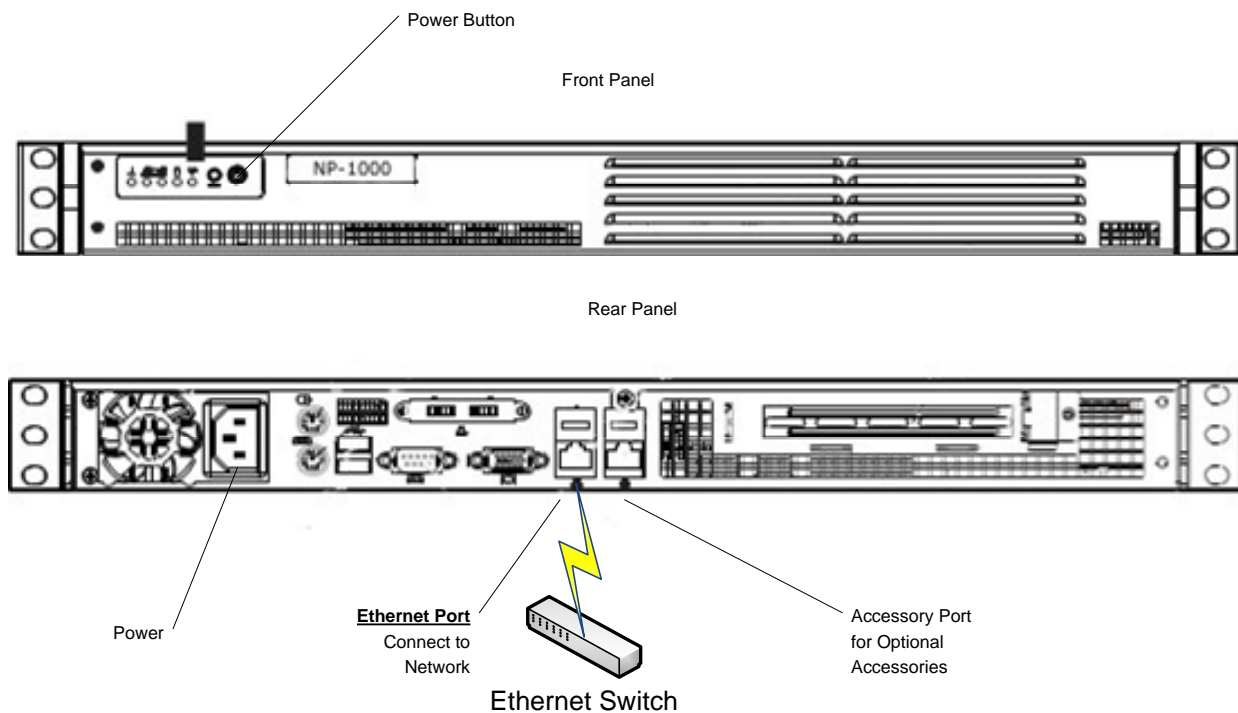


# NP-1000 SIP Phone and Paging System Manual

Welcome to the NP-1000 SIP Phone and Paging System. Setting up a new system is very easy. In a few easy steps, we will assign an IP address, build the extensions, and group the extensions.

First, we must connect the Power to a working outlet and the Ethernet connection to the network. Please note: If you are facing the rear of the unit, the Ethernet jack is the one on the left. The one on the right is used for accessories. Press the power button to turn the unit on after connecting the power and Ethernet.

