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# 1. Web Interface Configuration

The EZMIMO™ can be conveniently configured using its web interface. The web interface can be accessed through a web browser such as Internet Explorer, Mozilla Firefox, Apple Safari, Opera, etc. The web interface provides intuitive navigation and options for you to easily configure the unit. Figure 1 shows a sample page of the web interface.



Figure 1

## 1.1 Login Information

After properly connecting and powering the unit, wait for the unit to finish the boot-up process. On the computer connected to the EZMIMO™ via Ethernet, open a browser and point it to the IP address of the EZMIMO™ (192.168.1.1 by default), as shown in Figure 2.

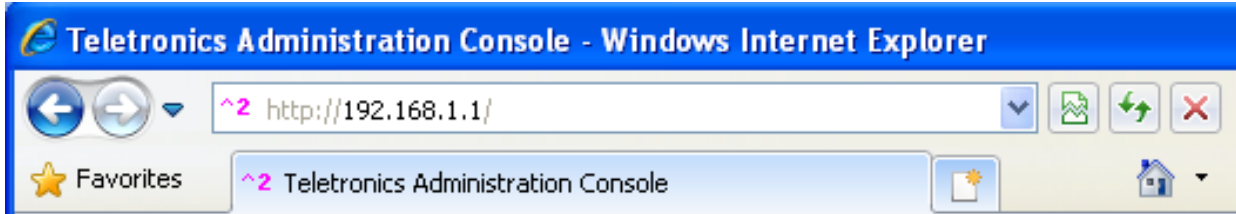


Figure 2

The IP address of the EZMIMO™ can be changed once you have logged in. In order to access the web interface, the computer needs to be configured for the subnet to which the EZMIMO™ belongs.

To log in to the web interface, enter the user name and password in the prompt that appears, as shown in Figure 3.

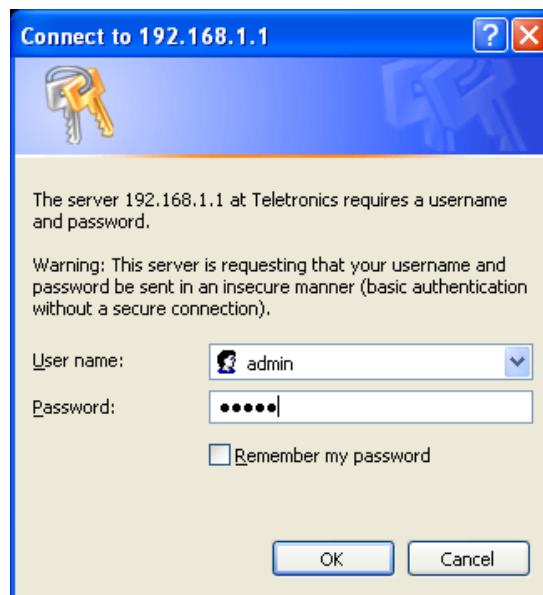


Figure 3

The default user name is 'admin' and the default password is 'admin'. The password can be changed once you have logged in. After logging in, you will see the page shown in Figure 1.

## 1.2 Saving Configuration Changes

To save any configuration changes, on the lower right hand side there are four buttons shown in Figure 4.



**Figure 4.**

Once you have made the changes, you click on "Save Changes." When the page reloads it will look like Figure 5.



**Figure 5.**

From here you can continue configuring your device and just saving each time, click on "Review Changes" to see what changes are being made to the device, click on "Clear Changes" to cancel all changes being made to the device, or click on "Apply Changes" which will apply the changes made to the device.

**Note:** Sometimes there might be more changes listed than what you did yourself. That is because some changes require more than one change to the configuration file.

### 1.3 Status Page

The web interface is the home page and thus is the page displayed when you log in. This page displays a summary of the current configuration and status of the EZMIMO™, as shown in Figure 4.

The screenshot shows the EZ MIMO web interface. At the top, there is a navigation bar with links for Status, Log, System, Network, Logout, and Reboot. The page title is 'EZ MIMO' and it includes the Teletronics International Inc. logo and version information (Teletronics MIMO L81, Date: 1970-01-01, Time: 21:11:40).

**System Information**

Device Name	Teletronics-EZMIMO
HW Version	Complex-OEM-1
Radio Type	5.8 GHz
Manufacture Date	06-08-2010

**DNS Servers**

DNS Server	No DNS Server found.
------------	----------------------

**Default Gateway**

No default gateway found.

