

# AMERICAN CHANGER, ROWE, TRIAD & HOFFMAN MINT™

*Changing the Industry*™

1400 N. W. 65<sup>th</sup> Place, Fort Lauderdale, Florida 33309

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## Webserver Installation and Setup Instructions

**NOTE: This document is for the Linksys N300 Wi-Fi, model E1200-NP used as the primary network router.**

### Section 1 – Webserver and Router Settings

Module LAN IP and Port:

**Module 1**

IP address: 192.168.100.94

PORT: 80

Router LAN IP and login information:

**Local**

IP Address: 192.168.100.1


MAC: B4750EC75239


**Linksys N300 Access**

Username: ACC

Password: AmericanChanger1

### Section 2 – Webserver Board Connection

 **WARNING**



**Electric Shock Hazard**

**Disconnect all electrical power to the machine before servicing.**  
**Electric shock will occur while servicing the machine with electrical power applied to it.**  
**Failure to follow these instructions may result in death, injury, product damage, or property damage.**



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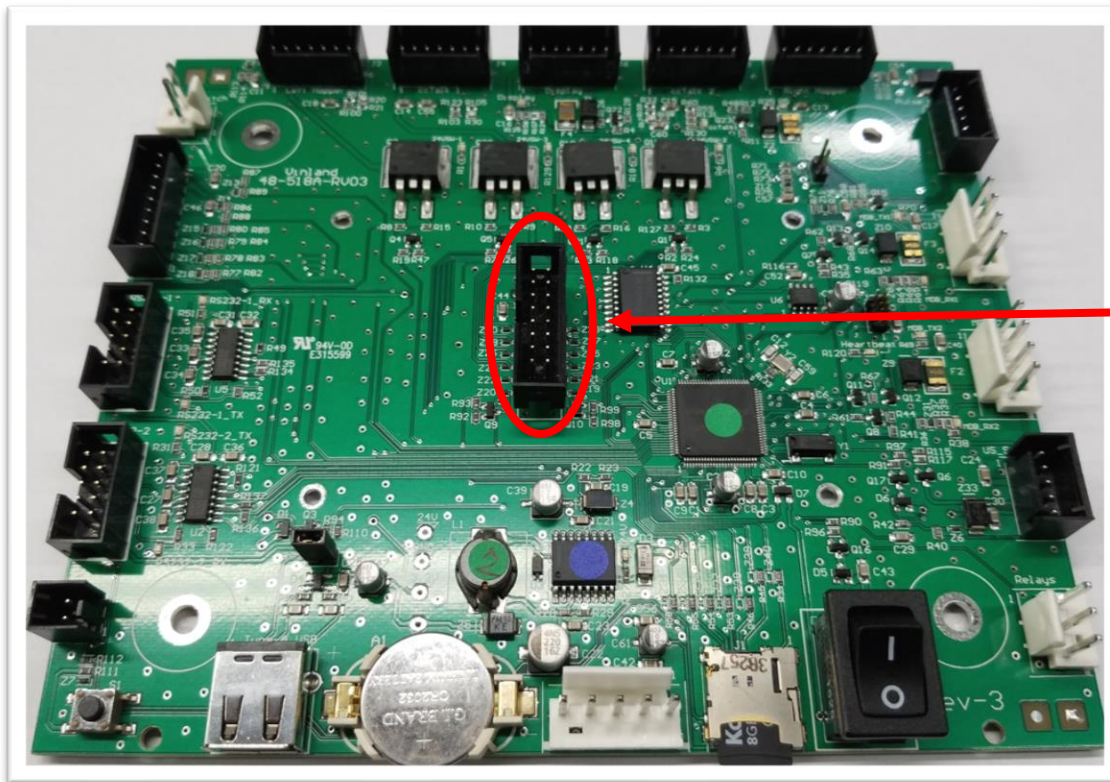
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## 2.1 – Connecting the Webserver Board to the Flex-2 Board

**Note: Your machine or kit will come with the Webserver already connected to the Flex-2 Board. Section 2.1 is for reference only and is only needed in the event the Webserver is removed or needs to be replaced.**

Prior to performing any work; turn off the machine and disconnect power to the machine by unplugging the power cord from the wall outlet or by turning off the circuit breaker being used by the machine. The Webserver connects to Flex-2 board through the expansion connector. In the event there are other optional daughter boards connected to the expansion connector make sure the Webserver is the “top” board in the stack of optional daughter boards. Use the four supplied spacers and mounting screws to securely mount the Webserver board.



