

# User Manual

## Scenegraph

**[G]** Save scenegraph to a file (including transformations done to scene objects).

**[H]** Reset scenegraph to original (hardcoded) configuration.

## Camera

**[C]** Enter `Mode::CAMERA` -> drag mouse with left mouse button pressed to rotate camera.

## Object Manipulation

**[P]** Enter `Mode::PICK` -> click left mouse button to select an object (selecting the background deselects current object).

[only available with object selected]

**[R]** Enter `Mode::ROTATE` -> drag mouse with left mouse button pressed to rotate selected object.

**[S]** Enter `Mode::SCALE` -> scroll to scale object. holding `[X]/[Y]/[Z]` limits scale to selected axis (object coordinates).

**[R]** Enter `Mode::TRANSLATE` -> drag mouse with left mouse button pressed to move object in the view plane. holding `[X]/[Y]/[Z]` makes the translation exclusively on the selected axis.

## General

**[ESC]** Exit current `Mode`.