**LAN**

MAC Address	00:80:48:6A:09:09
IP Address	192.168.1.124

**WLAN**

ESSID	Teletronics
Mode	Master
Frequency	5.22 GHz
Access Point	00:80:48:67:D8:28
Bit Rate	300 Mbps
Transmit Power	26 dBm
Sensitivity	1/3
RTS	off
Security mode	None
Link Quality	0/94
Signal Level	161/162
Noise Level	133/161

At the bottom of the page, there are three buttons: 'Apply Changes <', 'Clear Changes <', and 'Review Changes <'.

Figure 6.

## 1.4 Log

### 1.4.1 Log Settings

Always you to back up and view previous syslogs of your EZMIMO™ on a remote server, as seen in Figure 7.



TELETRONICS INTERNATIONAL INC. EZ MIMO Teletronics MIMO 1.01  
Date: 1970-01-01  
Time: 22:39:35

Status Log System Network Logout Reboot

Log Settings Syslog

**Log Settings**

**Remote Syslog**

Server IP Address

Server Port

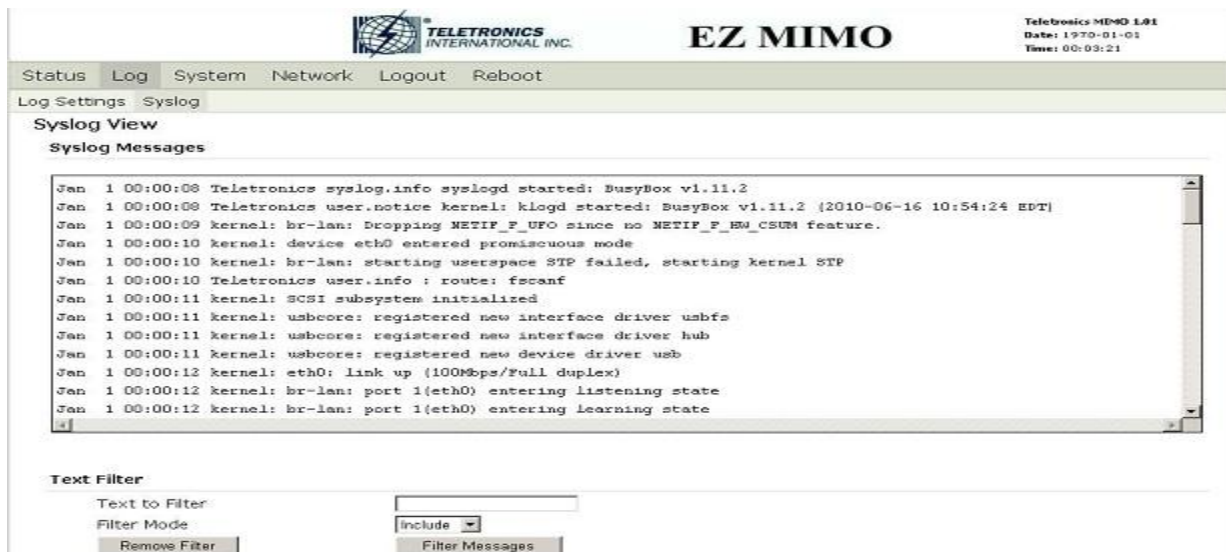
Save Changes

Apply Changes < Clear Changes < Review Changes <

Figure 7.

### 1.4.2 Syslog

The Syslog shows events that have happened to the device, with the most recent events at the bottom of the list. In addition you are able to filter this log with a text filter. This allows you to find specific events. Figure 8 show a picture of this page.



TELETRONICS INTERNATIONAL INC. EZ MIMO Teletronics MIMO 1.01  
Date: 1970-01-01  
Time: 00:03:21

Status Log System Network Logout Reboot

Log Settings Syslog

**Syslog View**

**Syslog Messages**

```
Jan 1 00:00:08 Teletronics syslog.info syslogd started: BusyBox v1.11.2
Jan 1 00:00:09 Teletronics user.notice kernel: klogd started: BusyBox v1.11.2 (2010-06-16 10:54:24 EDT)
Jan 1 00:00:09 kernel: br-lan: Dropping NETIF_F_UFO since no NETIF_F_HW_CSUM feature.
Jan 1 00:00:10 kernel: device eth0 entered promiscuous mode
Jan 1 00:00:10 kernel: br-lan: starting userspace STP failed, starting kernel STP
Jan 1 00:00:10 Teletronics user.info : route: fscanf
Jan 1 00:00:11 kernel: SCSI subsystem initialized
Jan 1 00:00:11 kernel: usbcore: registered new interface driver usbfs
Jan 1 00:00:11 kernel: usbcore: registered new interface driver hub
Jan 1 00:00:11 kernel: usbcore: registered new device driver usb
Jan 1 00:00:12 kernel: eth0: link up (100Mbps/Full duplex)
Jan 1 00:00:12 kernel: br-lan: port 1(eth0) entering listening state
Jan 1 00:00:12 kernel: br-lan: port 1(eth0) entering learning state
```

