ACTI Quick Set-Up and Usage Guide

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1.1 ACTI Setup

- Extract the *acti* sub-archive to your "*My Documents*" folder (i.e. "*C:\Users\<user_name>\Documents*").

1.2 ACTI Trigger Control Setup

- Extract the *acti_trig_cntrl* sub-archive to your "*Assetto Corsa*" folder (i.e. "*C:\Program Files (x86)\Steam\steamapps\common\assettocorsa*").
- In *Assetto Corsa*, go to *Options->General* and enable the *acti* app.
- Start an *Assetto Corsa* in-game session and from the app menu on the right-hand side open the *ACTI Trigger Control* and *ACTI Trigger Control Settings* windows.
- Enter the full path of your local *acti.exe* (i.e. "*C:\Users\<user_name>\Documents\acti\acti.exe*").
- Specify the IP address of the computer on which the *acti.exe* that you want to trigger is running ("*localhost*" implies that this is the same computer as the one that's running *Assetto Corsa*). **NOTE:** If triggering a remote computer, TCP port **27150** and UDP port **27151** must be accessible on that computer while UDP port **9996** must be accessible on the computer running *Assetto Corsa*.
- Set-up the "*Auto Launch Enabled*" (local *acti.exe* is launched automatically in-game) and "*Auto Connect Enabled*" (*acti* connect is triggered automatically in-game) checkboxes as per your preference.
- Click "*Save Settings*".
- Restart the *Assetto Corsa* in-game session.
- (Optional) You can also set the *ACTI Trigger Control* settings directly through the app configuration file (i.e. "*C:\Program Files (x86)\Steam\steamapps\common\assettocorsa\apps\python\acti\config.ini*)

1.3 Motec i2 Setup

- Extract the *mi2_pro_xxx* sub-archive to any temporary location and run the installer.
- Extract the *acti_i2_projects* sub-archive to your "*MoTeC Projects*" folder (i.e. "*C:\Users\<user_name>\Documents\MoTeC Projects*").

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2.1 Acquiring Telemetry Data ("auto" Trigger Control options ENABLED)

- Start an *Assetto Corsa* in-game session. If all connections were automatically established, telemetry data will automatically start being recorded whenever the driver's car goes out on track (i.e. out of the pits).

2.2 Acquiring Telemetry Data ("auto" Trigger Control options DISABLED)

- Start *acti.exe* from your "*acti*" folder (i.e. "*C:\Users\<user_name>\Documents\acti*") or click "*Launch*" in the in-game *acti trigger control* window.
- Click the green "*Connect*" button in the in-game *acti trigger control* window.
- If the connection was established, telemetry data will automatically start being recorded whenever the car in question goes out on track (i.e. out of the pits).
- (NOTE) You can also initiate subsequent connections from the *acti.exe* side as long as at least one successful connection attempt took place from the *acti trigger control* while in the current in-game session.

2.3 Generating Output Telemetry Files

- Telemetry output files are automatically generated at the end of stints (i.e. as soon as the car returns to the pits).
- Files can also be generated by the *acti* user prior to the end of a stint (i.e. while the car is still on track) by "splicing". There are 3 available ways to "splice":
  - **Splice & Keep**: Output files will be generated as soon as the current lap is completed while stint data continues to accumulate.
  - **Splice & Break**: Output files will be generated as soon as the current lap is completed and then the accumulated stint data up to that point will be cleared.
  - **Force Splice**: Output files will be generated immediately while stint data continues to accumulate.

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3.1 Viewing Live Telemetry Data (ACTI Live Telem Viewer)

- Create an *ACTI Telemetry Viewer* workspace and save it under the "*workspaces*" folder (i.e. "*C:\Users\<user_name>\Documents\acti\workspaces*") (or use the default). Select the desired workspace by going to *Edit->Settings...* in *acti* and saving its path under "*Workspace Path*" (absolute path is required).
- (Optional) If the chosen workspace has a track map control in it, you have to specify a reference lap for the *Telem Viewer* to use. To do this, select a representative lap around the track in question in *Motec's i2* and go to *File->Export Data...*. Select "*Current Range*" under "*Data Extent*", "*CSV File*" as the "*Output File Format*" and "*5 Hz*" as the "*Output Sample Rate*". Click "*Export*" and save the file in the *acti* "*reference_laps*" folder (i.e. "*C:\Users\<user_name>\Documents\acti\ reference_laps* "). Then select the desired reference lap by going to *Edit->Settings...* in *acti* and saving its path under "*Reference Lap Path*" (absolute path is required).
- Open the *Live Telem Viewer* by going to *Live Telemetry->Open Live Telem Viewer* in *acti*.

3.2 Viewing Recorded Telemetry Data (Motec i2)

- Start *Motec i2* and open the "*ACTI Circuit Base*" project (i.e. "*C:\Users\<user_name>\Documents\MoTeC Projects\ACTI Circuit Base\Project.mtcprj*").
- (Optional) Change the layout color scheme by going to *Tools->Options...->Colours->Select Scheme...* and choosing *Motec Black*.
- Go to *File->Open Log File...* and navigate to the track & car combo that you're interested in under the "*acti/telem*" folder (i.e. "*C:\Users\<user_name>\Documents\acti\telem*"). Then select the stint(s) that you want to load and click *"Open"*.
- (Optional) To correctly generate the track (and its boundaries) in i2, first log 3 full laps around the circuit (1 while driving the racing line, 1 while driving the outer edge of the track and 1 while driving the inner edge of the track). Go to *Tools->Track Editor...->Generate Track...*, select the racing line lap, then select "*Lateral G & Speed*" under *Method* and "*CG Accel Lateral*" as the *Lateral G Channel* and click "*Ok*". Go back to *Generate Track...*, this time select the outer edge lap, "*GPS*" under *Method*, the *GPS Latitude & Longitude* channels, "*Outer Line*" as the *Type* and click "*Ok*". Repeat for the inner edge lap.