touch-plate®
LIGHTING CONTROLS

Time-Keeper MAX
Web Interface Quick Start

touch-plate® LIGHTING CONTROLS

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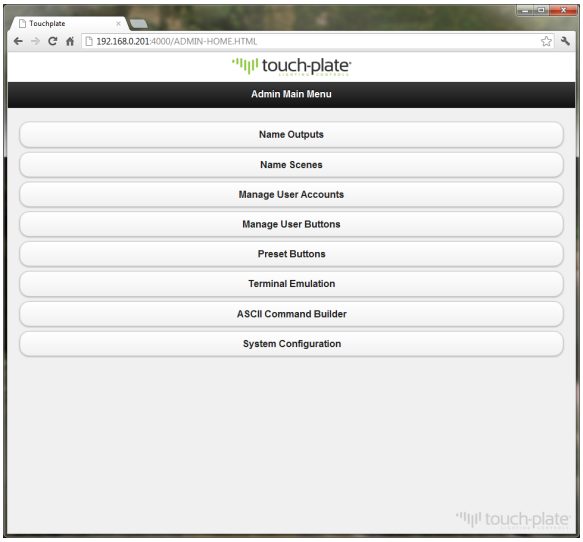
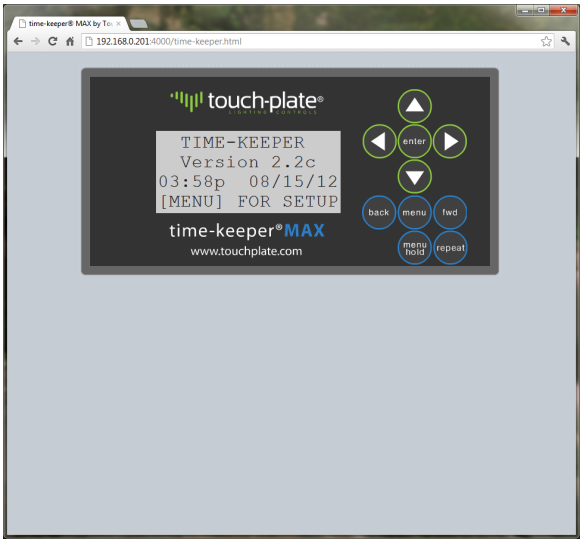
Time-Keeper® Max Web Interface Overview





The Time-Keeper MAX Web Interface is a collection of tools that allow you to seamlessly communicate with your Touch-Plate Time-Keeper Max lighting control system. It gives you the freedom to set up, manage, and operate your lighting system all from your computer or wireless device. The communication is done through a built in Web Server and is connected to your Time-Keeper MAX and your Internet Router.

The browser based application will allow you to turn lights on and off from your computer or hand-held wireless device.

The administrative account will allow you to set up different users with custom button settings so you can choose which lights each user has access to control.

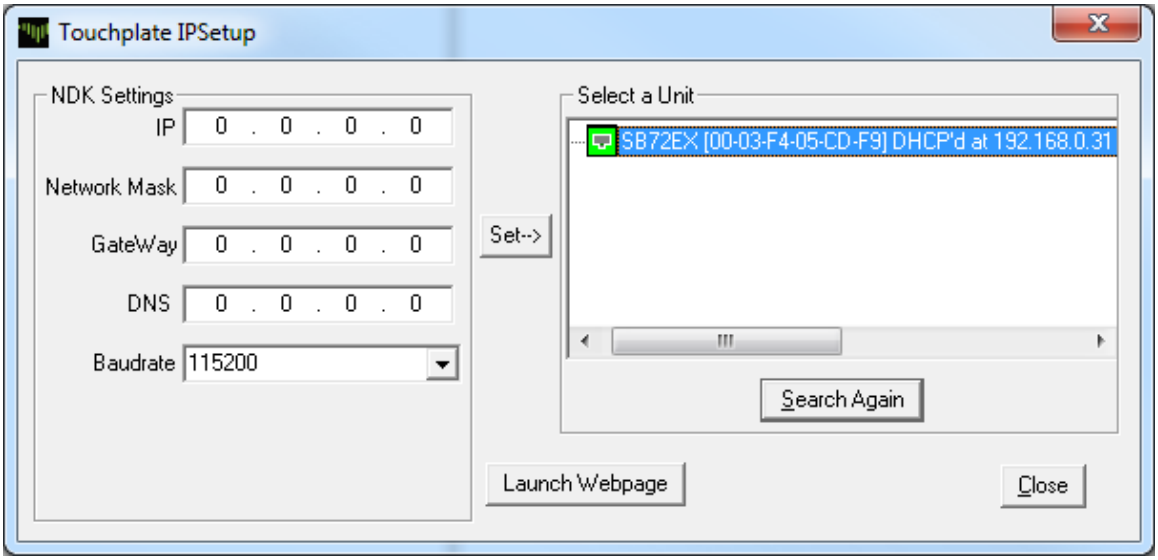
It also incudes a Terminal Emulation control that allows you to remotely "mimic" the Time-Keeper MAX buttons and commands. At times the lighting system panels are located in areas that are difficult to access, this control allows you the freedom to communicate with the Time-Keeper MAX and make changes to your system as they are needed from your computer or hand-held wireless device.

Additional Information: This manual covers the set up and operation of the Application Suite only. In order to fully understand and operate your Touch-Plate system you will need to read and familiarize yourself with all the functionality of the Time-Keeper Max. Please review your Time-Keeper Max system manual for a full understanding of it's functionality first before using this device.

IPSetup Tool

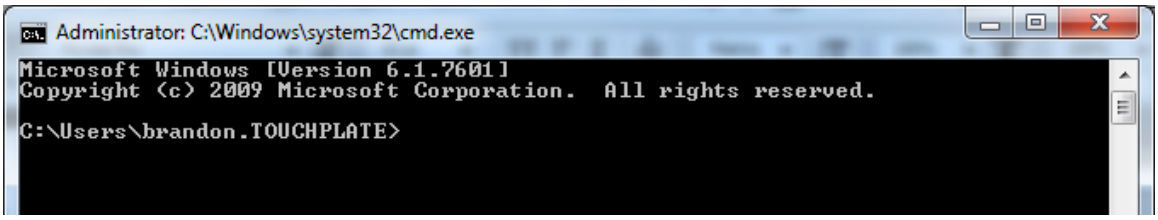
Start the IPSetup.exe application and discovery tool. You will need to be on a computer on the same network as the TIme-Keeper MAX Web Interface.

You'll see the following window:

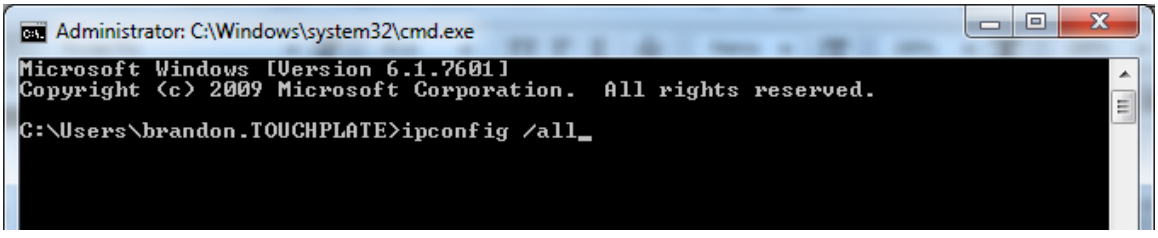


You will need to assign the Time-Keeper MAX Web Interface a Static(Fixed) IP Address. You will need the Network Mask, Gateway, and DNS information for your network. If you don't know what they are you can retrieve them on a Windows PC This way:

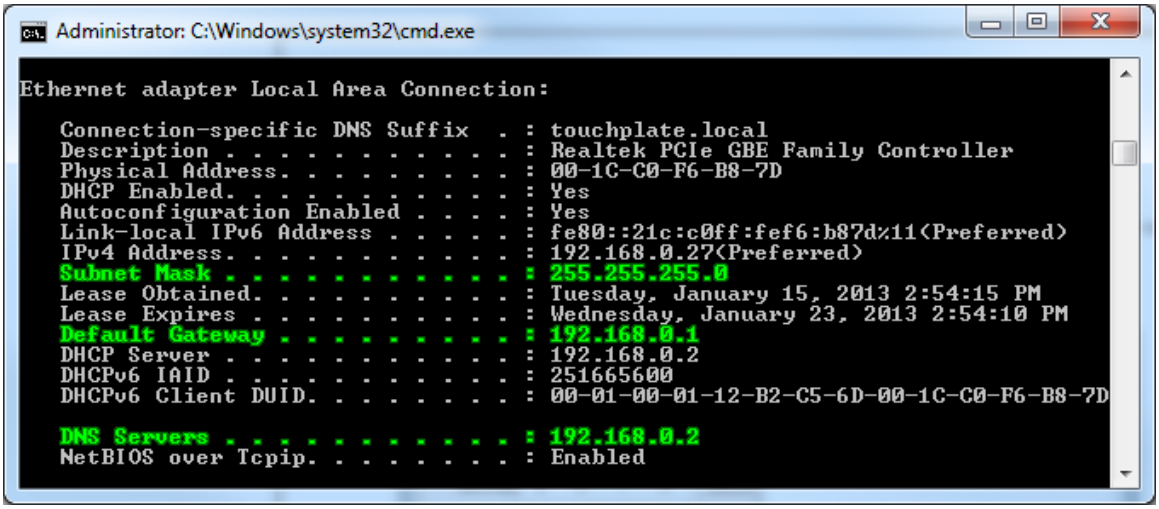
1. Click on the Start Menu and type cmd in the search box. When you see the cmd applications in Start menu panel, click it or just press enter. You should see something similar to the following window.



