

# IACLS Time Tracker - macOS Installation Guide

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## System Requirements

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- **macOS:** 10.15 (Catalina) or later
- **SketchyBar:** Required for menu bar integration
- **Python:** 3.8 or later (for manual installation)
- **Homebrew:** Recommended for easy installation

## Security Requirements

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### Gatekeeper and Code Signing

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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

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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

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### Method 1: Homebrew (Recommended)

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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/iaccls`
3. **Install IACLS Time Tracker:** `bash brew install --cask iaccls-time-tracker`
4. **Configure SketchyBar:** The installer will automatically:
5. Install SketchyBar plugins
6. Create example configuration
7. Set up required directories
8. **Add to SketchyBar configuration:** Add this line to your `~/.config/sketchybar/sketchybarrc`: `bash 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"
```

9. **Reload SketchyBar:** `bash sketchybar --reload`

## Method 2: Manual Installation

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1. **Download the latest release** from GitHub
2. **Extract the archive** to your Applications folder
3. **Install dependencies:** ````bash # Install Python dependencies pip3  
install PyQt6 pandas`

# Or use the provided script `./setup_timetracker.sh ````

1. **Set up SketchyBar plugins:** ````bash # Create plugins directory  
mkdir -p ~/.config/sketchybar/plugins`

# Create symlinks `ln -sf "$(pwd)/plugins/time_tracker.sh" ~/.config/  
sketchybar/plugins/ ln -sf "$(pwd)/plugins/time_tracker_click.sh"  
~/.config/sketchybar/plugins/ ````

1. **Configure SketchyBar** (same as Homebrew method above)

## First Run Setup

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1. **Launch the app:**
2. Double-click `IACLS Time Tracker.app`, or
3. Click the time tracker icon in SketchyBar
4. **Choose data folder:**
5. A folder selection dialog will appear
6. Choose where to store your time tracking data
7. Default: Documents folder

8. A "TimeTracker" subfolder will be created
9. **Security prompts:**
10. Grant necessary permissions when prompted
11. The app will remember your choices

## Usage

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### Starting Time Tracking

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1. **Click the SketchyBar icon** or **floating button**
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

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- **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

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- **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

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- **Automatic CSV export** to your chosen data folder

- **File location:** [YourFolder]/TimeTracker/time\_entries.csv
- **Format:** Project, Activity, Start Time, End Time, Duration

# Troubleshooting

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## App Won't Launch

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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

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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

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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

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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

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### Homebrew Installation

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

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

### Manual Installation

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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

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- **GitHub Issues:** <https://github.com/markwbennett/TimeTrackButton/issues>
- **Documentation:** <https://github.com/markwbennett/TimeTrackButton>
- **Developer:** [iacls.org](http://iacls.org)

## License

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