

Smart Terminal with LCD Display

**April 2017** 

# **Table of Contents**

| 1 Package Contents           | 3  |
|------------------------------|----|
| 2 Hardware Overview          | 3  |
| 2.1 Installation Procedures  | 4  |
| 3 Using the Dashboard        | 5  |
| 3.1 General                  | 5  |
| 4 Configuration              | 6  |
| 4.1 System                   | 6  |
| 4.1.1 Admin Security         | 6  |
| 4.1.2 Firmware               | 8  |
| 4.1.3 Time                   | 9  |
| 4.1.4 Event Log              | 9  |
| 4.1.5 Controller             | 10 |
| 4.1.6 Configuration          | 11 |
| 4.1.7 Reboot                 | 12 |
| 5 Monitoring Device Status   | 13 |
| 5.1 Device                   | 13 |
| 5.2 Event Log                | 14 |
| 6 Restoring Factory Defaults | 14 |
| 7 Appendix                   | 15 |

# 1 Package Contents

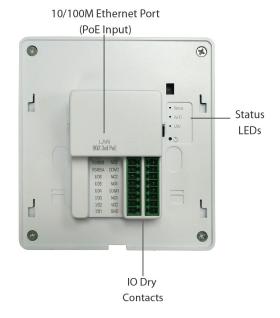
- 1 x Smart Terminal
- 1 x Instruction sheet

# 2 Hardware Overview

## Front/Top View

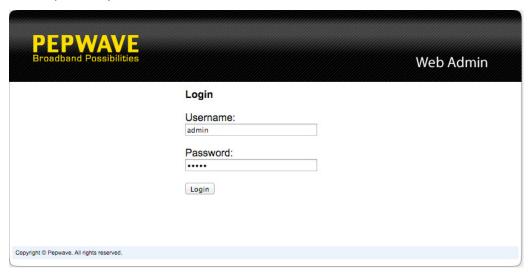


### **Rear Panel View**



### 2.1 Installation Procedures

- Connect the Ethernet port on the unit to the backbone network using an Ethernet cable. The port should auto sense whether the cable is straightthrough or crossover.
- 2. Plug in the PoE Cable.
- 3. Wait for the status LED to turn green.
- 4. Connect a PC to the backbone network. Configure the IP address of the PC to be any IP address between 192.168.0.4 and 192.168.0.254, with a subnet mask of 255.255.255.0.
- 5. Using Microsoft Internet Explorer 6 or above, Mozilla Firefox 2.0 or above, or Google Chrome 2.0 or above, connect to https://192.168.0.3.
- 6. Enter the default admin login ID and password, **admin** and **public** respectively.



7. After logging in, the Dashboard appears. Click the **System** tab to begin setting up your access point.



# 3 Using the Dashboard

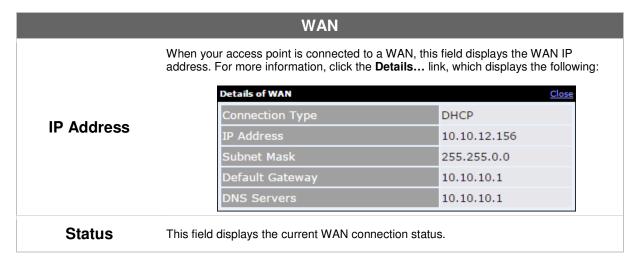
The **Dashboard** section contains a number of displays to keep you up-to-date on your access point's status and operation. Remote assistance can also be enabled here.



### 3.1 General

This section contains WAN status and general device information.





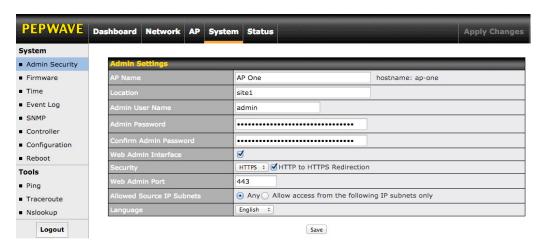


| Device Information |   |  |
|--------------------|---|--|
| Model              | This field displays your access point's model number.                             |  |
| Firmware           | The firmware version currently running on your access point appears here.         |  |
| Uptime             | This field displays your access point's uptime since the last reboot or shutdown. |  |

# 4 Configuration

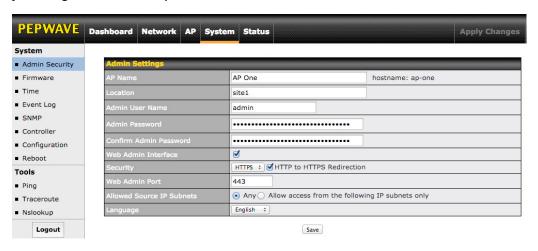
# 4.1 System

The options on the **System** tab control login and security settings, firmware upgrades, SNMP settings, and other settings.