2. Type ipconfig /all and press enter.

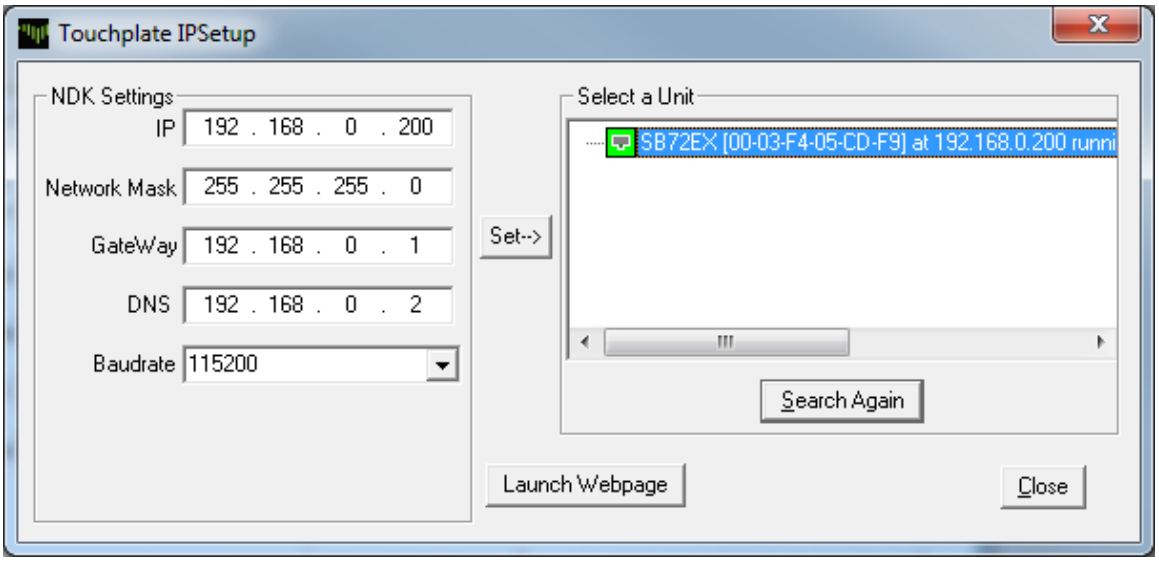


3. You should see the following screen. You will need the highlighted items. Copy those items into the same fields in the IPSetup Window.



4. You will need to give the Time-Keeper MAX Web Interface a unique IP Address. If you don't know which IP Addresses are already taken on the network it would be best to start in the upper end of the IP range, or outside of the DHCP range if you know it. A safe start would be 200. Use the first 3 numbers of the Default Gateway and 200 for your IP Address. Select the unit so it is highlighted as shown in the illustration below.

5. Enter all of the required information into the settings fields. After you have entered all of the information into the correct fields, verify the Baudrate is set to 115200 and click the Set-> button to configure and save the new IP Address, Network Mask, Gateway, and DNS settings. The unit will restart, after a few seconds you will be able to click on the Search Again button to rediscover the unit. The unit is now configured and you can click on it so it is highlighted as shown in the illustration below and click Launch Webpage to begin operation.



Time-Keeper MAX Web Interface

You can launch the Time-Keeper MAX Web Interface from the IPSetup.exe tool, or you can open your browser and type the IP Address(IP Address:Port if you changed it from default port 80) into the address bar and hit enter.

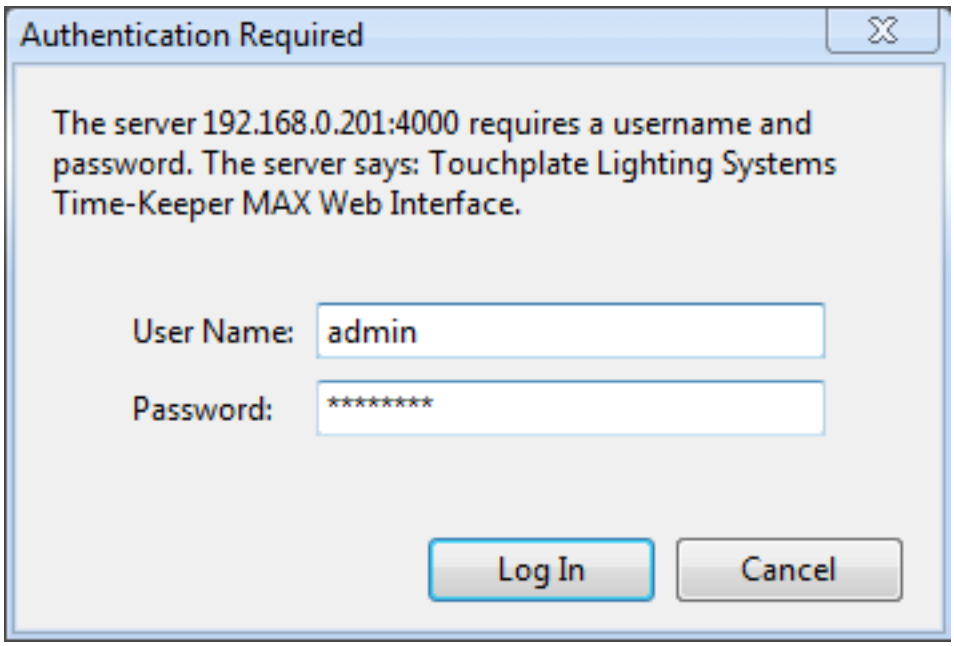
Example:

http://192.168.0.200

or

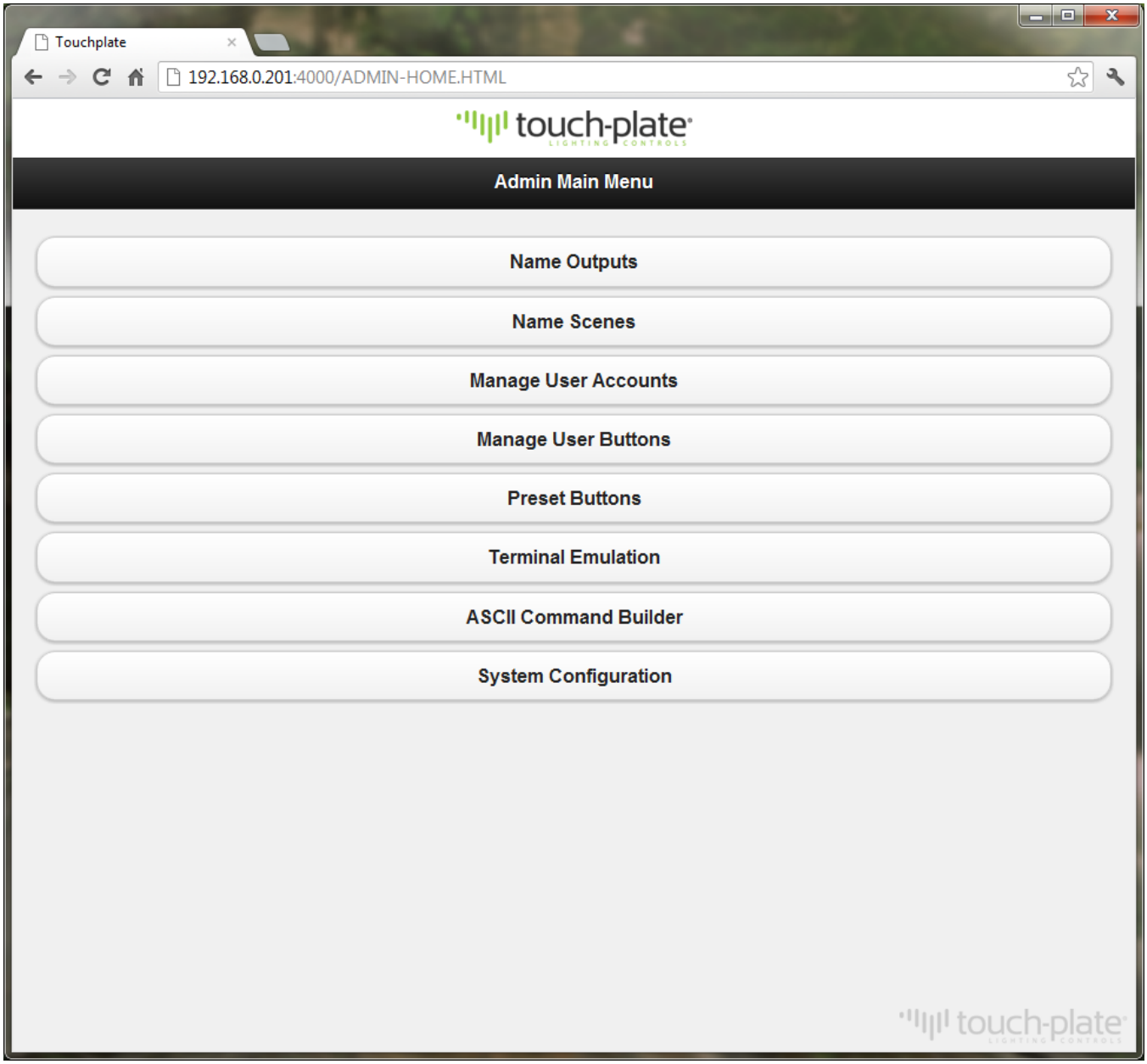
http://192.168.0.201:4000 for a unit with IP Address 192.168.0.201 and Port 4000

After doing this the following window will be displayed. The default User Name is *admin* and the default password is *password*. Both all lowercase.



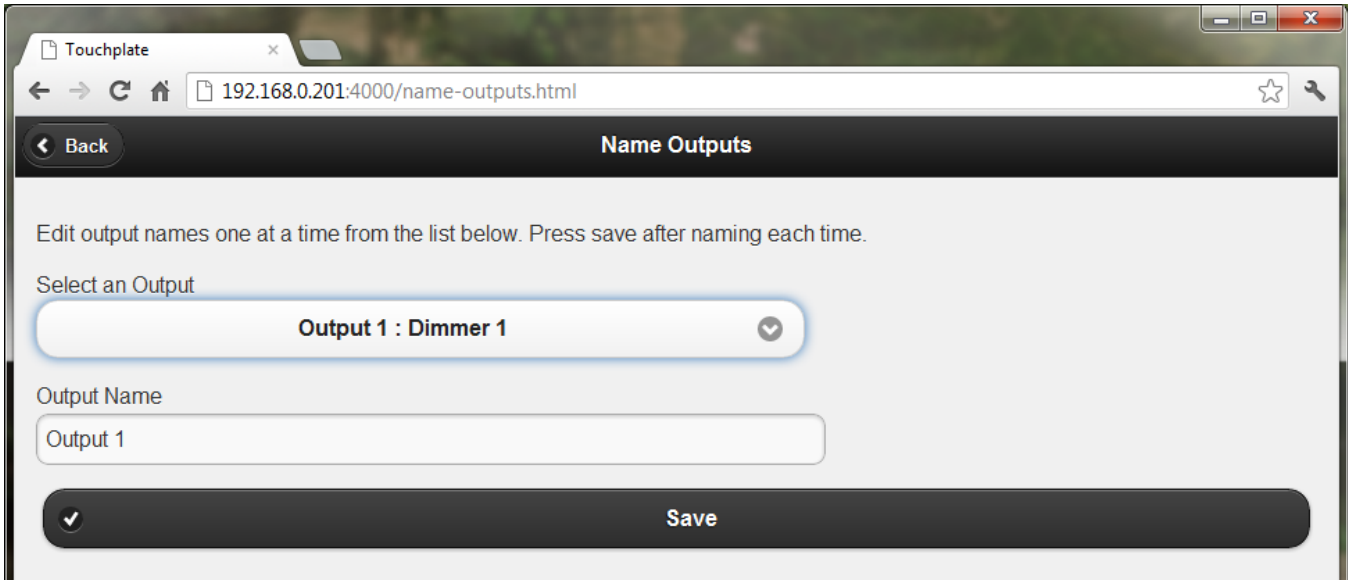
After entering your User Name & Password Click the Log In button. The Home Screen will be Displayed.

