



PixelLights



MANUAL

CONTROLLER GUIDE



STEP 1:

CONNECTING TO YOUR CONTROLLER

- Go to the WiFi settings on your device, and select Pixelblaze_xxxxxx.
- After connecting to the controller, the WiFiManager screen will open automatically. If it does not, open your Internet browser and enter 192.168.4.1 in the address bar.
- Select which method you will use to access your controller:

Method 1:

- "Configure AP" will set up the controller for direct connection. Not connected to your WiFi.
- Create your own name & password.

Method 2:

- "Configure WiFi" will connect your controller to your WiFi network, and will be accessible through any device that is on your network ie: PC, Tablet or Mobile.

Pixelblaze_0EFE44

WiFiManager

Configure AP

Configure WiFi

Configure WiFi (No Scan)

Info

Reset

Password must be at least 8 characters

save

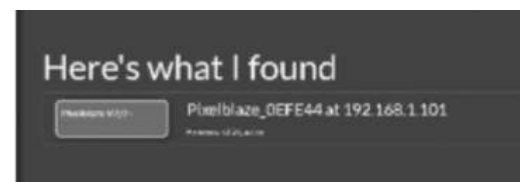
- Select your WiFi network, and enter your password.
- If your network isn't in the list, press "Scan" to refresh the list.
- Press "Save".
- The Controller will reset and connect to your network. Wait for the screen to clear on its own. It will display this notification while the WiFi settings are being updated:

Credentials Saved
Trying to connect ESP to network.
If it fails reconnect to AP to try again

- Now your controller is connected to your network, and you can access it from any device that is also logged in.
- To find your controller screen, open your web browser and go to this discovery page.

- <http://discover.electromage.com>

- The discovery page will show any controller(s) that are currently connected to your network. Click the button, or you can type in the IP address displayed.



- You can either set the discovery page, or the IP address as a button/icon on your home screen. This gives you a shortcut to access your controller.

** Sometimes your router will change the IP addresses it has assigned and the address to your controller may change. If so, the discovery page will show the new address.*

STEP 2:

SETTING UP YOUR CONTROLLER

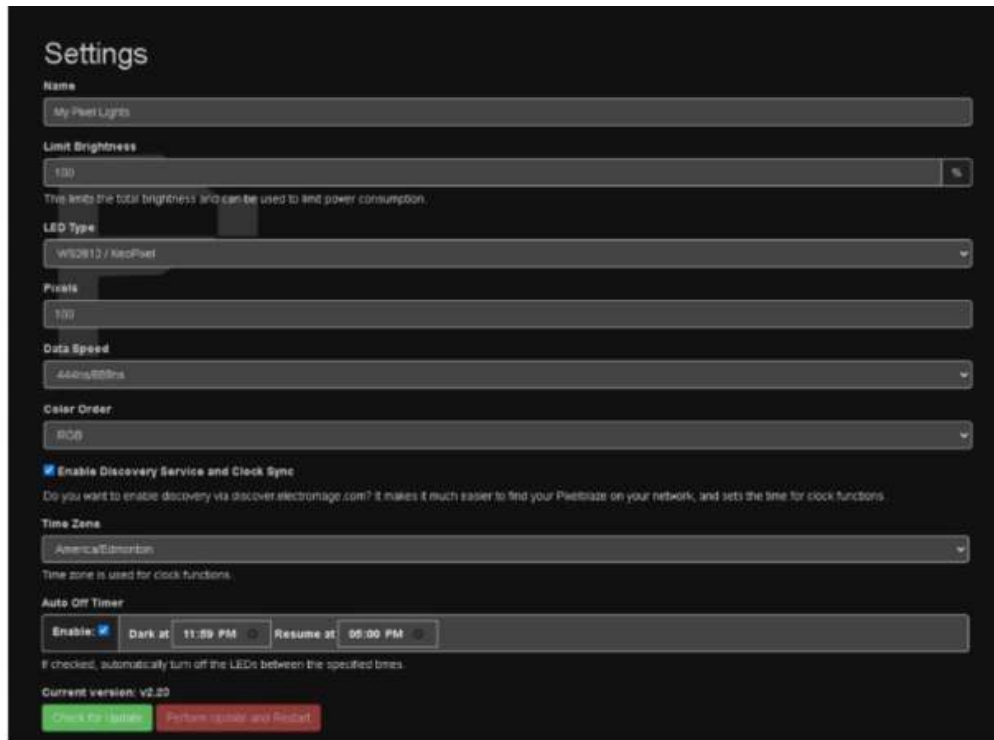
- Now that you are in your controller, at the top of your screen will be this Tab bar.