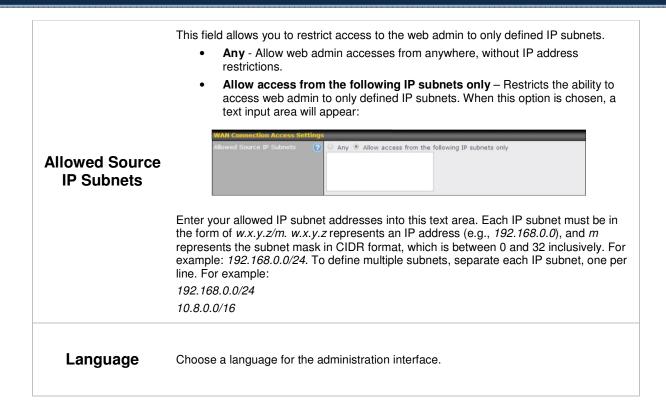


### 4.1.1 Admin Security

The **Admin Security** section allows you to set up your access point's name, password, security settings, and other options.

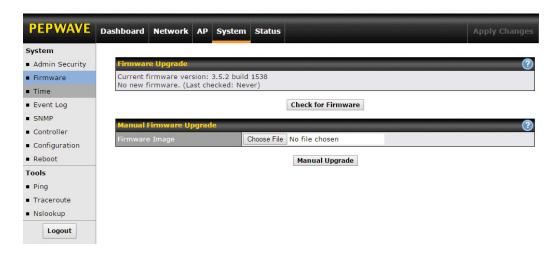


| Admin Security            |  |
|---------------------------|--|
| Device Name               | Enter a name to identify your Smart Terminal. This name can be retrieved via SNMP.   |
| Location                  | Enter a name to identify the location of your access point. This name can be retrieved via SNMP.   |
| Admin User<br>Name        | This field specifies the administrator username of the web admin. It is set as <i>admin</i> by default.  |
| Admin Password            | This field allows you to specify a new administrator password. The default password is <i>public</i> .   |
| Confirm Admin<br>Password | Re-enter the admin password.   |
| Web Admin<br>Interface    | Check this box to turn on the web administration interface, which allows remote AP management.   |
| Security                  | Choose <b>HTTP</b> or <b>HTTPS</b> as the protocol to use when accessing the web admin interface. To automatically redirect HTTP access to HTTPS, check <b>HTTP to HTTPS Redirection</b> . |
| Web Admin Port            | Specify the port number on which the web admin interface can be accessed.  |



#### 4.1.2 Firmware

The **Firmware** section lets you check the firmware version currently used by your access point, as well as check for and install new firmware via online download. You can also upgrade your firmware using a firmware file stored locally.



To check for new firmware, click the Check for Firmware button. If new firmware is

available, your access point will automatically download and install it.

To upgrade your access point using a firmware file on your network, click **Choose File** to select the firmware file. Then click **Manual Upgrade** to initiate the firmware upgrade process using the selected file.

Note that your access point can store two different firmware versions in two different partitions. A firmware upgrade will always replace the inactive partition. If you want to keep the inactive firmware, simply reboot your device with the inactive firmware and then perform the firmware upgrade.