Home Screen


Touchplate
192.168.0.201:4000/ADMIN-HOME.HTML
touch-plate
Admin Main Menu
Name Outputs
Name Scenes
Manage User Accounts
Manage User Buttons
Preset Buttons
Terminal Emulation
ASCII Command Builder
System Configuration
touch-plate

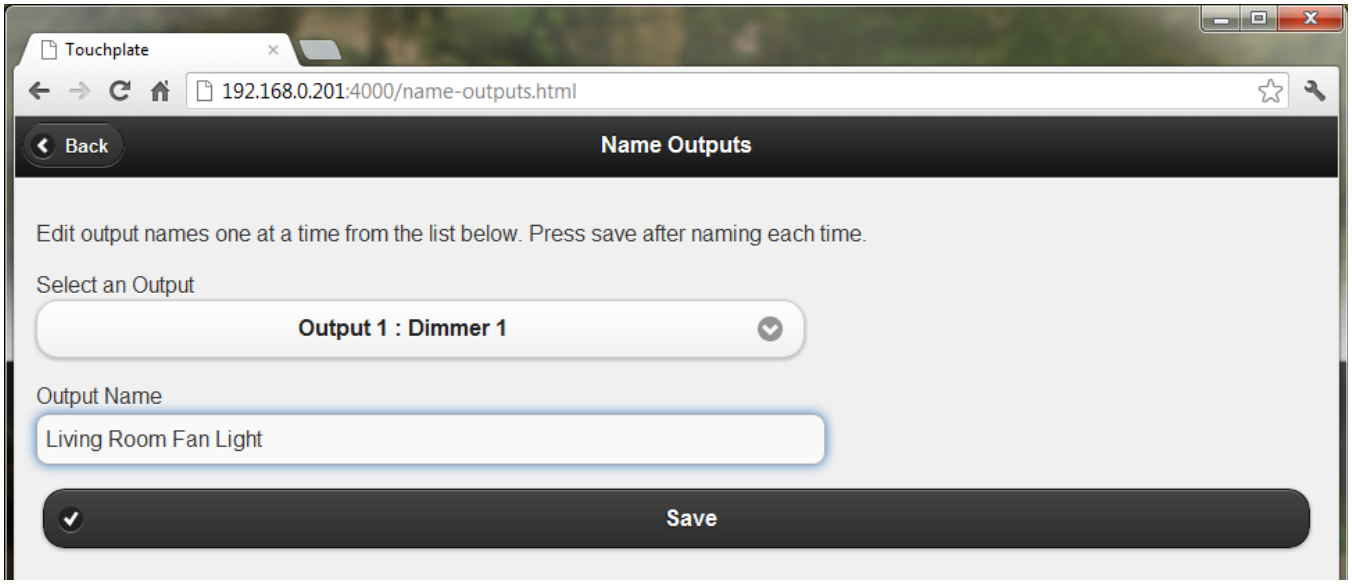
Name Outputs

Start by clicking the Name Outputs button. The following screen will be displayed.



Select Output 1 : Dimmer 1 (If you don't have any dimmers in your system select Output 73 : Relay 1)

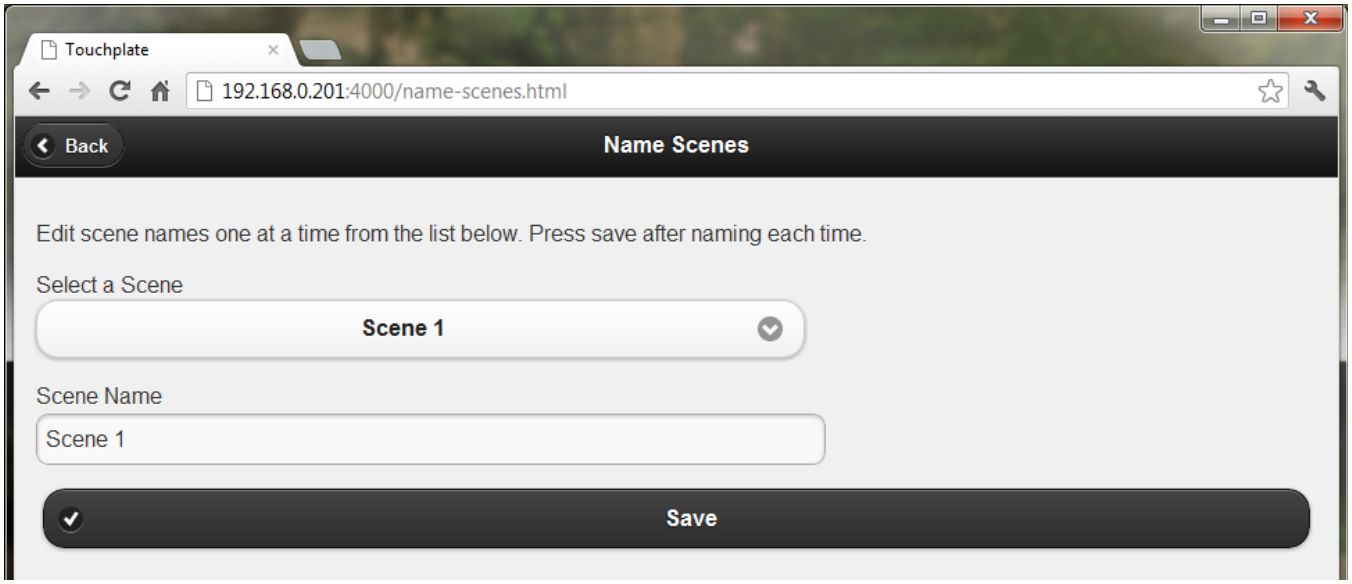
Click inside the Output Name text box and change the name to whatever Relay 1 is on your system.



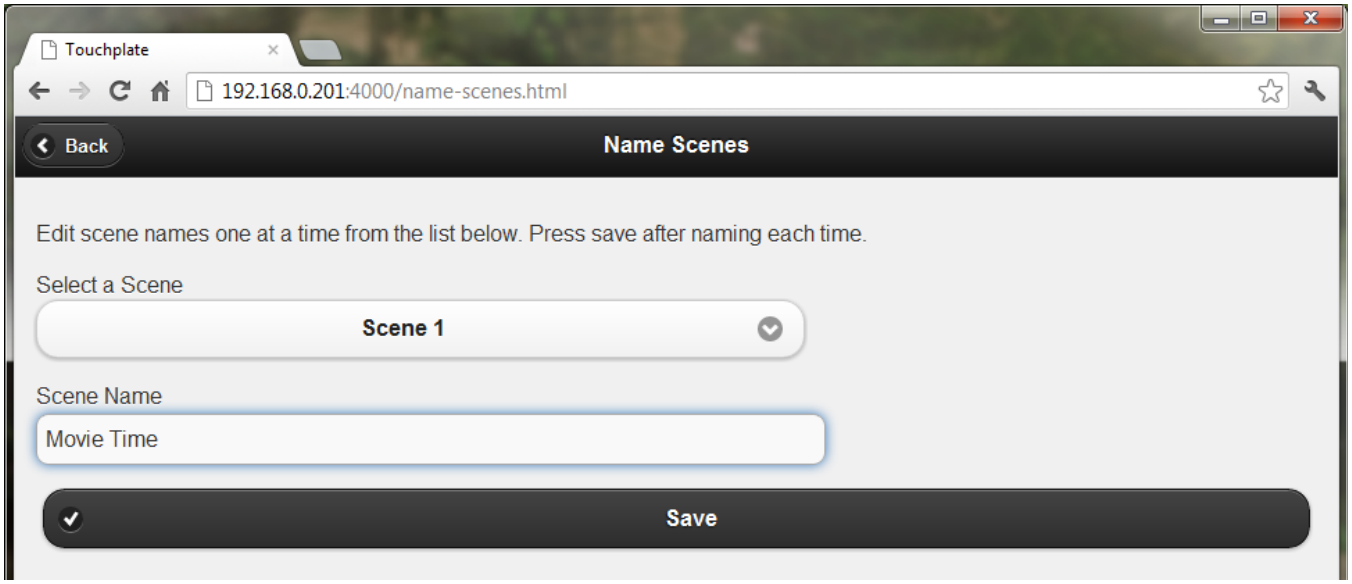
After changing the name you will need to click the Save button. You have to click save after each name change. Repeat this process for all of the Dimmers and Relays on your lighting system. After completing this process move onto the next step.

Name Scenes

Click the Name Scenes button located on the Home Screen. The following screen will be displayed.



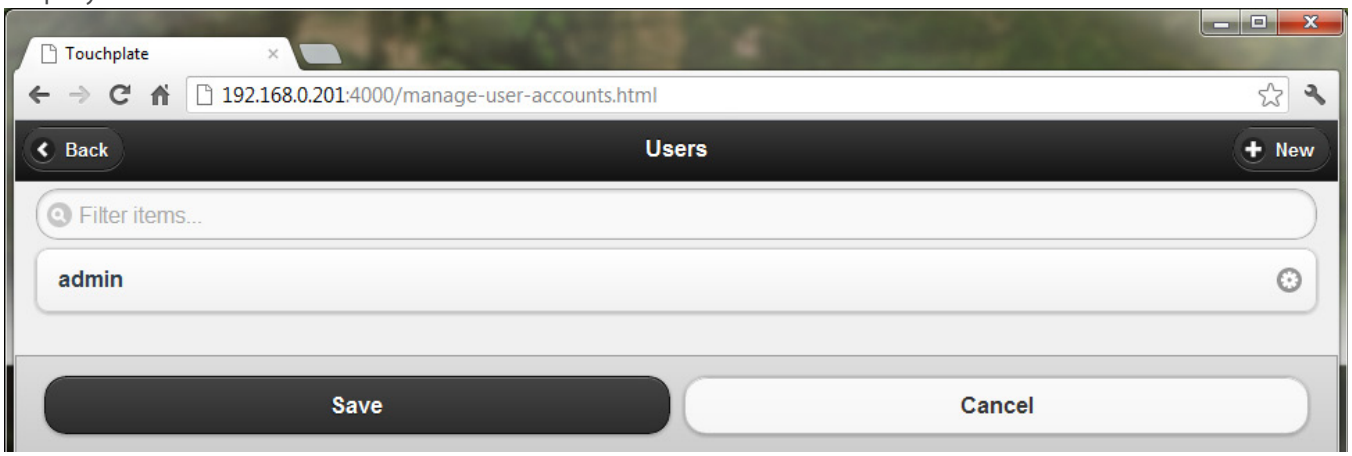
Select Scene1. Click inside the Scene Name text box and change the name to whatever Scene 1 is programmed for on your system.



After changing the name you will need to click the Save button. You have to click save after each name change. Repeat this process for all of the Scenes Programmed on your lighting system. After completing this process move onto the next step.