Text Filter

Text to Filter

Filter Mode

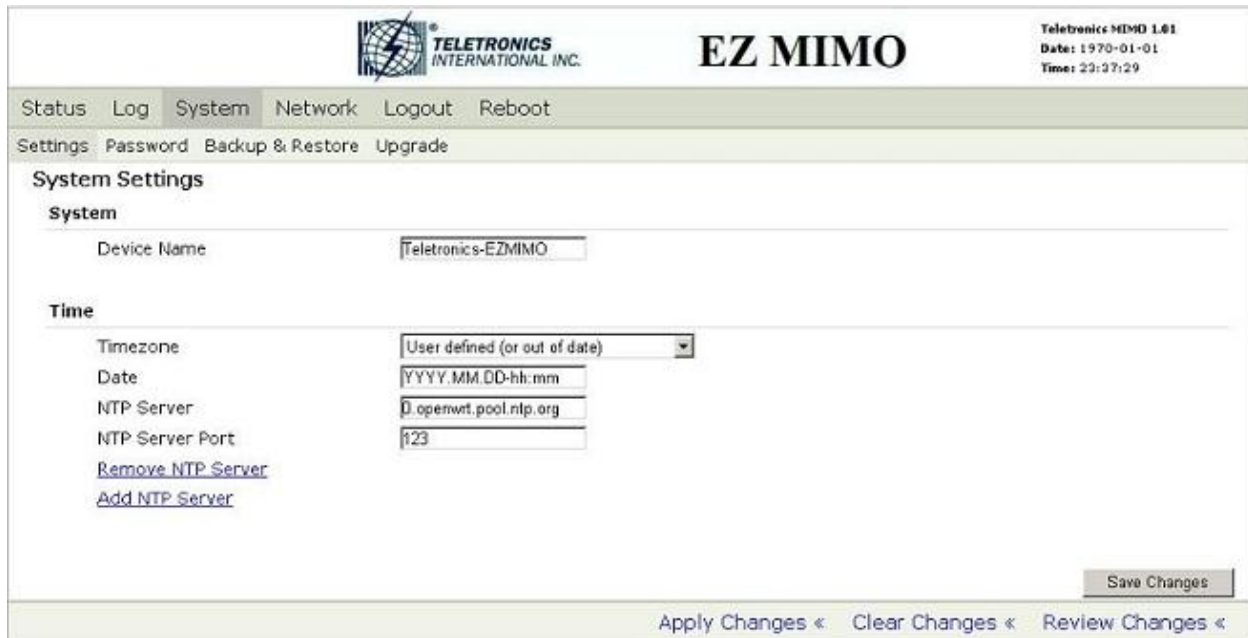
Remove Filter Filter Messages

Figure 8.

## 1.5 System

### 1.5.1 Settings

Allows you to configure the devices name so you can easily identify your device in your network, as seen in Figure 9. In addition, give you the option of either connecting to an NTP server (connects by default if there is an internet connection) or to manually set the Time zone, date and time for the device. You also have the option of either removing or adding an additional NTP server to connect to in case the first one is unavailable.



The screenshot displays the 'System Settings' page of the EZ MIMO interface. At the top, there is a navigation bar with 'Status', 'Log', 'System', 'Network', 'Logout', and 'Reboot'. Below this is a sub-menu with 'Settings', 'Password', 'Backup & Restore', and 'Upgrade'. The main content area is titled 'System Settings' and contains two sections: 'System' and 'Time'. In the 'System' section, the 'Device Name' is set to 'Teletronics-EZMIMO'. In the 'Time' section, the 'Timezone' is set to 'User defined (or out of date)', the 'Date' is in the format 'YYYY.MM.DD-hh:mm', the 'NTP Server' is 'openwt.pool.ntp.org', and the 'NTP Server Port' is '123'. There are links for 'Remove NTP Server' and 'Add NTP Server'. A 'Save Changes' button is located at the bottom right of the form area. At the very bottom of the page, there are three buttons: 'Apply Changes <', 'Clear Changes <', and 'Review Changes <'.

Figure 9.

