DeltaSRP 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 delta_srp 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 "DeltaSRP" app from your apps sidebar.

The Main Window

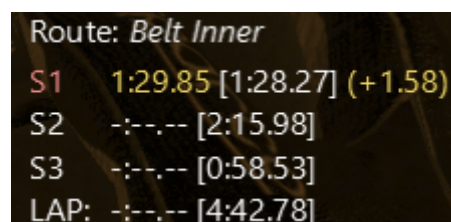The main window is split into three sections:

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.

<u>Settings</u>

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

Settings Tab

- **Appearance**

  - **Background Opacity:** Control the opacity of the main app UI.
  - **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.