Manage User Accounts

Click the Manage User Accounts button located on the Home Screen. The following screen will be displayed.

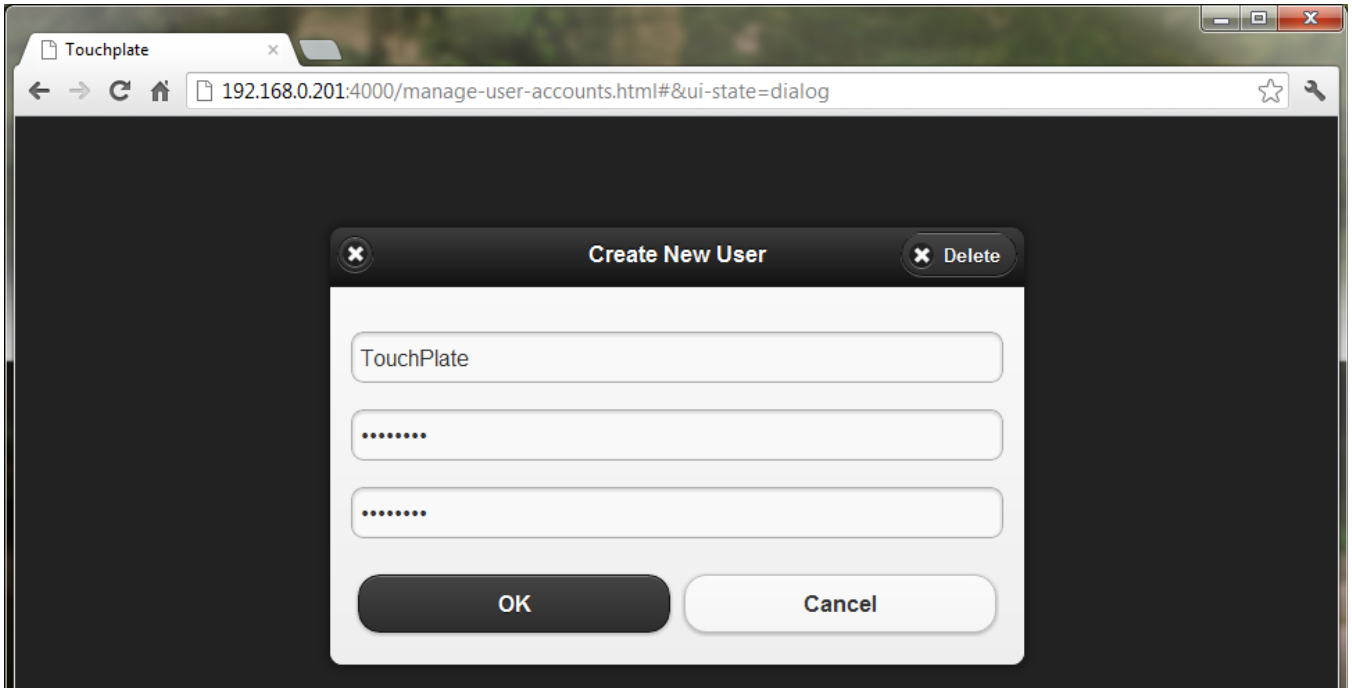


You can edit the admin password by clicking on the Edit Icon at the far right of the admin button.

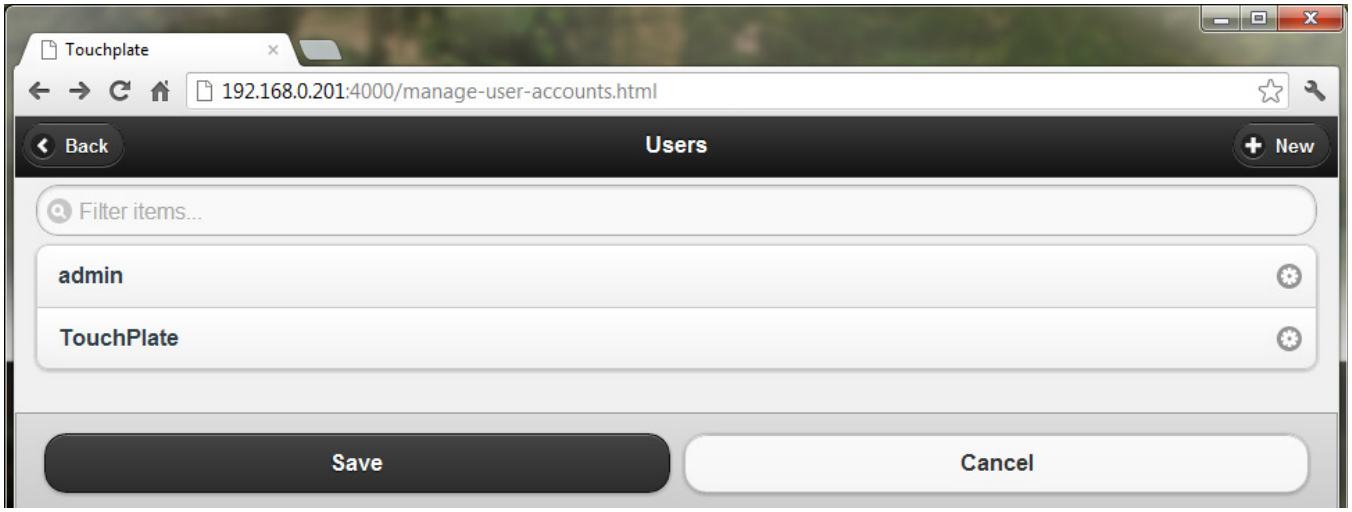
Write your new password down if changed. The admin password is not recoverable. If you lose the admin password you will need to send the unit back to the factory to be reset to the default. After clicking OK to change your password you will need to click the Save button to confirm the change. Once you save the new password the system will require you to log back on with the new password.

To Add a New User click the

button in the upper right corner. The following screen will be displayed. Enter the new user name and password and click OK.



After clicking OK you will need to click the Save button on the following screen to save the newly created user name and password. You can click on the Edit Icon at the far right of the users button to change the password at any time, but you will need to click the Save button to store the changes before leaving the page or clicking on another user.

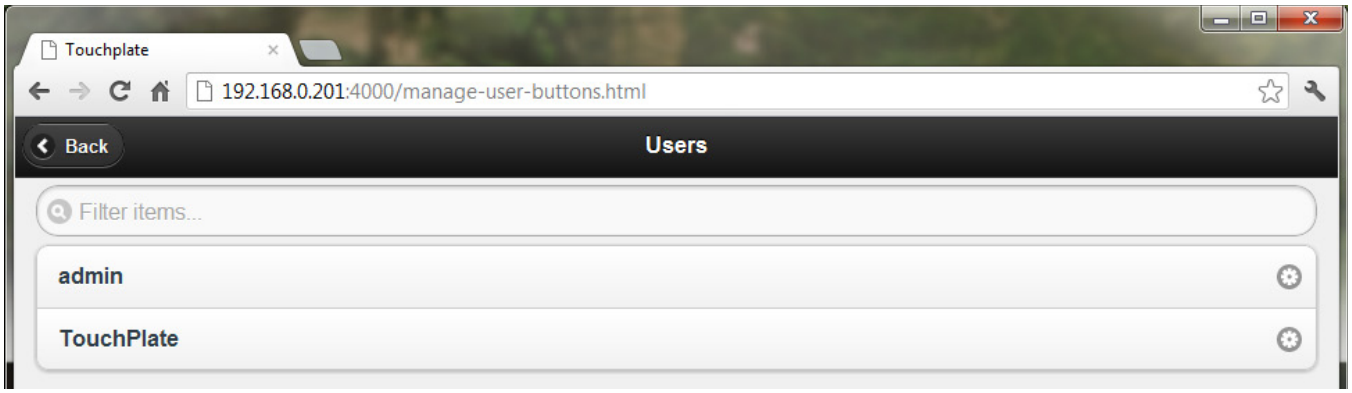


Repeat this step for all the users you would like to create on the system.

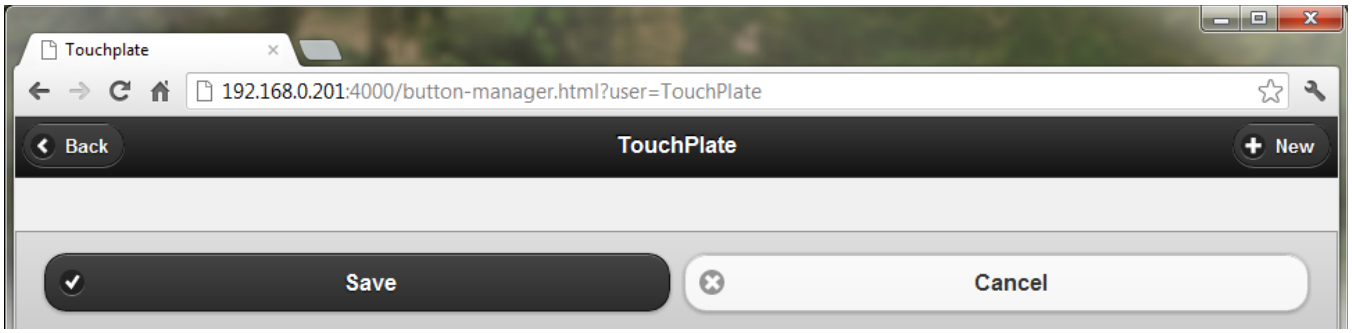
- Only the admin account can make changes on the Time-Keeper Web Interface.
- Created User Accounts have no administrative rights. The only thing that will be displayed when a user logs on are the buttons created on the Manage User Buttons page.

Manage User Buttons

Click the Manage User Buttons button located on the Home Screen. The following screen will be displayed with all the Users on the system.