### 1.5.2 Password

Allows you to change the old password to a new one. It is highly recommended to change the default password for security reasons.



The screenshot displays the 'Password' page of the EZ MIMO interface. At the top, there is a navigation bar with 'Status', 'Log', 'System', 'Network', 'Logout', and 'Reboot'. Below this is a sub-menu with 'Settings', 'Password', 'Backup & Restore', and 'Upgrade'. The main content area is titled 'Password' and contains a section for 'Password Change'. This section has three input fields: 'Old Password:', 'New Password:', and 'Confirm Password:'. A 'Save Changes' button is located at the bottom right of the form area. At the very bottom of the page, there are three buttons: 'Apply Changes <', 'Clear Changes <', and 'Review Changes <'.

Figure 10.

### 1.5.3 Backup and Restore

This page allows you to back up your current configuration, restore a previous configuration or restore your device to factory default.

The screenshot shows the 'Backup and Restore' page in the EZ MIMO web interface. At the top, there is a header with the Teletronics International Inc. logo, the text 'EZ MIMO', and system information: 'Teletronics MIMO 1.01', 'Date: 1970-01-02', and 'Time: 00:25:49'. Below the header is a navigation menu with 'Status', 'Log', 'System', 'Network', 'Logout', and 'Reboot'. A secondary menu contains 'Settings', 'Password', 'Backup & Restore', and 'Upgrade'. The main content area is titled 'Backup and Restore' and is divided into three sections: 'Backup Configuration' with a text input field for 'Name this configuration:' and a 'Backup' button; 'Restore Configuration' with a text input field for 'Saved .tgz file:', a 'Browse...' button, and a 'Restore' button; and 'Restore factory default settings' with a 'Restore' button. At the bottom right of the page, there are three links: 'Apply Changes <', 'Clear Changes <', and 'Review Changes <'.

Figure 11.

**Note:** It is highly recommended that you back up your configuration every time a change is made in case the device is reset.

### 1.5.4 Upgrade

Allows you to upgrade the device to the newest firmware version.

The screenshot shows the 'Firmware Upgrade' page in the EZ MIMO web interface. It features the same header and navigation menus as Figure 11. The main content area is titled 'Firmware Upgrade' and contains a text input field for 'Firmware Image', a 'Browse...' button, and an 'Upgrade' button.

Figure 12.

## 1.6 Network

### 1.6.1 LAN

LAN Configuration page is used to setup the Connection Type, IP Address, Netmask, Default Gateway, and DNS Servers. In the Connection Type, there are two options, "Static IP" or "DHCP." In Static IP, you will have to manually enter the IP Address, Netmask, Default Gateway, and DNS Servers. In DHCP, the device will receive its IP Address, Netmask, Default Gateway, and DNS Servers from a DHCP server.

TELETRONICS INTERNATIONAL INC. EZ MIMO Teletronics MEMO 1.01 Date: 1970-01-01 Time: 00:11:04

Status Log System Network Logout Reboot

LAN Wireless RF

**LAN Configuration**

Connection Type: Static IP  
Type: Bridged  
IP Address: 192.168.1.124  
Netmask: 255.255.255.0  
Default Gateway:

**DNS Servers**

Add

Save Changes

Apply Changes < Clear Changes < Review Changes <

Figure 13.

### 1.6.2 Wireless

This page is to configure the wireless interface of the device. Here you can configure the Channel, Bandwidth, Auto Adjust Times, Mode, ESSID Broadcast, DFS/TPC, WDS, Tx Power, RTS, Fragmentation, ESSID, Encryption Type, and MAC Filter.

Status Log System Network Logout Reboot

LAN Wireless RF

**Wireless Adapter wifio Configuration**

Radio:  On  Off  
Channel: 44  
Bandwidth: 40+ MHz  
Auto Adjust Times: Enabled  
[Add Virtual Interface](#)

**Wireless Virtual Adaptor Configuration for Wireless Card wifio**

Mode: Access Point  
ESSID Broadcast:  On  Off  
DFS/TPC:  On  Off  
WDS:  On  Off  
Tx Power: 26 dbm  
RTS (Default off):  
Fragmentation (Default off):  
ESSID: kj,lj  
Encryption Type: Disabled  
MAC Filter: Disabled  
[Remove Virtual Interface](#)

Save Changes

Apply Changes < Clear Changes < Review Changes <

Figure 14

## **1.7 Logout**

This page logs you out of the web interface. If you want to go back and view or make any changes, you will have to log in again.

## **1.8 Reboot**

This page will allow you to reboot the machine.