- **Patterns:** This tab shows the patterns you have saved on your controller.
- **Edit:** This tab is where you can edit or upload new patterns.
- **Mapper:** This tab is a more advanced feature, for future releases.
- **Settings:** This tab is where you adjust the settings for your installation.
- **Get Patterns:** This tab directs you to a website where you can download patterns made by other users, and upload patterns you create.
- **Brightness Slider:** This slider adjusts the brightness in real-time. Status: Displays if your controller is connected/disconnected.
- **Version(v):** This shows the current software version your controller has installed.

Settings Tab

Adjust the specific settings for your controller here.



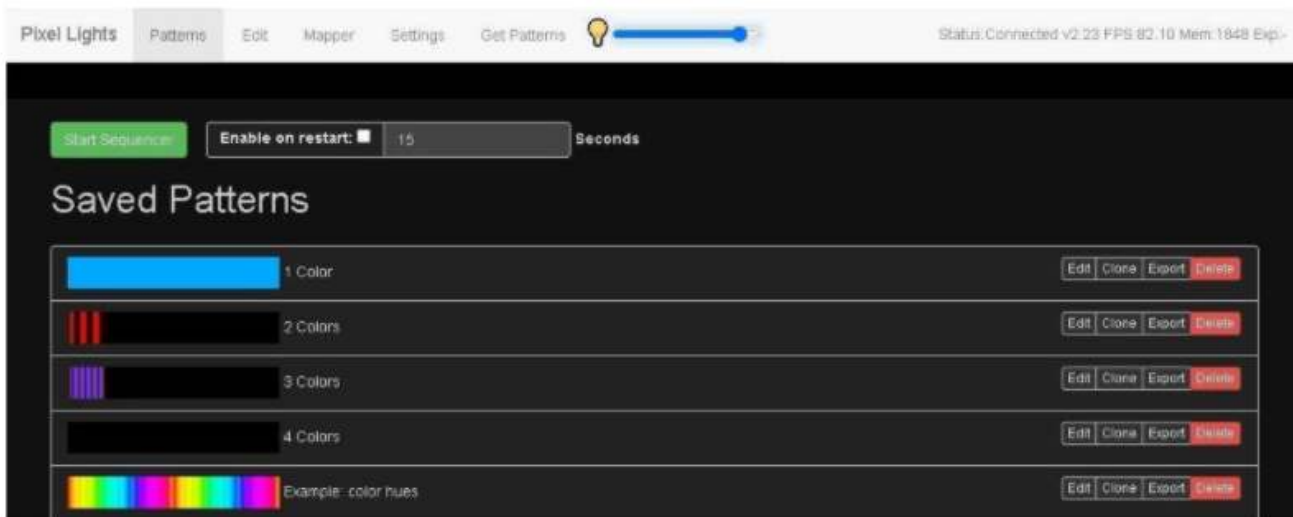
The screenshot shows the 'Settings' page for a PixelLights controller. The page has a dark background with white text and form elements. The settings are organized into sections:

- Name:** A text input field containing 'My Pixel Lights'.
- Limit Brightness:** A slider set to 100%. Below it, a note reads: 'This limits the total brightness and can be used to limit power consumption.'
- LED Type:** A dropdown menu set to 'WS2813 / NeoPixel'.
- Pixels:** A text input field containing '100'.
- Data Speed:** A dropdown menu set to '440kHz/500kHz'.
- Color Order:** A dropdown menu set to 'RGB'.
- Enable Discovery Service and Clock Sync:** A checked checkbox. Below it, a note reads: 'Do you want to enable discovery via discover.electromage.com? It makes it much easier to find your Pixelize on your network, and sets the time for clock functions.'
- Time Zone:** A dropdown menu set to 'America/Edmonton'. Below it, a note reads: 'Time zone is used for clock functions.'
- Auto Off Timer:** A section with an 'Enable' checkbox (checked), a 'Dark at' field set to '11:59 PM', and a 'Resume at' field set to '05:00 PM'. Below it, a note reads: 'If checked, automatically turn off the LEDs between the specified times.'
- Current version:** 'v2.33'. Below this are two buttons: 'Check for Update' (green) and 'Perform Update and Restart' (red).

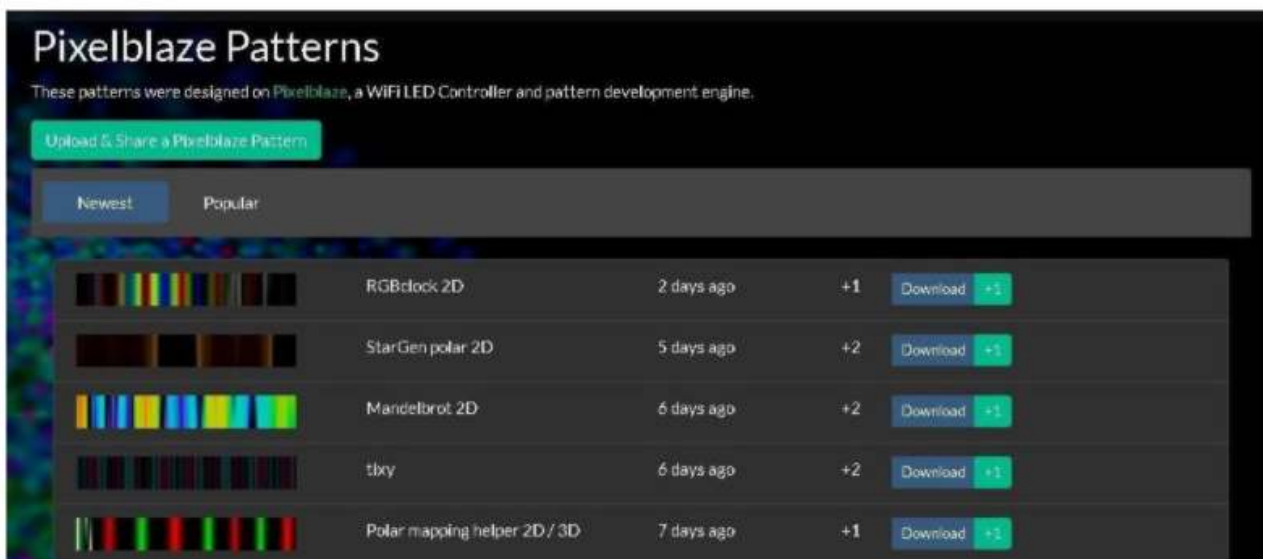
- **Pixels:** Enter the number of pixel lights you have installed here.
- **Data Speed:** Leave at this setting.
- **Color:** Select RGB.
- **Click on:** Enable to allow discovery page access.
- **Time Zone:** Select your time zone for timer control.
- **Click enable** to use the Timer.
- **Dark at =** time the lights turn OFF.
- **Resume at =** time the lights turn ON.
- **Click "Check for Update"** to see if there is an update available. If so, click "Perform Update and Restart". This will automatically update and restart the controller.

Patterns Tab

Select from the list of saved patterns on your controller.