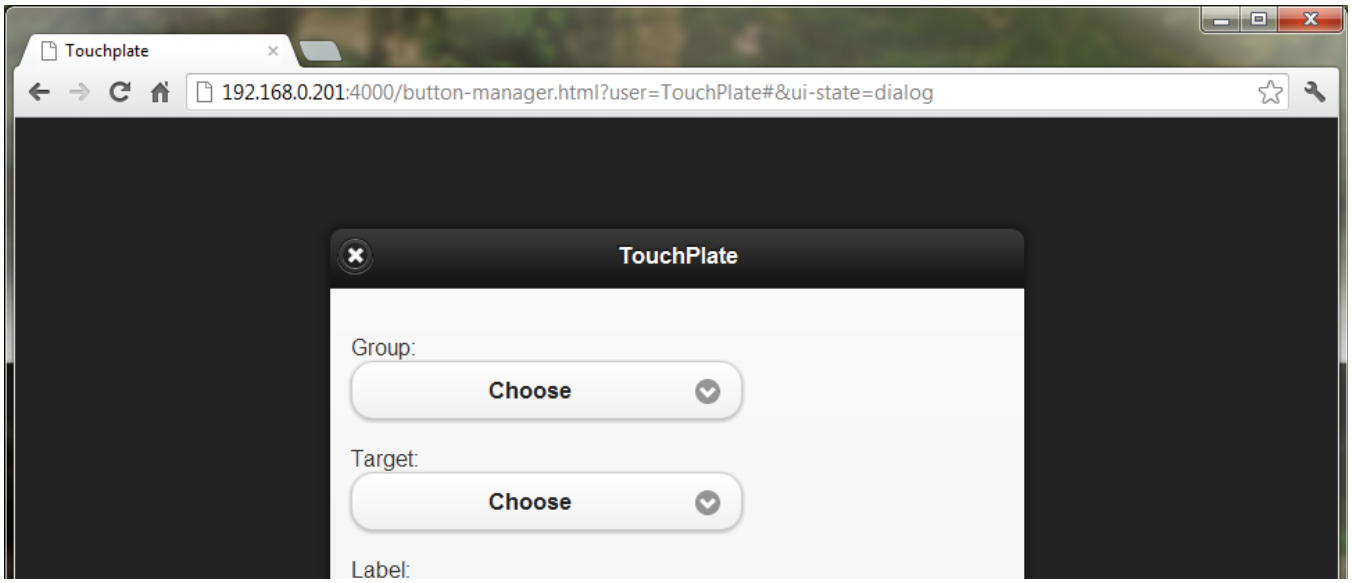


Select the user account you would like to manage by clicking on it. The following screen will be displayed.



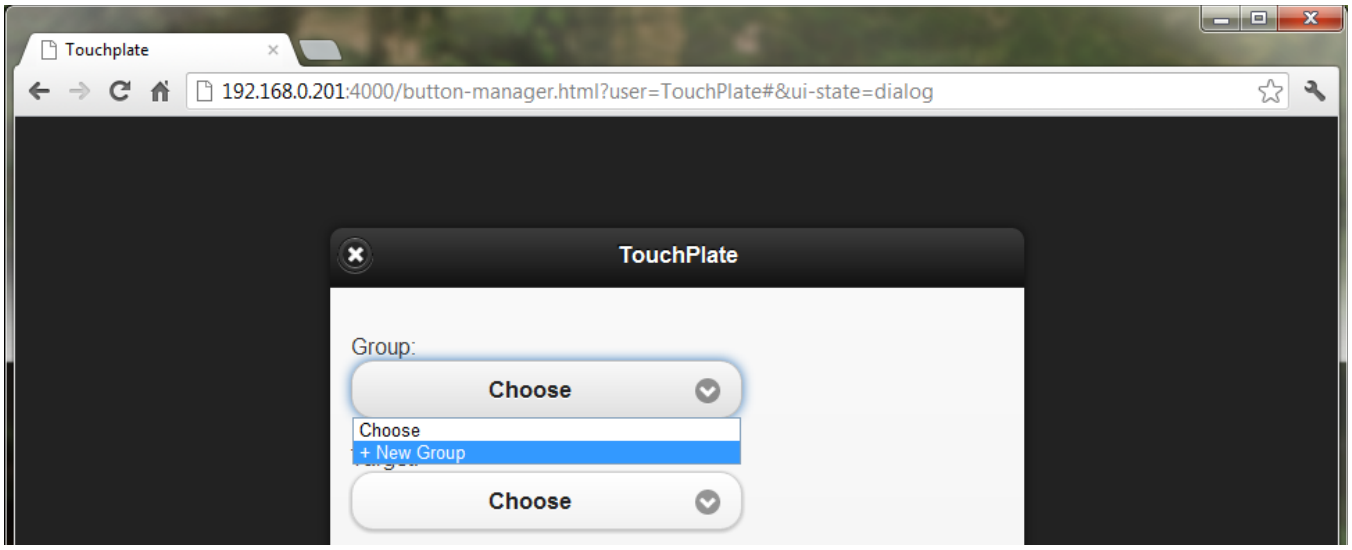
To Add a New Button click the

button in the upper right corner. The following screen will be displayed.

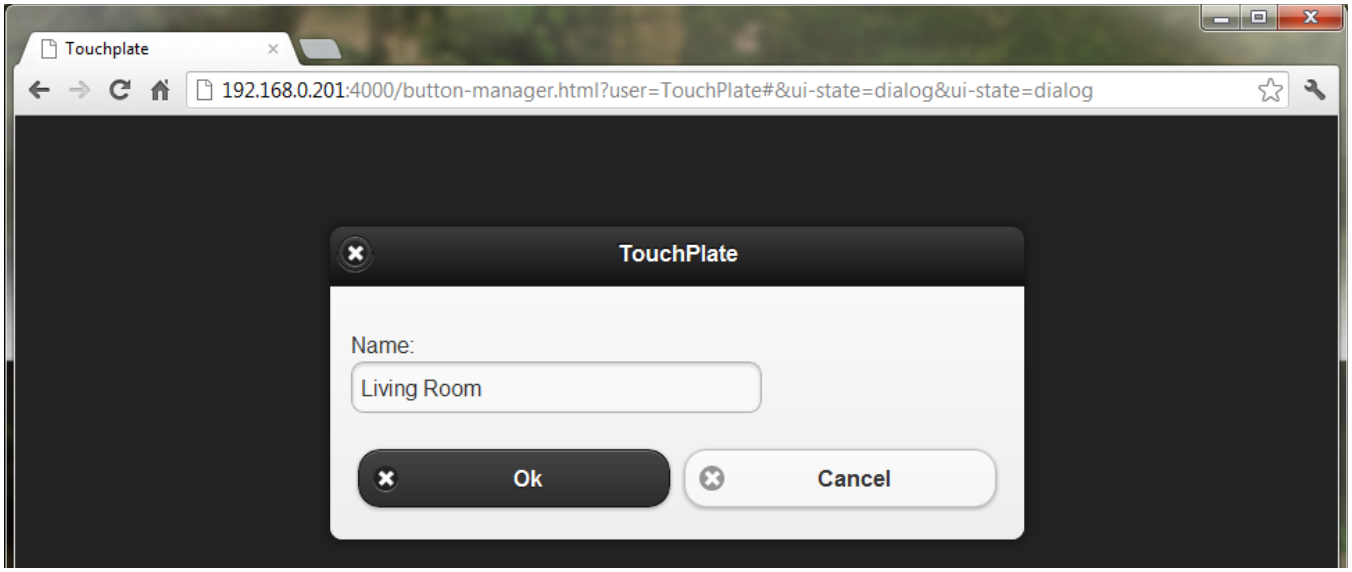


Name Outputs

Click the Choose button under the Group: label, and select the + New Group from the drop down.



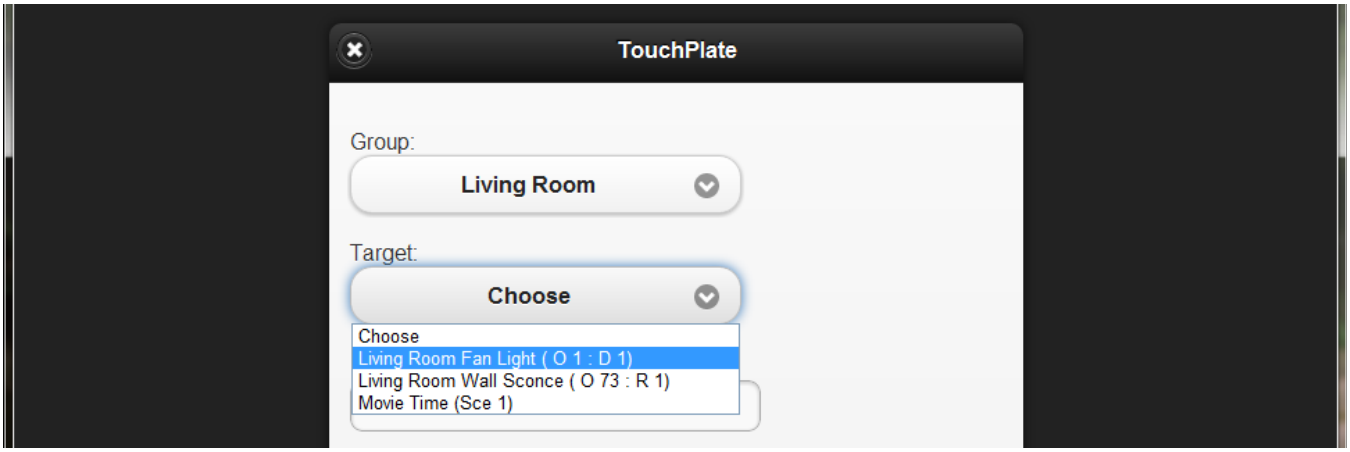
The following screen will be displayed.



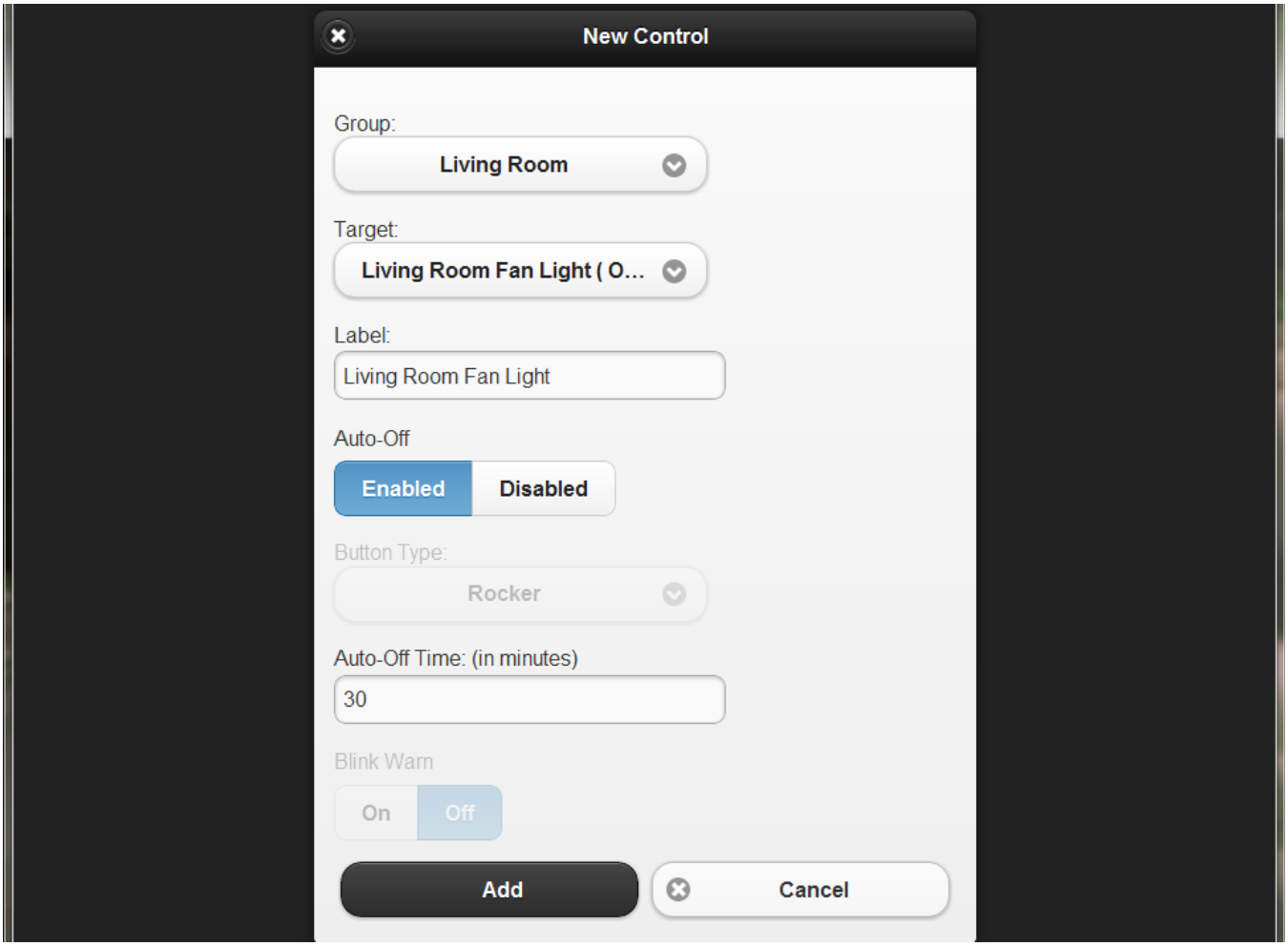
Click inside the Name text box and type in your group name. Enter a name you would like to group buttons under, such as, Master Bedroom, Kitchen, Basement, Living Room, exc.....

