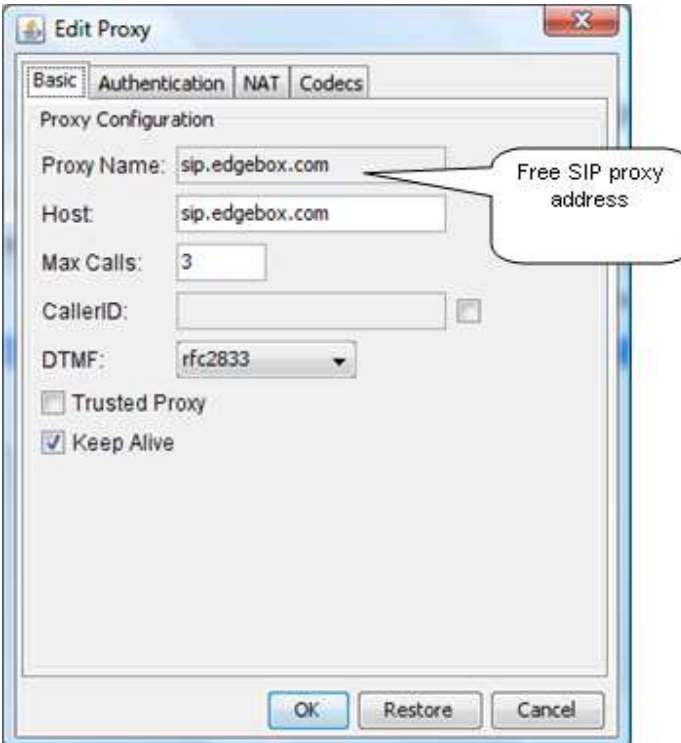
VoIP and IP PBX Menu:

1. One phone extension with the following configuration



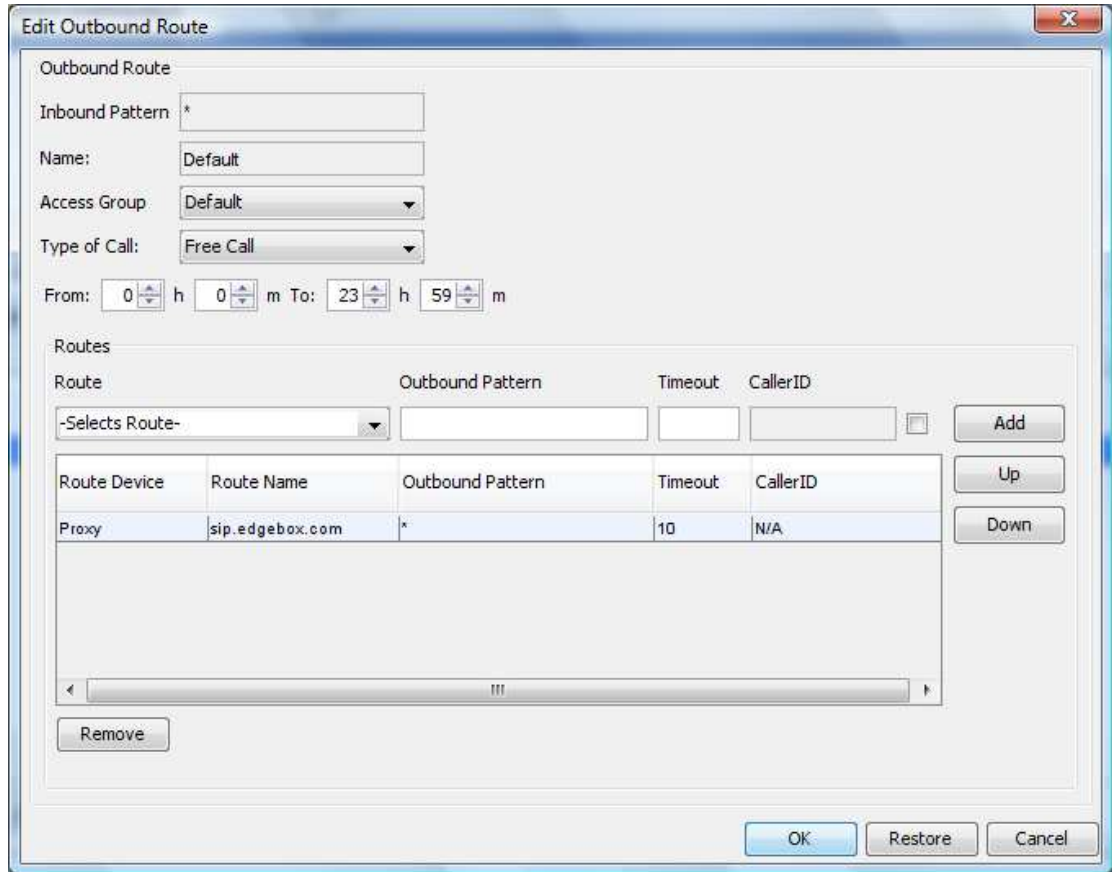
The 'Edit Phone' window displays the 'Basic' tab. Under 'Phone Info', the 'VoIP' radio button is selected. The 'Protocol' is set to 'SIP'. The 'Extension Name' is 'receptionist', the 'Extension Number' is '1000', and the 'Password' is '1000'. A callout bubble points to the password field with the text 'Password'. Other settings include 'Publish Extension' (unchecked), 'Ring Time' (20), and 'Active Voicemail' (unchecked). A 'VoiceMail' section contains fields for 'Voicemail Pin' and 'Email Address'. At the bottom are 'OK', 'Restore', and 'Cancel' buttons.