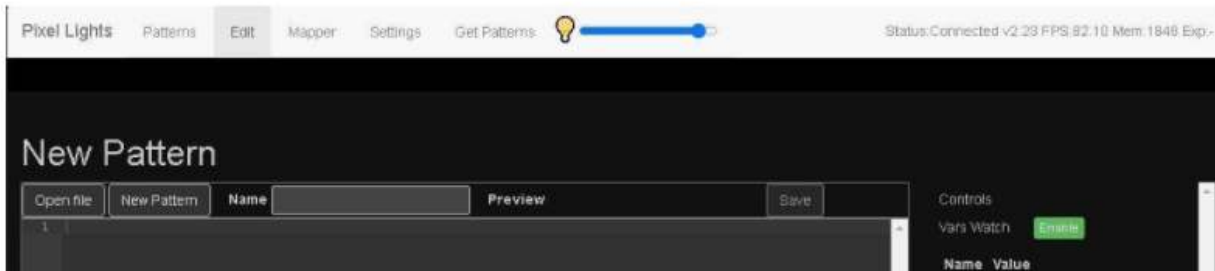


- **Get Patterns Tab:** Find new patterns to try on your controller.

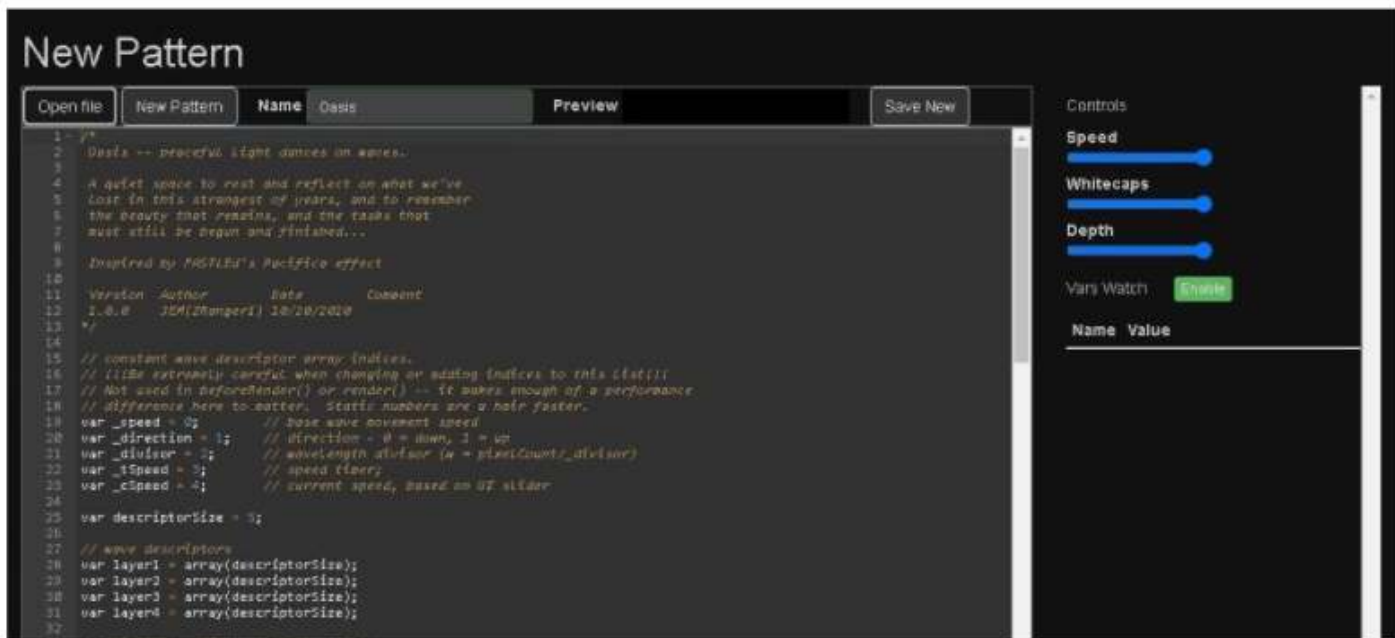


- Click "Download" on a pattern you would like to try. Save on your device, to upload in the "Edit" tab.

