🔊 Volume Master - Chrome Extension

CHROME	EXTENSION

VERSION	2.0

LICENSE	MIT

🎵 **Chrome extension for precise tab volume control with audio amplification up to 600%**

📥 Installation • ✨ Features • 🚀 Usage • ⚒️ Development

📋 Description

Volume Master is a powerful Chrome extension that allows you to completely control the volume of each tab individually. The extension supports audio amplification up to 600% of the original level and offers various audio modes for optimal playback.

✨ Features

🎚️ Volume Control

- 📊 **Precise Control**: Volume slider from 0% to 600%
- ⚡ **Quick Buttons**: Instant volume setting (0%, 50%, 100%, 200%, 400%, 600%)
- 🎯 **Step Adjustment**: +/- buttons for fine-tuning
- 🔄 **Real-time**: Instant application of changes

🎵 Audio Modes

- 🔊 **Default**: Standard playback mode
- 🎤 **Voice**: Optimization for voice and speech
- 🎵 **Bass**: Low frequency enhancement for music

🖥️ Interface

- 🌙 **Dark Theme**: Toggle between light and dark themes
- ▦ **Responsive Design**: Beautiful and modern interface
- ⚡ **Fast Performance**: Optimized performance
- 🔄 **Auto-update**: Automatic refresh of audio tabs list

🗂️ Tab Management

- 📋 **Audio Tabs List**: Display of all tabs with active audio
- 🎯 **Quick Switching**: Click to navigate to desired tab
- 🔊 **Audio Status**: Audio state indicators for each tab
- 🔄 **Refresh**: Button to update tabs list

📥 Installation

🏪 From Chrome Web Store

1. Go to Chrome Web Store
2. Search for "Volume Master"
3. Click "Add to Chrome"
4. Confirm installation

🛠️ From Source Code

1. 📂 **Download Repository**

```
git clone https://github.com/your-username/volume-master.git
cd volume-master
```

2. 🔧 **Open Chrome Extensions**

   - Navigate to chrome://extensions/
   - Enable "Developer mode"

3. 📦 **Load Extension**

   - Click "Load unpacked extension"
   - Select the extension folder

🚀 Usage

📊 Main Functions

🎛️ Volume Adjustment

1. **Slider**: Drag the slider to change volume
2. **Quick Buttons**: Click on desired volume percentage
3. **+/- Buttons**: Use for precise adjustment

🎵 Audio Mode Selection

- 🔊 **Default**: For regular browsing
- 🎙️ **Voice**: For video calls and podcasts
- 🎵 **Bass**: For music and movies

🗂️ Working with Tabs

- 📋 **View**: All audio tabs are displayed automatically
- 🎯 **Switch**: Click on tab to navigate to it
- 🔄 **Refresh**: Press refresh button to update the list

💡 Usage Tips

> 🎧 **For Better Audio Quality**
>
> - Use "Voice" mode for video conferences
> - "Bass" mode is ideal for music and movies
> - Don't exceed 300% unless necessary

> ⚡ **Quick Shortcuts**
>
> - Click on extension icon for quick access
> - Use quick buttons for instant setup
> - Switch themes with one click

🛠️ Development

📂 Project Structure

```
volume-master/
├── 📄 manifest.json       # Extension configuration
├── 🎨 popup.html          # Interface HTML
├── 🖌️ popup.css           # Interface styles
├── ⚡ popup.js            # Interface logic
├── 🔧 content.js          # Audio handling script
├── 🖼️ background.js       # Background script
└── 🖼️ icons/             # Extension icons
```

🔧 Technologies

- **HTML5** - Interface structure
- **CSS3** - Styles and animations
- **JavaScript (ES6+)** - Extension logic
- **Chrome Extension API** - Browser integration
- **Web Audio API** - Audio processing

🤝 Contributing

1. 🍴 Fork the repository
2. 🌿 Create a feature branch
3. 💾 Commit your changes
4. 📤 Submit a Pull Request

📊 Implementation Features

🎵 Web Audio API

- 🔊 **Audio Amplification**: Up to 600% of original level
- 🎛️ **Audio Effects**: Voice and bass filters

- ⚡ **Performance**: Optimized audio processing

💾 Settings Storage

- ☁ **Chrome Storage**: Synchronization across devices
- 🔃 **Auto-save**: Settings saved automatically
- ⚡ **Debouncing**: Prevention of excessive operations

🎨 Interface

- 🔲 **Responsive**: Adaptive design
- 🌙 **Dark Mode**: Dark theme support
- ⚡ **Animations**: Smooth animations and transitions

🔧 Troubleshooting

❓ Frequently Asked Questions

Q: Audio doesn't amplify above 100%?

A: 🖱 Make sure you've interacted with the page (clicked on it). Web Audio API requires user interaction.

Q: Extension doesn't work on some sites?

A: 🔒 Some sites block external scripts. This is a browser security limitation.

Q: Settings don't save?

A: 🔃 Check that Chrome extension settings synchronization is enabled.

📄 License

This project is distributed under the MIT License. See LICENSE file for details.

👨‍💻 Author

Created with 💝 to improve audio experience in Chrome

🏵 If this extension helped you, give it a star!

Made with ❤

Chrome Extension