2. One Outbound SIP proxy that allows making free phones call for 30 days trial period.



The 'Edit Proxy' window displays the 'Basic' tab. Under 'Proxy Configuration', the 'Proxy Name' and 'Host' are both set to 'sip.edgebox.com'. A callout bubble points to the 'Proxy Name' field with the text 'Free SIP proxy address'. Other settings include 'Max Calls' (3), 'CallerID' (empty), 'DTMF' (rfc2833), 'Trusted Proxy' (unchecked), and 'Keep Alive' (checked). At the bottom are 'OK', 'Restore', and 'Cancel' buttons.

3. One default LCR (Least Cost Routing) for Outbound calls where all calls set to be routed through the default SIP proxy



4. Phone **Autoconfiguration** is **enabled**. The phones will be automatically configured as soon as they connected to the PoE switch.

QOS Menu:

1. QOS service is enabled. All VoIP traffic will be given a highest priority over data traffic

WiFi Menu:

1. WiFi Service is enabled
2. Default SSID – **edgebox**, channel – **11**
3. Security type **WPA-PSK**, passphrase – **edgebox1**

NAC Menu:

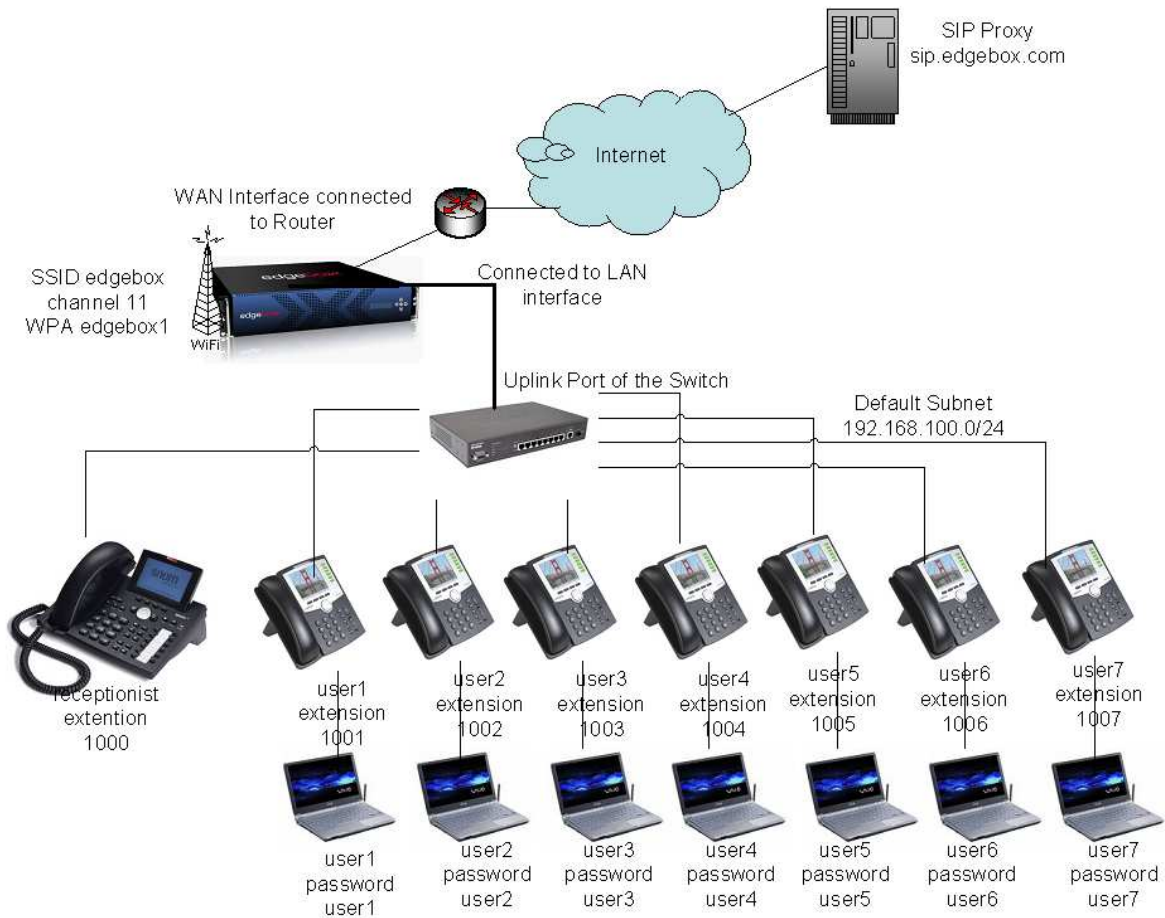
1. Configured 7 default users with the following attributes