- **Edit Tab:** Edit or Upload new patterns.



- **Open File:** Click here to upload a new pattern. Select a file that you have downloaded from the Get Patterns page.
- **New Pattern:** Click here to code your own pattern.
- **Name:** Change or set the name of the pattern.
- **Save:** Click to save you new pattern or changes before exiting.

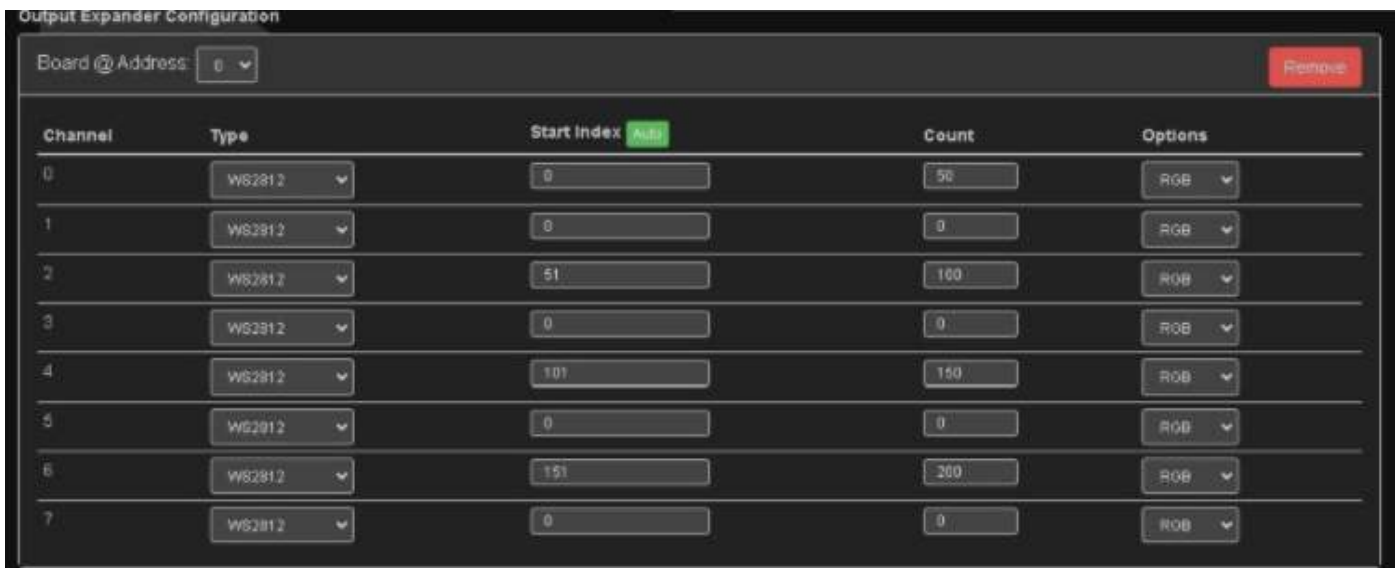


- The pattern code will display as in the picture above.

- **Settings Tab:** Configuring more than one Output/Channel.
- If your controller has more than one output, you will need to set the amount of outputs and pixel light quantities.



- **LED Type:** Select "Output Expander".
- **Pixels:** This is the total amount of pixel lights.
- **Add Board:** Click the "Add Board" button.



- Make sure the settings are the same as the single channel configuration. ie: WS2812 & RGB.
- By default the channels will be 0-8, depending on how many you have. ie: If you have 2, it will be channels 0 & 1.
- * This example shows how you would configure a 4 output controller with 50 pixel lights per channel.



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