Click OK and it will take you back to the previous screen.

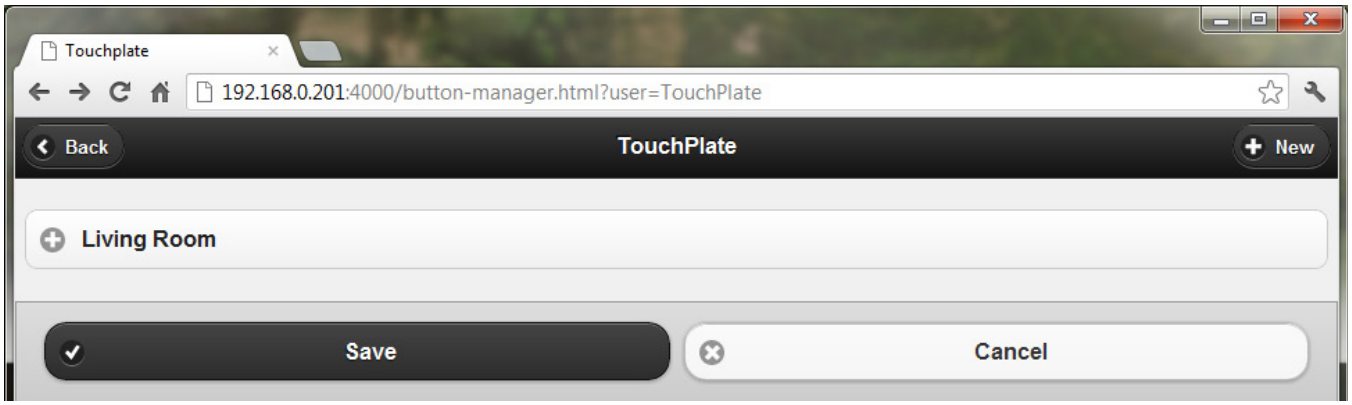
Click the Choose button under the Target: label, and select the Output from the drop down list of Outputs you created earlier in the Name Outputs Step that you would like your button to control.



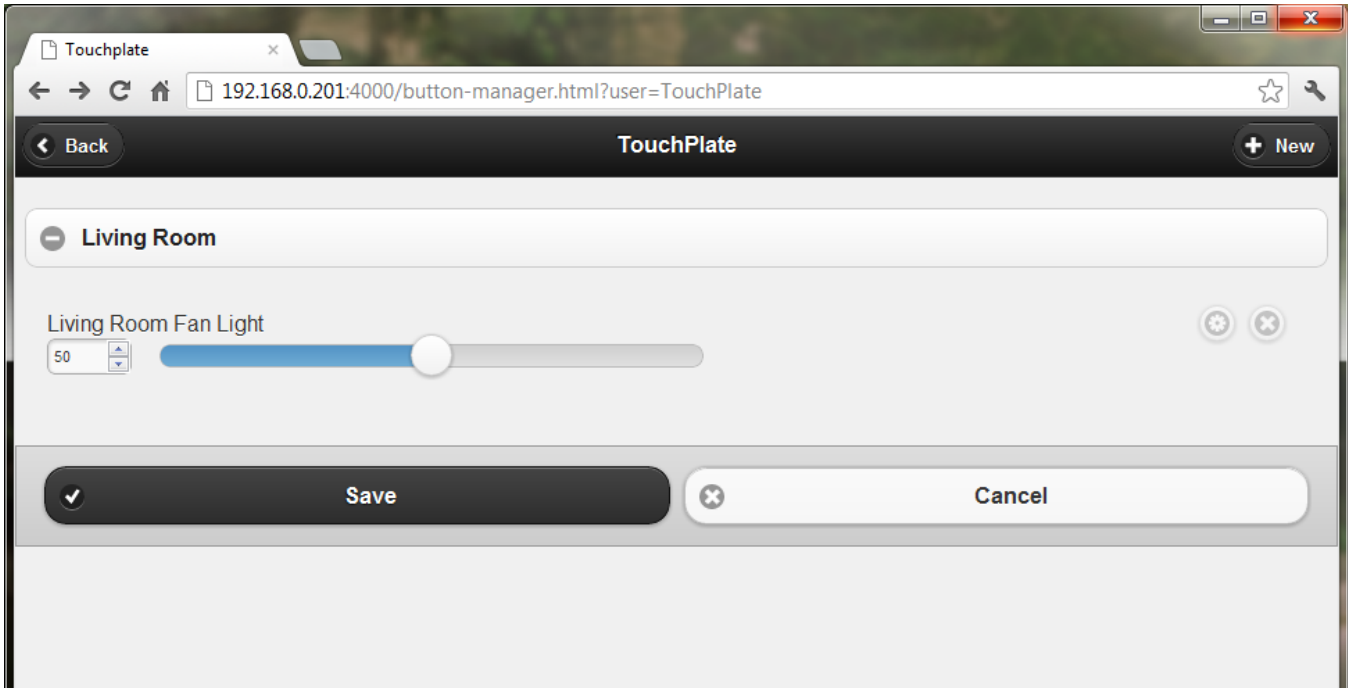
Next, if you would like your new button to have an Auto-Off, Click the Enabled button on the following screen, enter the number of minutes in the Auto-Off Time: text box (10-460) and click the Add button. For Relays you can turn on the Blink Warn option and the light will blink off for 1 second and right back on when 5 minutes are remaining before the light turns off. Click the Add Button.



Otherwise, leave the Auto-Off set to Disabled. If the Target is a Relay you can click on the Button Type drop down list and select the type of button you would like to use. If the Target is a Dimmer there are no Button Type options available it defaults to a slider control, or if an Auto-Off is used the default is a Button. Click the Add button to continue, and click the Save button to store your newly created control.

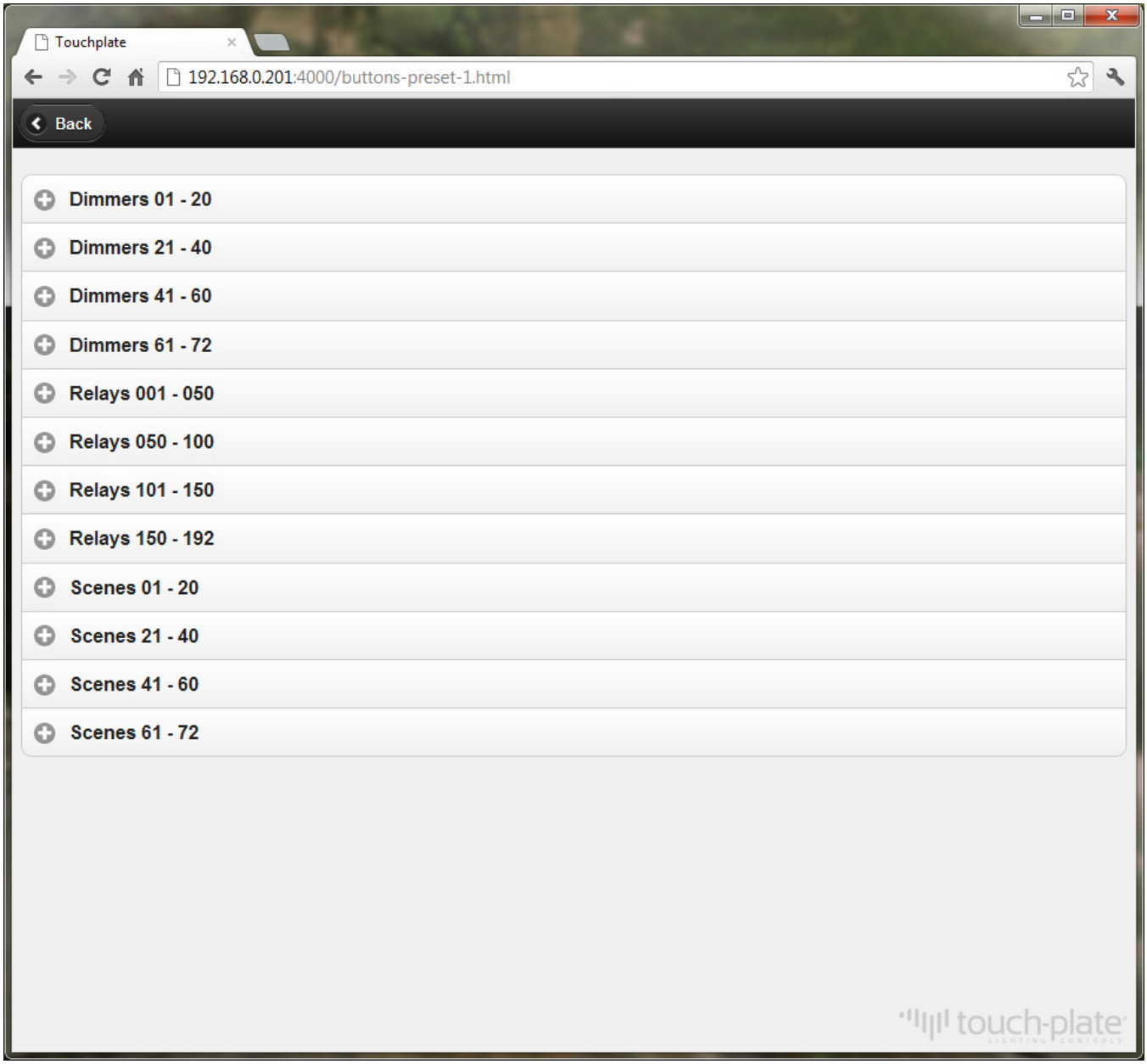


You can now click on your new Group button(Living Room) to show and test the new control you just created as seen below. Repeat this process for all the Groups and Buttons you want to create.



