**Installing Serial-beep program On Other Computers**

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**Introduction**

The program is a Node.js (backend) + React.js (front-end) program. To run it, following software packages are needed:

Required: Node.js (Npm is included)

Optional: Chocolatey (package manager that make the installing the one above easier)

**Installation**

1. Install Chocolatey (instruction is at <https://chocolatey.org/install> or just open command line with “Run as administrator”, then run following command)

@powershell -NoProfile -ExecutionPolicy Bypass -Command "iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"

1. Install Node.js 5.10.1 via Chocolatey (<https://chocolatey.org/packages/nodejs/5.10.1>)
2. Copy the serial-beep project folder to any location (suggested location: User directory, eg. C:\Users\Username\serial-beep)
3. Close the command line and open it again
4. Navigation to the project directory (eg. cd C:\Users\Username\serial-beep)
5. Run “npm install”
6. Run “npm install nodemon -g”
7. Run “npm run webpack”
8. Run “npm run start”
9. Finally, to run it, open a web browser (eg. Chrome) and open <http://localhost:3000>

**Make It Auto Run as a Service**

1. Open command line, go to project root, run “npm install –g node-windows”
2. Run “npm link node-windows”
3. Go to src\utilities, and run “node install-service”

**Automatically Open the Web App on Start-up**

1. Open localhost:3000 in chrome and create a shortcut on desktop
2. Open the startup folder in Windows, and drop the shortcut inside the startup folder

**Remove the Service**

1. In command line, go to src\utilities, and run “node uninstall-service”

**Changing Port**

1. To change the port that the program connects to, go to this file: PROJECT\_FOLDER\src\server\server.js
2. Go to line 54.
3. Change “COM3” to the desired port.

**Changing Triggering Weight**

1. Go to PROJECT\_FOLDER\src\app\App.js
2. At the top of the file, at line 4, change TRIGGER\_WEIGHT

**Changing Mute Duration**

1. Go to PROJECT\_FOLDER\src\app\App.js
2. At the top of the file, at line 5, change MUTE\_DURATION