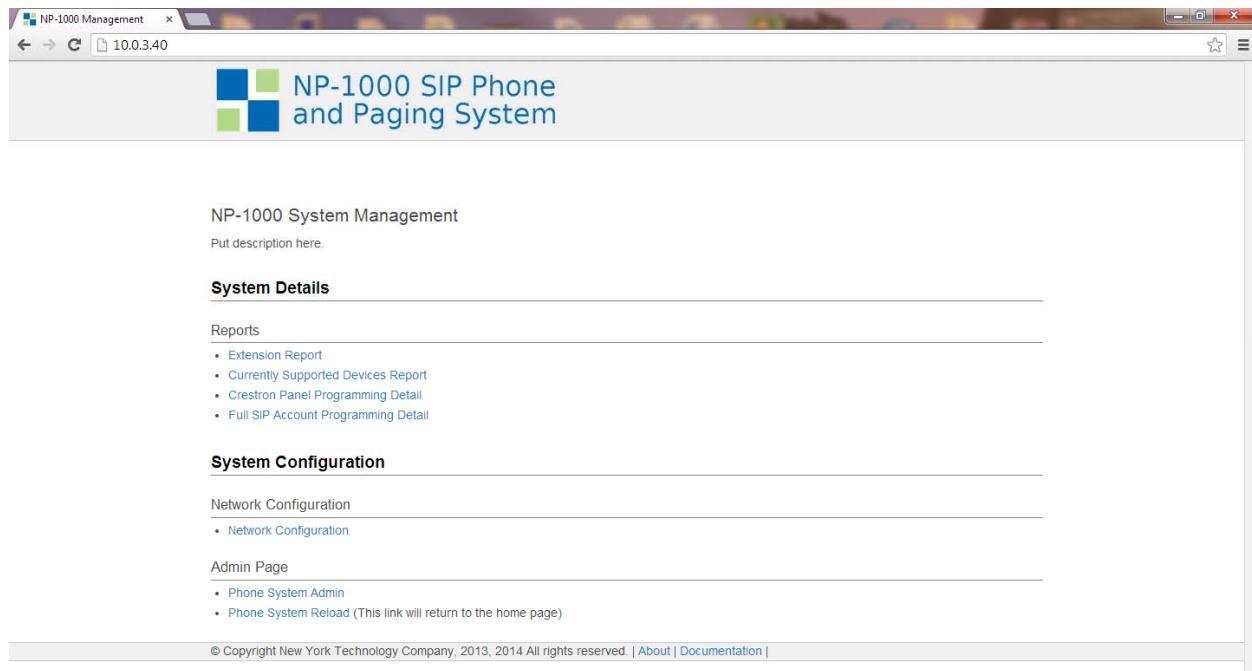


The default IP address is: 10.0.3.40, default netmask is: 255.255.255.0 default gateway is: 10.0.3.1

Set a static IP on your laptop to anything in the 10.0.3.0/24 range.

Point your browser to: <http://10.0.3.40>

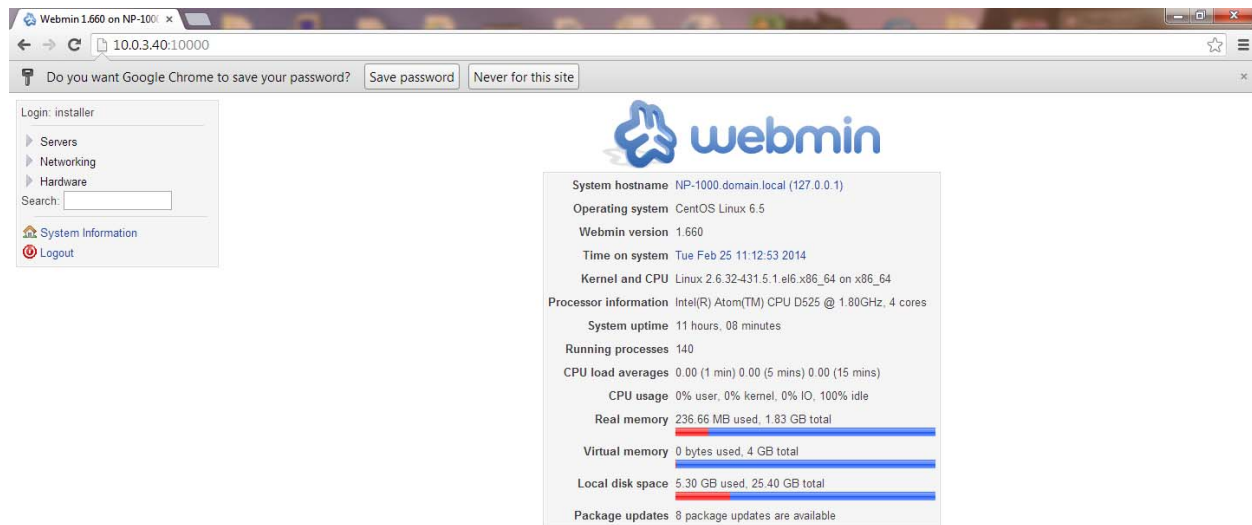
You will see the following screen:



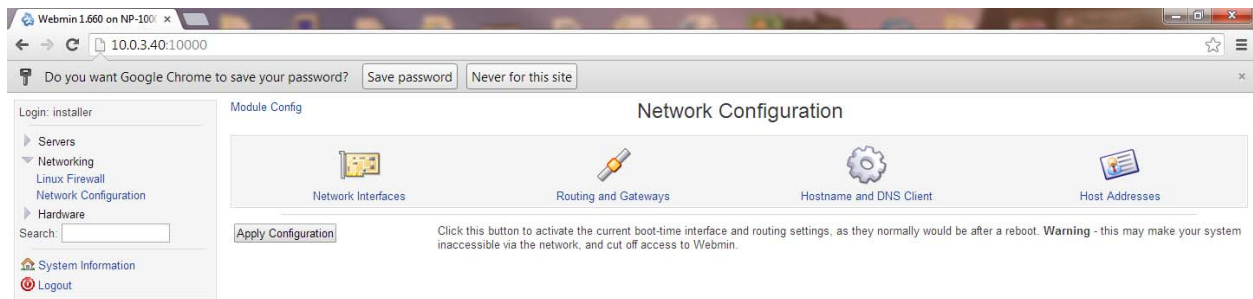
If you need to set a different IP, click on **“Network Configuration”**

The username is: **installer**

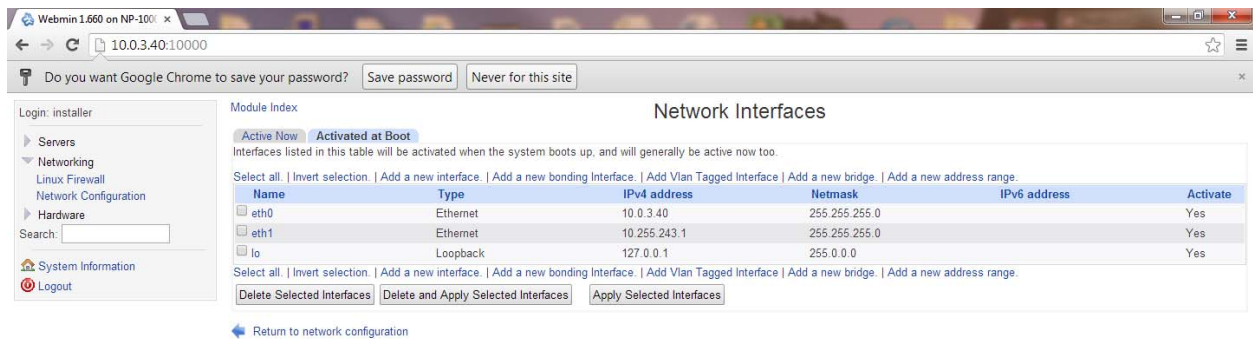
The password is: **Inst@ll3r** (please note, the capital “I”)



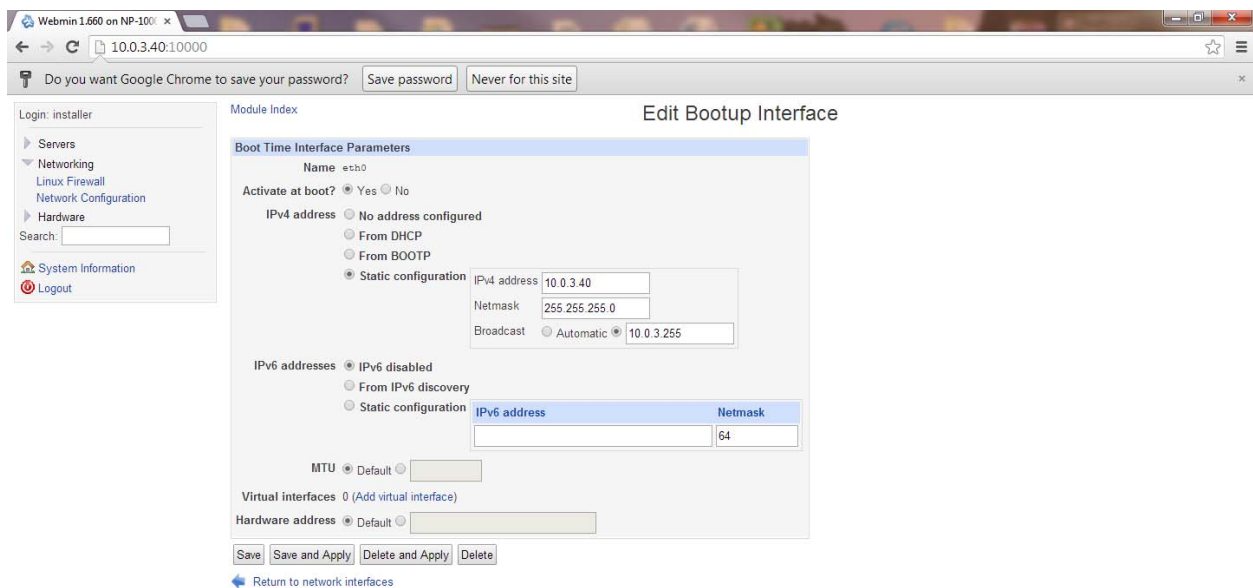
Click on: **“Network Configuration”**



Click on: **“Network Interfaces”**:



Click on: the **“Activated At Boot”** Tab and click on: **“eth0”**:



Modify as necessary and click: **“Save and Apply”**.