Username	First Name	Last Name	Password	Phone Extension	Authentication PIN	Extension Password
user1	user1	user1	user1	1001	1001	1001
user2	user2	user2	user2	1002	1002	1002
user3	user3	user3	user3	1003	1003	1003
user4	user4	user4	user4	1004	1004	1004
user5	user5	user5	user5	1005	1005	1005
user6	user6	user6	user6	1006	1006	1006
user6	user7	user7	user7	1007	1007	1007

2. Two default access profiles created
 - **staff** – where all services are enabled
 - **generic** – where only internet and email access enabled

4. Default deployment configuration

The default deployment assumes the following network configuration:



5. Configuring the LAN

The LAN connection is used to connect the edgeBOX to your internal office network. Connect the LAN port of the edgeBOX to an available port on the D-Link network switch. By default, the LAN address of edgeBOX is 192.168.100.254. By default the edgeBOX acts as a DHCP server for the LAN.

To connect to the user interface and begin customizing the configuration of your edgeBOX, you may either connect your computer to the LAN using an ethernet cable, or via Wi-Fi. The edgeBOX Wi-Fi SSID is "edgebox" and the WPA personal key is "edgebox1"

To access the edgeBOX GUI, point your web browser to <http://192.168.100.254:8010> or <http://www.myedgebox.com>.

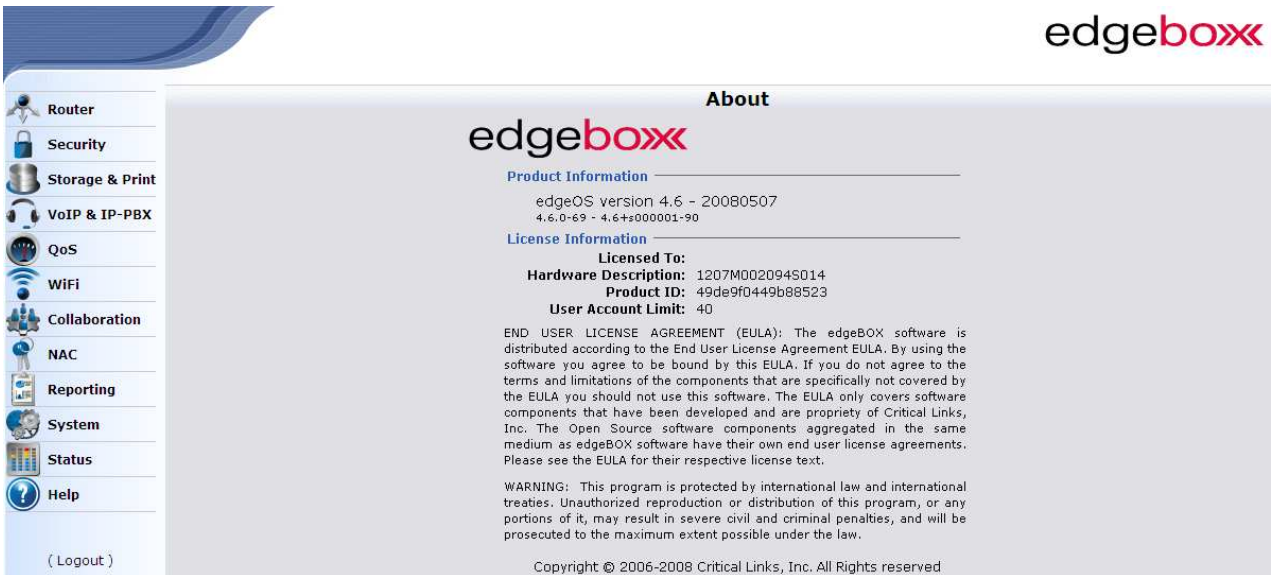
Log in using the username "**admin**" and the password "**password**"

Newer versions of Microsoft Internet Explorer may indicate a problem with the web site's security certificate. Choose "Continue to this website." You should be presented with the login screen as shown below.