The Webserver Board connects here.



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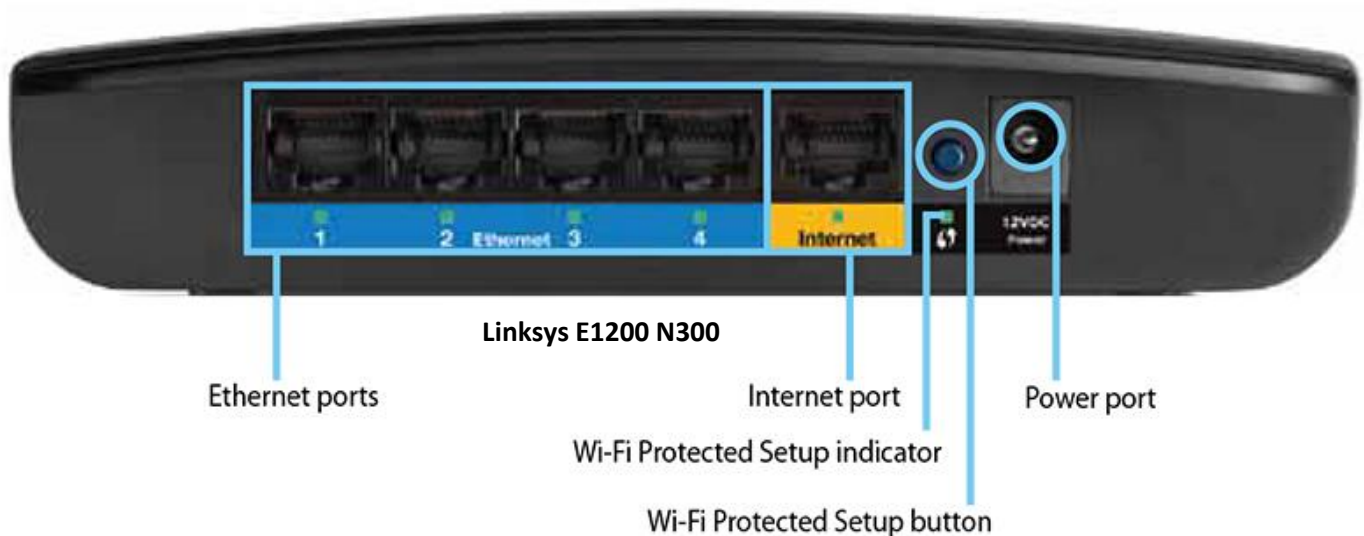
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## 2.2 – Connecting the Webserver to Linksys N300 Router

Connect a Cat 6 twisted pair ethernet cable from the Webserver board to any of the available “Ethernet” ports (1-4) of the Linksys N300 router. Then connect a Cat 6 twisted pair ethernet cable from your main router, provided by your internet service provider, to the yellow “Internet” port on the Linksys N300 router. Finally connect one end of the power adaptor cable to the power port and the other end to an available power outlet.



## 2.3 – Wrapping Up Installation

Plug the machine back into the wall outlet and turn on the machine.

## Section 3 – Accessing the Machine Remotely

**Note: The Webserver has been tested with several browsers (e.g. Chrome, Firefox, and Microsoft Edge) for compatibility. However, browsers are often updated and this sometimes causes problems for web connected devices. If you experience a problem please try a different browser.**

It is easy to mix up WAN (Wide Area Network) with LAN (Local Area Network). Both have an IP address.

The Webserver’s LAN IP address is used internally at the location of the Webserver’s installation and by other computers and routers at that location.



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The LAN is then connected through a router to a modem that connects to the Internet. The modem is normally provided by the ISP (Internet Service Provider), for example by Comcast or AT&T.

The modem is assigned a WAN IP address by the ISP. This WAN IP address is the address used to access the machine remotely. A WAN IP address can be static (meaning it does not change) or dynamic (meaning it always changes). A static WAN address is required for remote access of the Webserver. You need to contact your ISP to request a static WAN IP address. Some Internet Service Providers can setup their routers with the static IP or help the customer set their own router.

## **Step 1 - Find WAN IP address**

Validate the static WAN IP address given by the ISP (Internet Service Provider) visiting <https://whatismyipaddress.com/> Once validated, be sure to make a copy of the IP address displayed as this address will be used to access the machine remotely. This step must be done at the Webserver's location.