Preset Buttons

Click the Preset Buttons button located on the Home Screen. The following screen will be displayed. This screen contains pre configured buttons for all the available Dimmers, Relays, and Scenes available on a Time-Keeper MAX Master Controller and can be used for diagnostics.

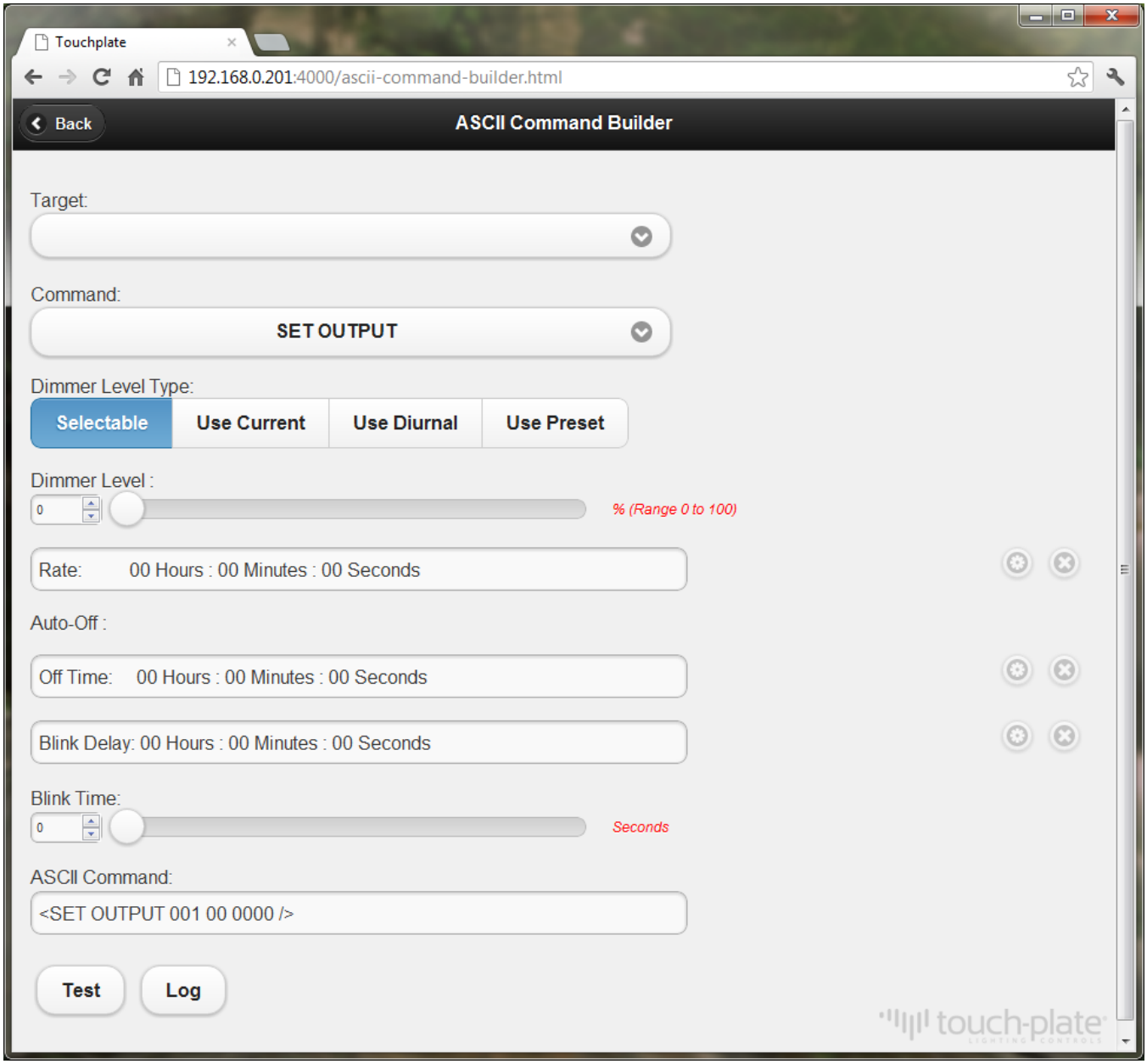


Terminal Emulation

Click the Terminal Emulation button located on the Home Screen. The following screen will be displayed. This screen allows you to make programming changes to the Time-Keeper MAX remotely. Please refer to the TIme-Keeper MAX manual for programming instructions.

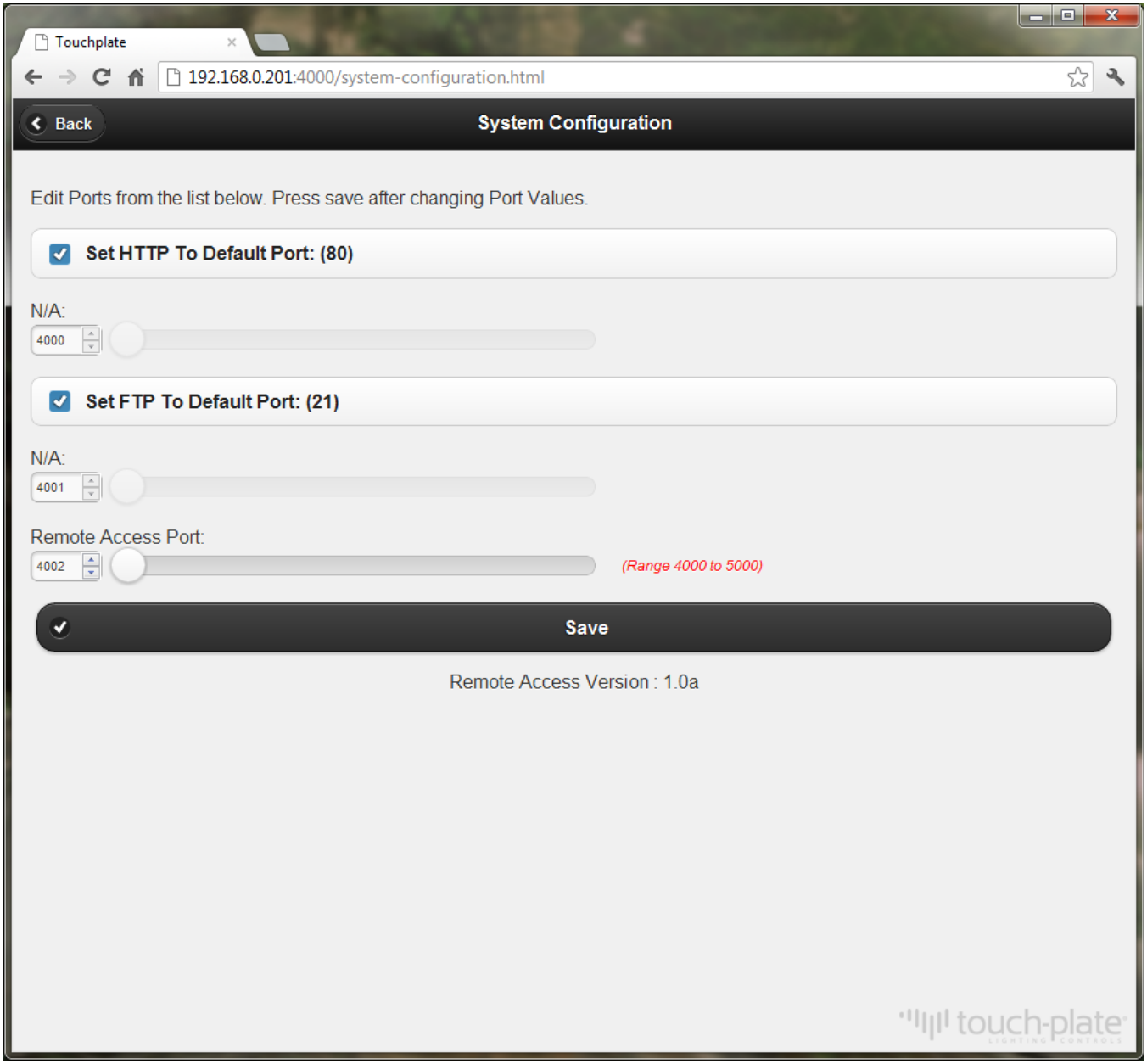
ASCII Command Builder

Click the ASCII Command Builder button located on the Home Screen. The following screen will be displayed. This screen contains a tool to be used by developers to help with generating Ascii commands to be used by other applications or controllers to control the lighting system.



System Configuration

Click the System Configuration button located on the Home Screen. The following screen will be displayed. This screen allows you to change the Port numbers for the HTTP, FTP, and Remote Access Port. After making changes to any port number you will need to click save and then power cycle the Time-Keeper MAX Web Interface for the new port settings to be active.



HTTP Port

The HTTP Port is set to use default port (80). When using the default port you will enter the IP Address of the unit into the browser address bar in the following format: http://192.168.0.201

When you change the HTTP Port to something other than the default, necessary for remote access from outside your local network (see Remote Access Requirements), you will need to include the HTTP Port in the address bar. Use the following format: http://192.168.0.201:4000

FTP Port

The FTP Port is set to use default port (21). This port is used for backing up and restoring files to your unit. You can use any standard FTP client. There are several free FTP solutions available on the web. If you are using a Windows® PC you can install and use the TouchPlate Backup Assistant.

Remote Access Port

The Remote Access Port is set to use default port (4002). The Remote Access Port can be used to control the Time-Keeper MAX by third party software or a controller using string based commands sent to this TCP port. The commands are available in the Touch-Plate Ascii Command Protocol documentation. Please contact Touch-Plate for documentation if you are interested in developing your own software or applications.

Remote Access Requirements

The following instructions are meant as a guide to making your system accessible from the Internet. Touch-Plate cannot account for the wide variety of Internet Service Providers (ISP), types of Routers and software used. Touch-Plate recommends contacting your ISP if you have technical questions that are not addressed here.

All of our testing has been done on systems with high-speed Internet connections. Touch-Plate cannot guarantee that systems will function properly on a low band width connection.

The following instructions are based on a high-speed Internet service using a Netgear Router. These instructions are meant as a guide to assist you in setting up your system.

