Soundtrap®

Soundtrap for Education - Technical Requirements Overview

Soundtrap for Education is a cloud-based, collaborative audio workstation accessible from various devices, requiring minimal technical setup. This document outlines the necessary system requirements, compatible devices, and network settings for optimal use in LAUSD.

1. System Requirements Device Compatibility

- **Desktop and Laptop Computers**

    - **Operating Systems:**

        - Windows 10 or higher

        - macOS 10.13 or higher

    - **Browser Requirements:**

        - Google Chrome (recommended)

        - Firefox, Safari, Edge (latest versions supported)

- **Chromebooks**

    - **Operating System:** Chrome OS, latest version

    - **Browser:** Google Chrome

- **Tablets and Mobile Devices**

    - **iOS Devices:** iOS 13 or later (iPad and iPhone)

    - **Android Devices:** Android 7.0 (Nougat) or later

    - **Browser:** Chrome for Android, Safari for iOS

- **App Version (Optional):** Soundtrap mobile app is available on the Google Play Store and Apple App Store for tablet-based use, though the full feature set is accessible via browser.

Minimum Hardware Specifications

- **Processor:** 1.6 GHz or faster (dual-core processor or higher recommended for best performance)

- **RAM:**

  - Minimum: 4 GB

  - Recommended: 8 GB or higher for smoother project handling and real-time collaboration

- **Storage:** Cloud-based storage is utilized, though local storage may be needed for saving offline files and recording uploads.

2. Network and Internet Requirements

- **Bandwidth:**

  - Minimum: 1.5 Mbps download/upload per user

  - Recommended: 5 Mbps download/upload per user for higher-quality streaming, real-time collaboration, and smooth playback

- **Network Configuration:**

  - **Firewall Settings:** Allow traffic through ports 443 (HTTPS) and 80 (HTTP) to enable full access to Soundtrap's cloud-based services.

  - **Web Filter Whitelisting:**

    - Whitelist *.soundtrap.com, *.googleapis.com, and *.firebase.com to ensure access to Soundtrap's services, authentication, and real-time collaboration tools.

  - **Proxy Servers:** Proxy server usage is supported, though direct internet access is recommended for optimal performance and reduced latency.

- **Latency:**

  - Less than 100 ms latency is recommended for real-time collaboration and audio processing tasks.

3. User Authentication and Integrations

- **LMS:**

  - **Supported SSO Providers:** Schoology (required for LAUSD users)

4. Data Privacy and Security

- **Compliance:**

  - Soundtrap for Education complies with **COPPA, FERPA, and GDPR** regulations, ensuring student data is safeguarded and meets LAUSD's security standards.

- **Data Storage and Access Control:**

  - All project data is stored on Soundtrap's cloud servers with encrypted storage to protect sensitive information.

  - Teachers and administrators have access controls to manage and monitor student usage, account permissions, and sharing settings.

5. Additional Equipment Recommendations

For optimal audio quality and an enhanced learning experience in projects requiring high-quality recordings, consider the following:

- **Headphones:** In-Ear or Over-ear, closed-back headphones recommended for clear audio playback and minimal external noise interference.

- **Microphones:**

  - Built-in laptop or tablet microphones are sufficient for general use.

- External USB microphones (e.g., Blue Yeti, Audio-Technica) are recommended for higher-quality recording, particularly for podcasting or music production projects.

6. Support and Troubleshooting

- **Technical Support:**

    - For technical assistance, contact **LAUSD IT Support** or reach out directly to **Soundtrap's Support Team** via the Help Center.

- **Help Center and Resources:**

    - Access Soundtrap's **Help Center** for troubleshooting guides, FAQs, and additional support documentation.

Note: Regular updates to Chrome, Firefox, and other browsers are recommended to maintain compatibility and performance. Please review Soundtrap's release notes for major updates or changes in system requirements.