IACLS Time Tracker - macOS Installation Guide

System Requirements

- **macOS**: 10.15 (Catalina) or later
- **Python**: 3.8 or later (included with macOS)
- **Homebrew**: Recommended for easy installation

Security Requirements

Gatekeeper and Code Signing

Since IACLS Time Tracker is not signed with an Apple Developer certificate, you'll need to bypass Gatekeeper:

1. **First Launch Security Override**:
2. Right-click on `IACLS Time Tracker.app`
3. Select "Open" from the context menu
4. Click "Open" in the security dialog

5. This creates a permanent exception for the app

6. **Alternative Method**: `bash # Remove quarantine attribute xattr -d com.apple.quarantine "IACLS Time Tracker.app"`

7. **System Preferences Method**:

8. Go to System Preferences → Security & Privacy

9. Click "Open Anyway" if the app was blocked
10. Enter your administrator password

Privacy Permissions

The app may request the following permissions:

- **Accessibility**: For global hotkeys and window management
- **Files and Folders**: To save time tracking data
- **Microphone**: Not used, can be denied

Grant permissions in System Preferences → Security & Privacy → Privacy.

Installation Methods

Method 1: Easy Installer (Recommended for Beginners)

1. **Download the latest release** from GitHub
2. **Extract the ZIP file**
3. **Double-click** `Easy_Installer.app`
4. **Follow the prompts**:
5. Click "OK" to start installation
6. Enter your password when prompted (for Homebrew)
7. Wait for installation to complete
8. Click "Launch App" when finished

The Easy Installer will: - Install Homebrew if not already present - Add the IACLS tap to Homebrew - Install IACLS Time Tracker - Offer to launch the app immediately

Method 2: Homebrew (For Existing Homebrew Users)

1. **Install Homebrew** (if not already installed): `bash /bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"`

2. **Add the IACLS tap**: `bash brew tap markwbennett/iacls`

3. **Install IACLS Time Tracker**: `bash brew install --cask iacls-time-tracker`

4. **Launch the app**: `bash open "/Applications/IACLS Time Tracker.app"`

Method 3: Manual Installation

1. **Download the latest release** from GitHub
2. **Extract the archive** and move `IACLS Time Tracker.app` to your Applications folder
3. **Launch the app**: `bash open "/Applications/IACLS Time Tracker.app"`

SketchyBar Integration (Advanced Users)

For SketchyBar menu bar integration, clone the full repository:

```
git clone https://github.com/markwbennett/TimeTrackButton.git
cd TimeTrackButton

# Set up SketchyBar plugins
mkdir -p ~/.config/sketchybar/plugins
ln -sf "$(pwd)/plugins/time_tracker.sh" ~/.config/sketchybar/plugins/
ln -sf "$(pwd)/plugins/time_tracker_click.sh" ~/.config/sketchybar/plug
```

```
 # Add to SketchyBar configuration
 echo 'sketchybar --add item time_tracker right \
         --set time_tracker update_freq=10 \
             script="$PLUGIN_DIR/time_tracker.sh" \
             click_script="$PLUGIN_DIR/time_tracker_click.sh"' >> ~/


 # Reload SketchyBar
 sketchybar --reload
```

First Run Setup

1. **Launch the app**:

2. Double-click `IACLS Time Tracker.app`

3. **Choose data folder**:

4. A folder selection dialog will appear

5. Choose where to store your time tracking data

6. Default: Documents folder

7. A "TimeTracker" subfolder will be created

8. **Security prompts**:

9. Grant necessary permissions when prompted

10. The app will remember your choices

Usage

Starting Time Tracking

1. **Click the floating button** (or SketchyBar icon if installed)

2. **Select a project** from the dropdown or create new

3. **Choose activity type** (Legal research, Investigation, etc.)
4. **Tracking begins** with audio confirmation

Managing Projects

- **Create new projects** by typing in the project field
- **Manage existing projects** via the [Manage Projects] option
- **Hide or delete** projects you no longer need

Stopping Tracking

- **Click the tracking button** to show options menu
- **Select "Stop Tracking"** or choose to change project/activity
- **Data automatically saved** to CSV file

Data Export

- **Automatic CSV export** to your chosen data folder
- **File location**: `[YourFolder]/TimeTracker/time_entries.csv`
- **Format**: Project, Activity, Start Time, End Time, Duration

Troubleshooting

App Won't Launch

1. **Check Gatekeeper settings**: `bash spctl --assess --verbose "IACLS Time Tracker.app"`

2. **Remove quarantine**: `bash xattr -d com.apple.quarantine "IACLS Time Tracker.app"`

3. **Check permissions**:

4. System Preferences → Security & Privacy

5. Grant required permissions

SketchyBar Integration Issues

1. **Verify SketchyBar is running**: `bash pgrep sketchybar`

2. **Check plugin permissions**: `bash chmod +x ~/.config/ sketchybar/plugins/time_tracker*.sh`

3. **View debug logs**: `bash tail -f /tmp/ time_tracker_click_debug.log`

Audio Issues

1. **Check sound file**: `bash ls -la "IACLS Time Tracker.app/ Contents/Resources/bells-2-31725.mp3"`

2. **Test audio**: `bash afplay -v 0.1 "IACLS Time Tracker.app/ Contents/Resources/bells-2-31725.mp3"`

3. **Check system volume** and audio output settings

Database Issues

1. **Check data folder**: `bash cat ~/.config/timetracker/config`

2. **Verify database file**: `bash ls -la [YourDataFolder]/ TimeTracker/.timetrack.db`

3. **Reset configuration** (if needed):
   `bash rm ~/.config/timetracker/config # App will prompt for new folder on next launch`

Uninstallation

Homebrew Installation

```
 # Remove the app
brew uninstall --cask iacls-time-tracker

# Remove the tap (optional)
brew untap markwbennett/iacls
```

Manual Installation

1. **Remove the app**: `bash rm -rf "/Applications/IACLS Time Tracker.app"`

2. **Remove SketchyBar plugins**: `bash rm ~/.config/sketchybar/plugins/time_tracker*.sh`

3. **Remove configuration** (optional): `bash rm -rf ~/.config/timetracker`

4. **Remove data** (optional): `bash # Check your data folder first cat ~/.config/timetracker/config # Then remove if desired rm -rf [YourDataFolder]/TimeTracker`

Support

- **GitHub Issues**: https://github.com/markwbennett/TimeTrackButton/issues
- **Documentation**: https://github.com/markwbennett/TimeTrackButton
- **Developer**: iacls.org

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