Step 1:

Your Time-Keeper MAX Web Interface will need to be set up with a different Port in order to communicate outside your network. Use the System Configuration screen to change your Port from default port 80 to a new port number. We recommend port 4000.

Step 2:

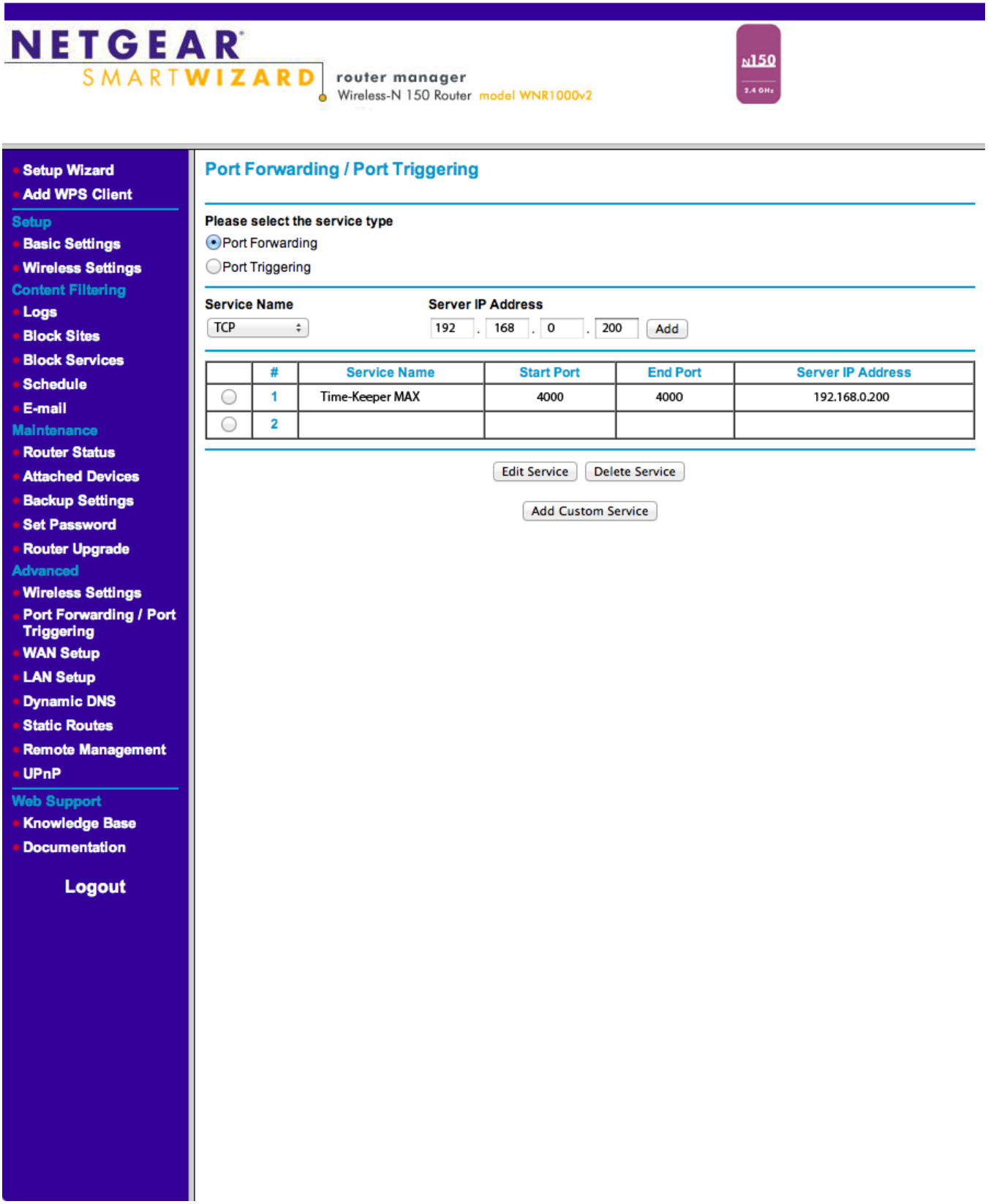
Log in to your wireless router by typing the appropriate IP address (see router guide for your particular system) into your Internet search browser. With the Netgear router enter 192.168.0.1 to enter the router settings login screen. You will be asked to enter a User Name and Password. With most Netgear routers this is factory set to “admin” and “password” (case sensitive).

Step 3:

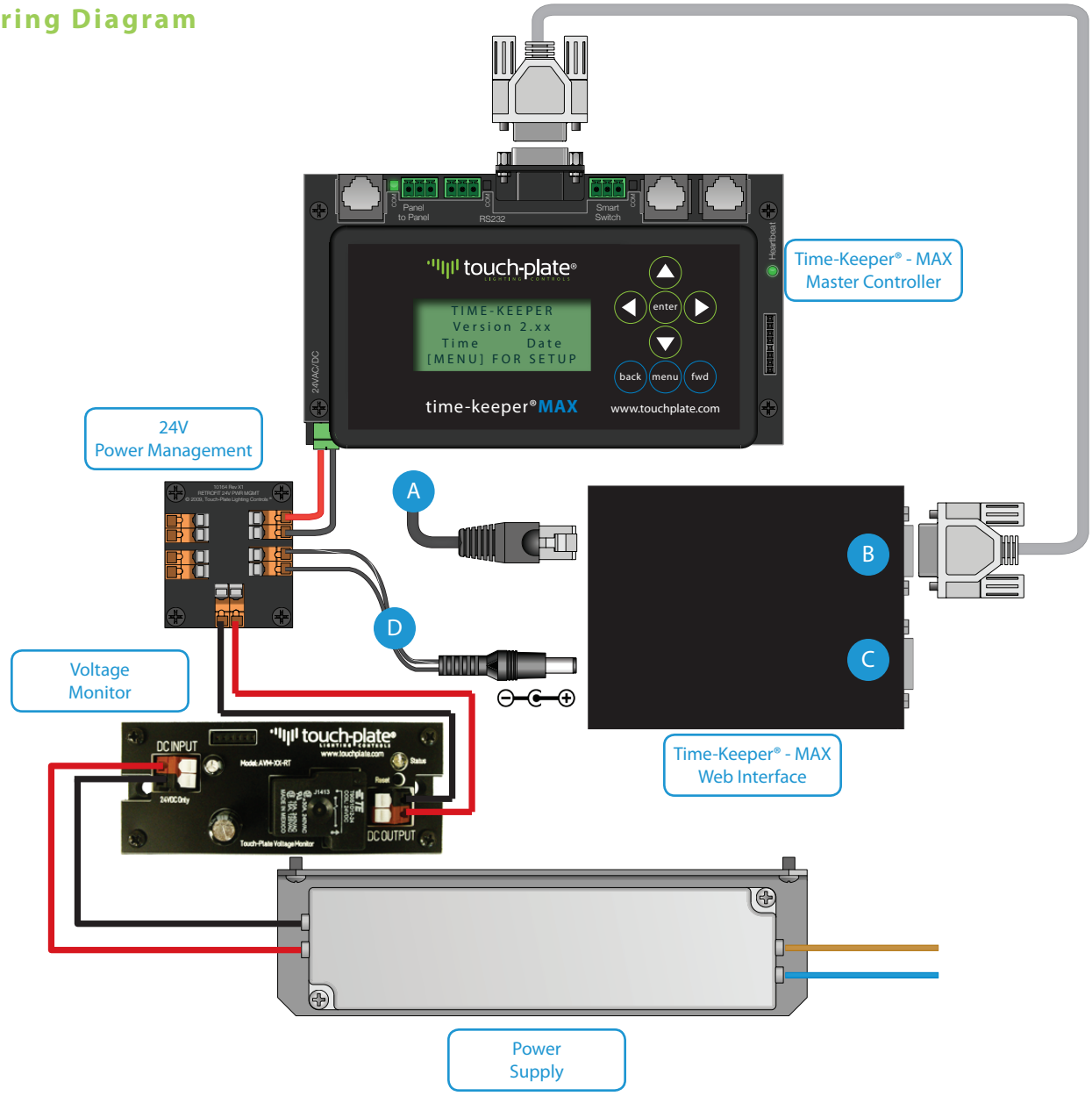
Set up port forwarding rules for your Time-Keeper MAX Web Interface that is connected to your Time-Keeper MAX. With your router screen open, find the port forwarding menu and enter that screen. See image on next page for an example.

Select “Add Custom Service” (or the appropriate setting for your router). Input a Name for the Port Forwarding rule, the IP Address and Port that matches what you defined for your unit, and set the service to TCP.

Save your router settings. Your Time-Keeper MAX Web Interface should now be available from anywhere. All you will need is your public IP Address and the port number you just setup(You can get your public IP Address by going to http://www.whatsmyip.net) and enter it into a browser address bar. Example: http://70.91.215.201:4000


NETGEAR
SMARTWIZARD
router manager
Wireless-N 150 Router model WNR1000v2
N150
2.4 GHz
Setup Wizard
Add WPS Client
Setup
Basic Settings
Wireless Settings
Content Filtering
Logs
Block Sites
Block Services
Schedule
E-mail
Maintenance
Router Status
Attached Devices
Backup Settings
Set Password
Router Upgrade
Advanced
Wireless Settings
Port Forwarding / Port Triggering
WAN Setup
LAN Setup
Dynamic DNS
Static Routes
Remote Management
UPnP
Web Support
Knowledge Base
Documentation
Logout
Port Forwarding / Port Triggering
Please select the service type
Port Forwarding
Port Triggering
Service Name
TCP
Server IP Address
192 . 168 . 0 . 200
Add
Service Name Start Port End Port Server IP Address
1 Time-Keeper MAX 4000 4000 192.168.0.200
2
Edit Service
Delete Service
Add Custom Service

Wiring Diagram



- A To Internet (Router, Switch, Hub)
- B Port B Goes To Time-Keeper MAX RS232 DB9 Connector
- C Port C Is An Unused Port
- D DC Power Connection Is Polarity Sensitive, 7-24v DC

  Wiring: Black/White Stripe = (+) Black = (-)

Frequently Asked Questions

1. I'm unable to switch between user accounts or admin account?
    a. This is caused by the autofill feature of the browser. If you are automatically being logged in without being asked for Username and Password then you have the autofill feature for passwords and forms checked or enabled and the browser has saved your credentials. You will need to disable storing of passwords, or go and manually clear stored passwords in your browser so you can log in as a different user.
    b. An alternative to the above if you don't want to enter your credentials every-time would be to use two different browsers. One for the admin account and the other for your user account. Example: Use FireFox for the admin account and use Chrome for your user account.

touch-plate®
LIGHTING CONTROLS

Time Keeper MAX Web Interface Quick Start

Revision: 2.0a

touch-plate®
ENVIRONMENTALLY
DESIGNED PRODUCTS