## **Step 2 - Connect from a remote location**

Open your web browser of choice and type the static WAN IP address from step 1 followed by a colon and then 80. See example below.

<http://XXX.XXX.XXX.XXX:80>. The XXXs represent the static WAN IP address.

## **Step 3 - Logging In**

Once Step 2 had been complete successfully the login page will appear. You will be asked to enter a password. The password used here is the same as the access code for the machine. By default all equipment is shipped out with an access code of 1234. This can be changed in the program menu of the machine. Once the code has been entered press the Submit button to acknowledge the entry.



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## Section 4 – Webpage Tab Descriptions

Note: Some of the screen shots shown below differ based on the model of the machine. The examples below are for the AC7914.

The screenshot displays the Home Tab of the American Changer web interface. The page has a yellow background and a blue header with the company logo and tagline. A navigation menu is located at the top, with 'Home' highlighted. The main content area is divided into five sections, each with a table of data:

- Sales:** A table with two columns: Description and Amount. The row shows 'Total Cash' with an amount of '\$20,180.00'.
- Equipment Status:** A table with two columns: Description and State. The rows include: Quad Station (Ok), Temperature (22DegC), Coin Acceptor (Ok), Validator 1 (Ok), Validator 2 (Disabled), Cassette 1 (Ok), Cassette 2 (Ok), Cassette 3 (Ok), Cassette 4 (Ok), Printer (No Comm.), and Display (Ok).
- Time/Date:** A table with two columns: Description and Value. The rows include: Current Time (15:22) and Current Date (11/07/16).
- Last Transaction:** A table with two columns: Description and Amount. The rows include: Amount Inserted (\$100.00), Amount Dispensed (\$151.00), and Amount Owed (\$0.00).
- System Software:** A table with two columns: Description and Version. The rows include: Flex Software (FX2V-1A-A09) and Website (NBFQ-0A-E07).

At the bottom of the page, there is a 'Location' field with the text 'Menu 22 For Heading'.

Home Tab

**Home Tab** – Sales, Equipment Status, Time/Date, Last Transaction, and System Software are displayed in this Tab. These values are updated dynamically by the Flex system, giving up to the minute information.





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Login Home Audit Information Configuration Network Settings Email

Description	Reset Counters	Non Reset Counters
\$ 1	0	0
\$ 2	0	0
\$ 5	108	108
\$ 10	100	100
\$ 20	87	87
\$ 50	108	108
\$ 100	115	115
Cassette1	23,626	NA
Cassette2	29,504	NA
Cassette3	26,876	NA
Cassette4	25,540	NA
Bills Rejected	0	NA
Total Cash	\$20,180.00	\$20,180.00
Sequence Number		0

Status:

**Audit Information Tab**

**Audit Information Tab** – Resettable and Non-Resettable Counters are displayed in this tab. The counters can be reset from this tab as well.





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Login Home Audit Information Configuration Network Settings Email

Payout Table	Current Payout	NA	Current Payout	NA
\$ 1	NA	<input type="text"/>	NA	<input type="text"/>
\$ 2	NA	<input type="text"/>	NA	<input type="text"/>
\$ 5	NA	<input type="text"/>	NA	<input type="text"/>
\$ 10	NA	<input type="text"/>	NA	<input type="text"/>
\$ 20	NA	<input type="text"/>	NA	<input type="text"/>
\$ 50	NA	<input type="text"/>	NA	<input type="text"/>
\$ 100	NA	<input type="text"/>	NA	<input type="text"/>

Enter number of bills: 1, 5, 10, etc.

Time & Date	Current(Time & Date)	Entry Field
24 Hour Time(hh:mm)	15:23	<input type="text"/>
Date(MM/DD/YY)	11/07/16	<input type="text"/>