Change your laptop's IP to an IP in the new range and log in using the new IP.

Click: **“Return to network interfaces”** then click: **“Return to network configuration”** at the bottom of the pages.

Click: **“Routing and Gateways”**.

Click: the **“Boot Time Configuration”** tab.

Webmin 1.660 on NP-1000 x

10.0.3.40:10000

Do you want Google Chrome to save your password? Save password Never for this site

Login: installer

Servers

Networking

Linux Firewall

Network Configuration

Hardware

Search:

System Information

Logout

Module Index

### Routing and Gateways

**Boot time configuration** Active configuration

This section allows you to configure the routes that are activated when the system boots up, or when network settings are fully re-applied.

**Routing configuration activated at boot time**

**Default routes**

Interface	Gateway	IPv6 gateway
Any	10.0.3.1	

Act as router? ☒ Yes ☐ No

**Static routes**

Interface	Network	Netmask	Gateway

**Local routes**

Interface	Network	Netmask

Save

Return to network configuration

Modify as necessary then click: **“Save”**.

Click: **“Logout”**.

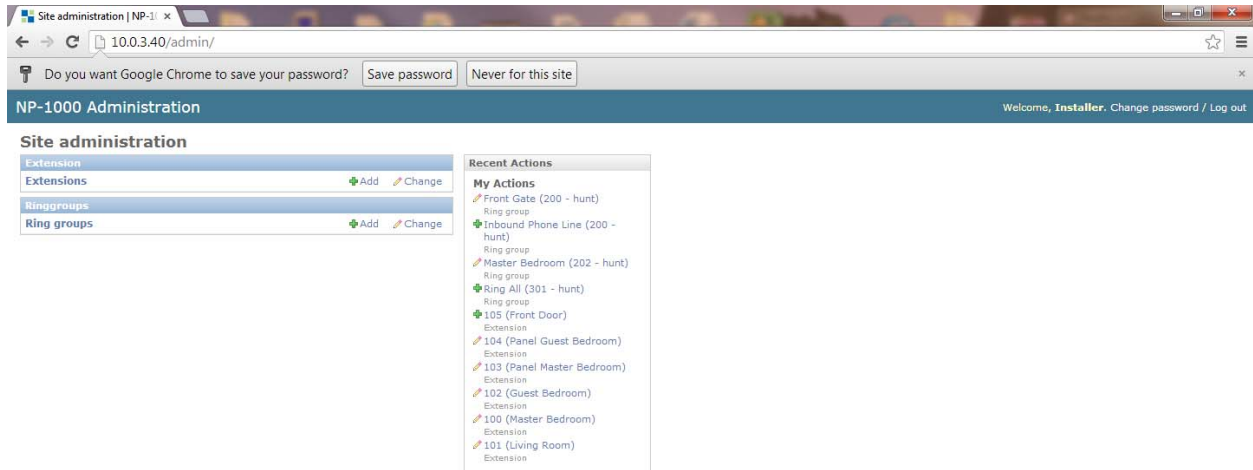
Close your browser window and open a new window. Browse to the IP of the NP-1000.

You are now ready to build your extension List.

Click: **“Phone System Admin”**

Username: **installer**

Password: **Inst@ller**



Next to extensions, click: **“+Add”**.

Fill out the form:

Ext = Extension Number, Example: “100”

Name = The Display Name, Example: “Master Bedroom”

Aliases = You can leave Blank

Vm enable = Voicemail Enable

Pin: = Voicemail Pin

Email address: User’s e-mail address

Click: **“+Add another SIP Account”**

Username = Extension number or username of your choosing

Password = generated automatically

Device type: Choose your supported device type.

Change extension | NP-1000 x

100.3.40/admin/extension/extension/1/

NP-1000 Administration Welcome, **Installer**. Change password / Log out

Home > Extension > Extensions > 100 (Master Bedroom)

### Change extension History

Ext:

Name:

Aliases:

Caller ID [\(Show\)](#)

**Voicemail**

Voicemail Features

☒ Vm enable

Pin:

Email address:

Voicemail Advanced Options [\(Show\)](#)

**Sip Accounts**

Sip Account: 100 (100 (Master Bedroom)) Delete

Although not enforced, alphanumeric usernames and strong passwords are highly recommended.

