

Sector Times App for Shutoko Revival Project

Welcome to the DeltaSRP App by Captain Bale! This app is designed to give you detailed, real-time feedback on your lap and sector performance, using a custom gate-based system that divides each of SRP's official time-attack routes into hundreds of timed mini-sectors. It allows you to drive against your own personal bests from the current session or your all-time saved records.

Main Features

- **Live Delta Timer:** A large, clear display showing your real-time gap to a reference lap (+/- seconds).
- **Dual Reference Modes:** Instantly switch between comparing your live delta against:
 1. Your best lap from the **current session**.
 2. Your all-time **Personal Best (PB)** saved to disk.
- **Server-Accurate Sector Times:** Displays official sector and lap times as they are reported by the server.
- **Automatic PB Saving:** Automatically saves your new personal best **VALID** laps to disk for future use (overwrites any saved old time, only one save per car per route is possible).
- **Shareable PBs:** The save file system is simple, allowing you to share your best lap files with friends to race against their times (found in the **savedtimes** folder in the main app directory, which can be opened through the app: *Settings* → *Saved PB's* → *Open Saved Times Folder*). Since this might overwrite your own saved time file, make sure to back it up somewhere in case you need it again.

How to Use

1. **Install the App:** Place the sector_times_app folder into your assettocorsa/apps/lua/ directory or simply drag and drop the zip file into Content Manager.
2. **Enable the App:** In Assetto Corsa, enable the "Sector Times" app from your apps sidebar.

The Main Window

The main window is split into three sections:

1. Live Delta Display:

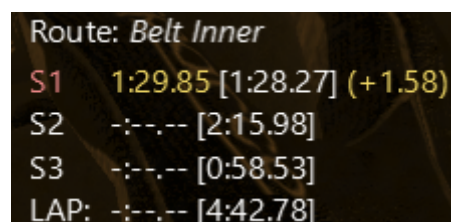
- At the top, you'll find the main **Current Lap Delta** display. This number updates in real-time as you drive through the 500+ timing gates placed per route.




- Next to the title is a button that allows you to toggle the reference mode 

2. Current Lap:

- This section shows the official server sector times for the lap you are currently driving.
- The numbers in [brackets] are the reference times you are being compared against (either your session best or your all-time PB).



- When in *Session PB mode* there is a button  that toggles between “Fastest Lap” and “Best Sectors” mode . This determines whether the app will display your best individual sectors from the session (and show a combined ideal lap time*) or simply display the sectors from your fastest complete lap this session.

3. Last Lap:

- This section displays the final, official server times for the lap you just completed.

Settings

The settings button can be found on the top-right edge of the app window.

Settings Tab

- **Appearance**
 - **Show Window Background:** Toggles the transparent background of the main app window on or off for a cleaner look.
 - **Font Size:** Change the font size of main UI elements
- **Behavior**
 - **Count invalid laps towards session PB's:** If this is checked, a lap marked as (invalid) by the server can still become your session PB if it's the fastest time you've set in that session. This does **not** affect your all-time saved PB; only valid laps can be saved.
- **Personal Best Management**
 - This section shows the current car and loop you are driving on.
 - **Delete saved PB for this loop:** This button will delete the all-time personal best .json file for the specific car and route combination currently displayed. Use this if you want to start fresh and set a new PB.