

Running an HLC outside the LCC

There are multiple reasons you might want to run an HLC from outside the LCC, e.g., for easier debugging.

With middleware

If you are using the middleware, setup your HLC code such that it can synchronize its start and stop with the middleware, see e.g. [this basic MATLAB example](#). Then, to start it:

1. Start the LCC (you see the [Setup](#) tab to the right).
2. Leave the HLC path blank.
3. Start the vehicles you need.
4. Click *Deploy*.
5. Run your HLC externally (e.g. in MATLAB or in a terminal for C++ script).
6. Go to the [Timer](#) tab.
7. Wait for the timer with the ID *middleware* to show up.
8. Click *Start*.

Your HLC should now be running. In order to stop it:

1. Click *Stop* and *Reset* in the [Timer](#) tab.
2. Click *Kill* in the [Setup](#) tab.

Without middleware

If you are *not* using the middleware:

1. Start the LCC (you see the [Setup](#) tab to the right).
2. Start the vehicles you need.
3. Run your HLC.