Current Location Name	New Location Name
Menu 22 For Heading	<input type="text"/>

Configuration Tab

**Configuration Tab** – This tab allows the operator to send a new payout configuration, time, and date to the machine.





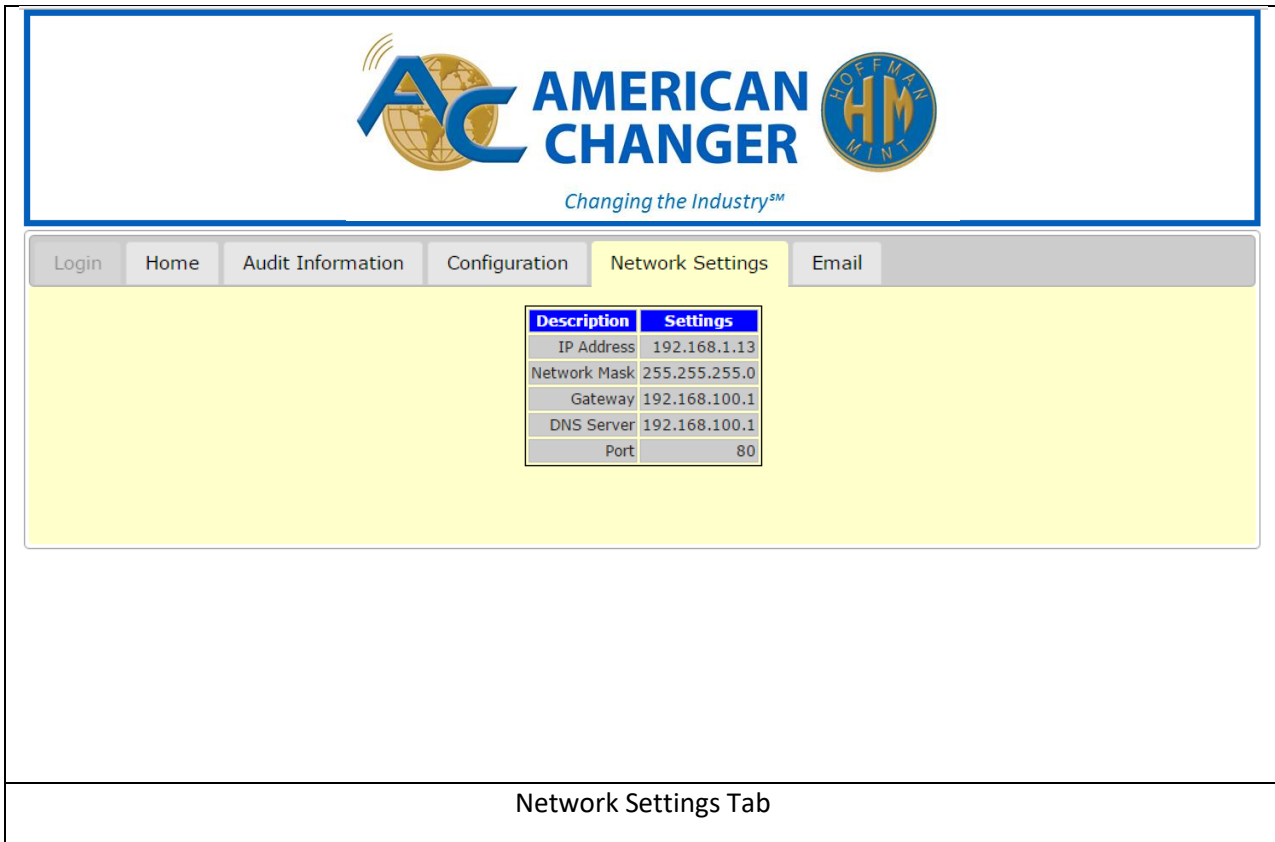
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Description	Settings
IP Address	192.168.1.13
Network Mask	255.255.255.0
Gateway	192.168.100.1
DNS Server	192.168.100.1
Port	80

Network Settings Tab

**Network Settings Tab** – This tab displays the IP Address, Network Mask, Gateway, DNS Server, and Port settings







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Login Home Audit Information Configuration Network Settings Email

Description	Current Configuration	Entry Field Entry
Email To:		<input type="text"/>
Email From:		<input type="text"/>
Email SMTP Server:		<input type="text"/>
Email Username:		<input type="text"/>
Email Password:	****	<input type="password"/>
Email Authentication:		<input type="text"/>
Email Port Number:		<input type="text"/>

Status:

Email Tab

Below is a list of additional US and Canada SMS accounts:

**AT&T:** [10digitphonenumber@txt.att.net](mailto:10digitphonenumber@txt.att.net)

**MetroPCS:** [10digitphonenumber@mymetropcs.com](mailto:10digitphonenumber@mymetropcs.com)

**Sprint:** [10digitphonenumber@messaging.sprintpcs.com](mailto:10digitphonenumber@messaging.sprintpcs.com)

**T-Mobile:** [10digitphonenumber@tmomail.net](mailto:10digitphonenumber@tmomail.net)

**Verizon:** [10digitphonenumber@vtext.com](mailto:10digitphonenumber@vtext.com)

Max is 64 characters per email. Below is an example:

Machine;000 Val;Fail/Ok C1;Fail/Ok C2;Fail/Ok C3;Fail/Ok C4;Fail/Ok Pt;Fail/Ok

Where: **Val:** Validator Status

**C1,C2,C3, C4:** Cassette Status

**Pt:** Printer Status



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Email Tab Continued

**Update: As of November 23, 2020 Yahoo is no longer supported by the Webserver. A gmail account is required in order to receive email updates from the machine.**

Login	Home	Audit Information	Configuration	IP Settings	Email
Description	Entry Field				
Email To: american.changer@yahoo.com	american.changer@yahoo.				
Email From: someone@yahoo.com	someone@yahoo.com				
Email SMTP Server: smtp.mail.yahoo.com	smtp.mail.yahoo.com				
Email Username: someone@yahoo.com	someone@yahoo.com				
Email Password: *****	*****				
Email Authentication: S	S				
Email Port Number: 465	465				

Submit Changes

The following information is needed from the email provider:

- Email SMTP Server
- Email authentication (S = TLS/SSL)
- Email port number

**Important:** Some providers need security settings be changed to allow alerts to be sent.

Most providers have this information public and can be retrieved by making a simple search as such:



This search will give you SMTP server settings for the provider GMAIL. As seen below, all the information needed can be extracted for this provider.



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## Use these settings:

1. **Gmail SMTP server address:** **smtp.gmail.com.**
2. **Gmail SMTP username:** Your **Gmail** address (for example, **example@gmail.com**)
3. **Gmail SMTP password:** Your **Gmail** password.
4. **Gmail SMTP port (TLS):** 587.
5. **Gmail SMTP port (SSL):** 465.
6. **Gmail SMTP TLS/SSL required:** Yes.

Additional Settings

Email: Your Username's Gmail

Info: server SMTP

Username: yourusername@gmail.com

Password: \*\*\*\*\*

Server: smtp.gmail.com

Port: 587

Protection: SSL

Outbox server (SMTP)

Username: yourusername@gmail.com

Password: \*\*\*\*\*

Server: smtp.gmail.com

Port: 587

www.wpsitecare.com

For example, Gmail requires the following security settings be changed:  
My Account -> Sign-in & Security -> Allow less secure Apps

Because there are several providers available, it is difficult to know all the different security settings required if any are needed. In the event alerts are not being sent, contact the email provider for assistance.

## Section 5 – Troubleshooting Common Errors

**Cannot access the Webserver's LAN IP.** There are several reasons this can occur; the following are a couple of steps to take:

Step1. Make sure the Webserver's network connector LED1 or LED2 are on. If your network does not support (10/100), LED1 could be off, that's OK. Green LED labeled 5V next to component U13\_1 must be on, showing power to the Webserver.

Step2. LED Rx and Tx will be flashing, showing communication between the unit and the Webserver.

Step3. It is important that the LAN IP address selected for the Webserver does not match any other device IP address on the network or it will conflict.

Step4. At the time of release, the Webserver was tested with browsers Mozilla FireFox (25.0) and Google Chrome (30.0.1599), its recommended to upgrade if necessary.



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## Avoiding Network Issues

Perform this test to determine if the problem you are experiencing is network related or hardware related.

To bypass the local network, the Webserver can be connected straight to a laptop or PC. Simply connect a straight thru cable from the Webserver to the laptop or PC and open a web browser (Google Chrome or Mozilla FireFox) and type the IP Address (example: <http://192.168.1.1>). This step is performed in order isolate the hardware from the network. If you are able to connect then the issue you are experiencing is network related. If this step doesn't open the Webserver's page, you can try the following:

Step1. Open the software that shipped with the Webserver (IP Setup). Make sure that the Webserver is powered before proceeding. Once the software opens, the Webserver will appear under "Select a Unit". The IP address will be displayed after the word "at".

Step2. Use the IP Setup software to match the IP settings of the laptop. Make sure not to use the same IP address on either the laptop or the Webserver. Example: Laptop's IP Address 192.168.1.1, then change Webserver's IP Address to 192.168.1.2. The Network Mask, Gateway, and DNS can be the same. After changes have been done, click on the Set button to accept changes.