The default username (lowercase) is: **admin**
The default password (lowercase) is: **password**

Again, newer versions of IE indicate the page contains both secure and non-secure items. Choose yes to accept. After your login is successful, you will be presented with an About screen similar to this:



If you cannot view the screen, you may need to download the Java Runtime Environment (JRE).

This may be obtained from <http://java.sun.com/j2se/1.4.2/download.html>

Configuring this is automatic for Internet Explorer browser. The minimum JRE version supported is v1.4.2

If you cannot correct the problem, you should contact edgeBOX support:

edgeBOX.support@critical-links.com

6. Phones Autoconfiguration

The Phone Auto Configuration allows you to configure VoIP phones directly on the edgeBOX, avoiding the configuration on the phone itself. Each phone downloads a configuration file from the TFTP service. To start phones Autoconfiguration go through the following steps:

1. Connect and power up EdgeBOX
2. Connect and power up PoE switch. Uplink port of the switch should be connected to the LAN interface of edgeBOX.
3. Connect a phone to one of the PoE ports, that will trigger DHCP request from the phone and in turn will start Autoconfiguration from edgeBOX
4. It takes approximately 2-3 minutes to finish Autoconfiguration
5. At the end of the configuration process on a phone LCD phone's extension will be displayed and the phone will be ready to operate.

7. Making your edgeBOX first phone call

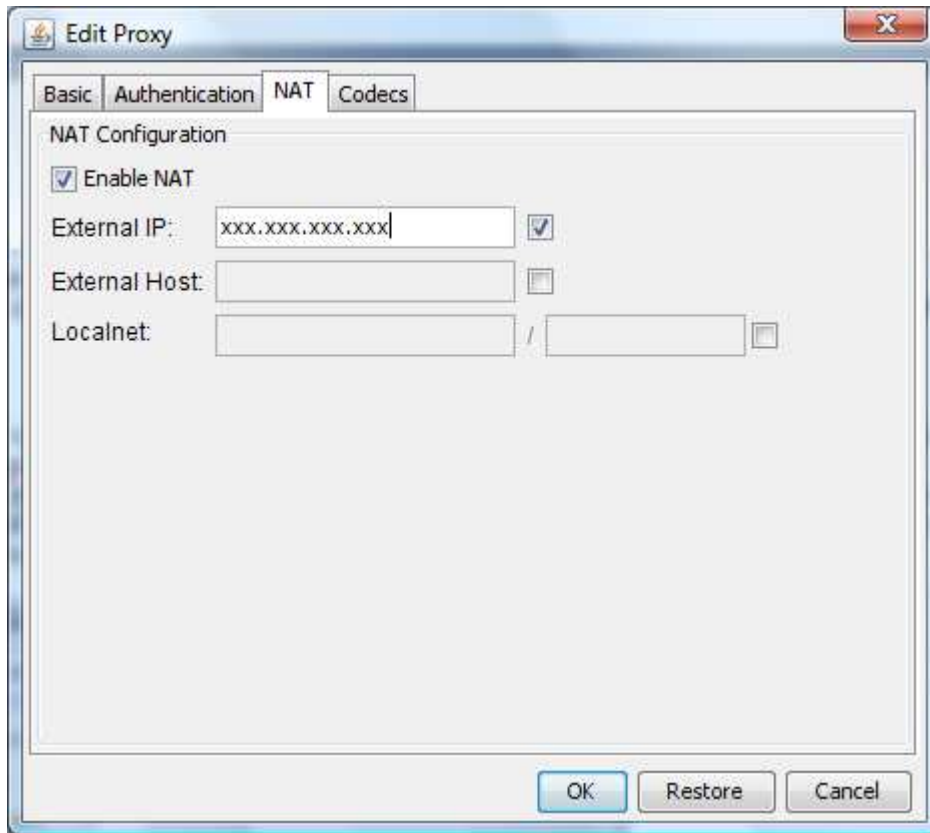
After connecting and configuring your phones the default configuration of edgeBOX allows users to make a phones calls using SIP proxy (available only for 30 days evaluation period). These are the steps to start using your phones:

1. Connect you laptop or workstation to PC connector of the IP phone
2. Check from your laptop that you have access to Internet
3. Check that the phone is auto configured , phone's extension should be displayed on LCD
4. Check your external IP address. If you don't know your external IP , use your browser to find it out. To find your external IP go to <http://whatismyip.com/>



5. Connect to edgeBOX <https://192.168.100.254:8011> to configure your external IP.
6. Navigate to **VoIP & IP-PBX** section

7. Choose **Outbound Calls** tab and then **SIP Proxies** tab
8. Select sip.edgebox.com and click on **Edit Proxy**
9. Navigate to **NAT** tab on the edit window
10. Select **Enable NAT** checkbox, select External IP checkbox and enter your external IP address.



11. Click **OK**
12. Click **Apply** button on the bottom right corner of the screen
13. Now you can start using phones