#### 4.1.3 Time

The settings in this section govern the access point's system time zone and allow you to specify a custom timeserver.

|             | Time   |
|-------------|--|
| Time Zone   | Time region used by the system. All choices are based on UTC.  |
| Time Server | To choose a time server other than the default, enter the URL here. To restore the default time server, click the <b>Default</b> button. |

#### 4.1.4 Event Log

The section allows you to turn on event logging at a specified remote syslog server.



| Event Log             |   |
|-----------------------|---|
| Remote Syslog         | Check this box to turn on remote system logging.  |
| Remote Syslog<br>Host | Enter the IP address or hostname of the remote syslog server, as well as the port number. |

### 4.1.5 Controller

In the **Controller** section, you can set up Peplink InControl or AP Controller remote management.



| Controller Management Settings |  |
|--------------------------------|--|
| Controller<br>Management       | Check this box to enable remote management.  |
| Controller Type                | Select <b>Auto</b> , <b>InControl</b> , or <b>AP Controller</b> as your remote AP management method. When <b>Auto</b> is selected, your access point will automatically choose the appropriate mode. |

### 4.1.6 Configuration

In section, you can manage and backup access point configurations, as well as reset your access point to its factory configuration. Backing up your access point's settings immediately after successful initial setup is strongly recommended.



#### Configuration The Restore Factory Settings button resets the configuration to factory default Restore settings. After clicking the button, click the Apply Changes button on the top right **Configuration to** corner to make the settings effective. To save existing network settings when restoring **Factory Settings** factory settings, check the Network Settings box before clicking Restore Factory Settings. **Download Active** Click **Download** to backup the current active settings. Configurations To restore or change settings based on a configuration file, click Choose File to locate **Upload** the configuration file on the local computer, and then click Upload. The new settings can then be applied by clicking the Apply Changes button on the page header, or you **Configurations** can cancel the procedure by pressing discard on the main page of the web admin interface.

#### 4.1.7 Reboot

This section provides a reboot button for restarting the system. For maximum reliability, your access point can equip with two copies of firmware, and each copy can be a different version. You can select the firmware version you would like to reboot the device with. The firmware marked with **(Running)** is the current system boot up firmware.

Please note that a firmware upgrade will always replace the inactive firmware partition.



# 5 Monitoring Device Status

The displays available on the **Status** tab help you monitor device data, client activity, rogue device access, and more.

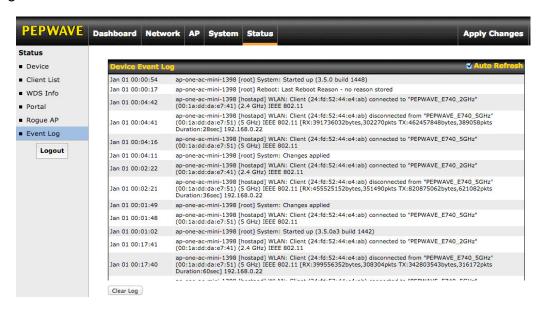
### 5.1 Device

Here you can access a variety of data about your access point, download a diagnostic report, and check MAC addresses. To download a diagnostic report, click the **Download** link.



### 5.2 Event Log

The **Event Log** displays a list of all events associated with your access point. Check **Auto Refresh** to refresh log entries automatically. Click the **Clear Log** button to clear the log.



# 6 Restoring Factory Defaults

The following procedure restores the settings of your access point to factory defaults:

- Power on the unit and wait for one minute.
- Press and hold the reset button for at least five seconds, then release.
- The unit will automatically reboot.
- Wait for one minute or until the status LED turns green, upon which the settings
  of the device will have been restored to the factory defaults.

By default, the unit will acquire an IP address from a DHCP server.

# 7 Appendix

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- 5.15 ~ 5.25GHZ is for indoor user only.

#### **IMPORTANT NOTE**

### FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination.

### Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

To maintain compliance with the RF exposure guidelines, place the unit at least 20cm from nearby persons. Mise en garde\_: Pour assurer la conformité aux directives relatives à l'exposition aux fréquences radio, le jouet doit êtreplacé à au moins 20 cm des personnes à proximité.

### Caution:

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iii) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5650-5850 MHz and that these radars could cause *interference and/or damage to LE-LAN devices*.

### Avertissement:

- (i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5 850MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation non point à point, selon le cas;
- (iii) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des *dommages aux dispositifs LAN-EL*.

www.pepwave.com

### **Contact Us:**

### Sales

http://www.pepwave.com/contact/sales/

### **Support**

http://www.pepwave.com/contact/

# **Business Development and Partnerships**

http://www.pepwave.com/partners/channel-partner-program/