Username:

Password:

Device type:

Device Details [\(Show\)](#)

[Add another Sip Account](#)

[Delete](#) [Save and add another](#) [Save and continue editing](#) [Save](#)

Click: **“Save”**

Once you have completed adding all the extensions, click home and then click: **“+Add”** next to **Ring Groups**.

Ext = the extension you want to dial to activate the ring group. Example: 300

Descr = Description. Example: Front Gate

Type = Ring Group, Paging Group, or Multiroom Intercom (please note: Multiroom Intercom is under development).

Members = Simply select the members that will ring or page.

Change ring group | NP-1000 x

100.3.40/admin/ringgroups/ringgroup/1/

NP-1000 Administration Welcome, **Installer**. Change password / Log out

Home > Ringgroups > Ring groups > Master Bedroom (202 - hunt)

### Change ring group History

Ext:

Descr:

Type:

Members:

Hold down "Control", or "Command" on a Mac, to select more than one.

[Delete](#) [Save and add another](#) [Save and continue editing](#) [Save](#)

Click: **“Save”**

### **Verify your programming:**

Click on Extension Report.

### **Programming panels and phones:**

Depending upon the device you are programming, you can choose either the Full SIP Account Programming Detail of the Crestron Panel Programming Detail.

To program Crestron panels, simply click: the **“Crestron Panel Programming Detail”**. Log into the particular device using text console and simply copy and paste the code from the browser into text console.

The screenshot shows a web browser window with the address bar displaying "10.0.3.40/reports/crestronprog/". The page title is "NP-1000 SIP Phone and Paging System". The main content area is titled "NP-1000 Crestron Panel Programming Details" and includes a "Download Text File" link. Below this, there is a section for "SIP Account Programming for Configured Crestron Devices". The first entry is for "Extension: 103 (Panel Master Bedroom)" with "Device Type: Crestron TSW-750". A text box contains the following SIP configuration details:

```
SIPMODE server
SIPLOCALEXT 103
SIPLOCALNAME 103
SIPPAGEGROUP A
SIPSRVREALM np1000
SIPSRVNAME 10.0.3.40
SIPSRVIPADDRESS 10.0.3.40
SIPSRVUSER 103
SIPSRVPASS 50tovFsfcQw87u11
SIPPROXYSRV 10.0.3.40
SIPMULTICASTADDRESS 233.209.166.20
SIPMULTICASTPORT 8000
```

The second entry is for "Extension: 104 (Panel Guest Bedroom)" with "Device Type: Crestron TPMC-4SM-FD". A text box contains the following SIP configuration details:

```
SIPMODE server
SIPLOCALEXT 104
```

To program phones, click: on **“Full SIP account Programming Details”**

Program the phones as per the manufacturer’s recommendations:

NP-1000 SIP Phone and Paging System

### NP-1000 SIP Account Programming Details

SIP Account Programming for All Configured Devices

Extension	Device	SIP Username	SIP Authentication User	SIP Password	Registrar/Outbound Proxy
100 (Master Bedroom)	Snom 870	100	100	5OtoVfSfCQW87ull	10.0.3.40
101 (Living Room)	Snom 870	101	101	QhV1EN29KnjNhFMs	10.0.3.40
102 (Guest Bedroom)	Snom 870	102	102	QhV1EN29KnjNhFMs	10.0.3.40
103 (Panel Master Bedroom)	Crestron TSW-750	103	103	5OtoVfSfCQW87ull	10.0.3.40
104 (Panel Guest Bedroom)	Crestron TPMC-45M-FD	104	104	QhV1EN29KnjNhFMs	10.0.3.40
105 (Front Door)	Snom 870	105	105	qrAAejI45OtpMnzF	10.0.3.40

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When all programming is complete, click: on **“Phone System Reload”** on the main page.

NP-1000 SIP Phone and Paging System

### NP-1000 System Management

Put description here.

#### System Details

#### Reports

- Extension Report
- Currently Supported Devices Report
- Crestron Panel Programming Detail
- Full SIP Account Programming Detail

#### System Configuration

#### Network Configuration

- Network Configuration

#### Admin Page

- Phone System Admin
- [Phone System Reload](#) (This link will return to the home page)

10.0.3.40/reports/pbsreload/ |pany, 2013, 2014 All rights reserved. | [About](#) | [Documentation](#) |

### Quick Notes:

To dial an extension, simply dial the extension. Example: 100

To dial an intercom call, simply dial \*+ext. Example: \*100

To dial a ring group, simply dial the ring group. Example: 400



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