

SoundTouch Controller

Version 1.0.0 — Eric E. Dolecki

Overview

This is a local web-based controller for Bose SoundTouch speakers. It uses a simple HTML web app and a Python proxy script to bypass browser CORS restrictions so you can control your speakers from a browser.

The Local Files

- **st.py** — Python script that runs a local proxy server. **This must stay running** while using the controller.
- **st.html** — The main web application.
- **images/** — Folder with hardware images and placeholder artwork. Keep this folder in the same location as st.html.

Prerequisites

1. Check if Python is installed

On macOS:

1. Open **Terminal**.
2. Type this command and press Enter:
`python3 --version`
3. You should see a version like “Python 3.x.x”.
If the command is not found, download and install Python from python.org.

On Windows:

1. Open **Command Prompt**.
2. Type one of these commands and press Enter:

```
python --version
```

or

```
py --version
```

3. If nothing appears, download and install Python from python.org (make sure to check “Add Python to PATH”).

2. Where to find the Terminal / Command Line

macOS — Terminal

- Press **⌘ + Space**, type **Terminal**, then press Enter.
- Or go to: **Applications → Utilities → Terminal.app**

Windows — Command Prompt

- Press the Windows key, type **cmd**, then press Enter.

Setting Up the Local Web Server

On Macintosh (using built-in Apache)

1. Open **Terminal** application
2. Start Apache with this command:

```
sudo apachectl start
```

(Enter your Mac password when asked — it will not show while typing.)

3. Test it: Open your browser and go to <http://localhost/>
You should see the default Apache “It works!” page.
4. **Your web server folder is here:**

```
/Library/WebServer/Documents/
```

Copy **st.html** and the **images** folder into this location.

Useful Apache commands:

- Restart: `sudo apachectl restart`
- Stop: `sudo apachectl stop`

On Windows PC (Recommended: XAMPP)

1. Download and install **XAMPP** from <https://www.apachefriends.org/>
2. Open the **XAMPP Control Panel** and click **Start** next to Apache.
3. **Your web server folder is here:**
`C:\xampp\htdocs\` Copy **st.html** and the **images** folder directly into this folder.

Test it: Open your browser and go to <http://localhost/>

Final Setup Steps

1. Copy **st.html** and the entire **images** folder into your local web server folder (the locations shown above).
2. Open **Terminal** (Mac) or **Command Prompt** (Windows).
3. Navigate to the folder where you saved **st.py** using the `cd` command.
Example:

```
cd /path/to/your/folder (Mac)
cd C:\path\to\your\folder (Windows)
```

4. Start the Python proxy script:

```
macOS: python3 st.py
Windows: python st.py or py st.py
```

Important: Leave this Terminal/Command Prompt window open the entire time you are using the controller.

How to Use the Controller

1. Open your web browser (Chrome, Safari, Edge, etc.).
2. Go to this address:
<http://localhost/st.html>
3. The controller should load and discover your SoundTouch speakers on the network.
4. Enjoy full control of your speakers.

Tips & Troubleshooting

- The Python script (**st.py**) must stay running in the background. You can minimize the window.
- To stop the script, press **Ctrl + C** in the Terminal/Command Prompt.
- Make sure your SoundTouch speakers are turned on and on the same Wi-Fi network.
- If the page does not load, double-check that Apache/XAMPP is running and that **st.html** is in the correct folder.
- You can restart Apache anytime using the commands above.

Enjoy controlling your SoundTouch speakers!

Created by Eric E. Dolecki