

Design File Specification

Design files specify location, systems and how roads connection between them.

To specify a new location the *Location* key word is written on a new line followed by its x-position and then its y-position. Note the x and y positions are given as a ratio (between 0 and 1) relative to the height and width of the render window. i.e and x value of 0.5 puts the location half way across the screen. An example entry:

```
Location
0.5
0.1
```

To specify a new system the *System* key word is used instead of the *location* keyword. For example:

```
System
0.4
0.7
```

To specify a new road the *Road* key word is written on a new line followed by: the speed limit, the first node type to be connected (either Location or system), the number of that node (order declared in this design file, the second node type, and the number of that node). For example the two previously declared node can be joined using:

```
Road
90
Location
1
System
1
```

Example for the Four-way Junction.

Location
0.5
0

Location
0
0.5

Location
1
0.5

Location
0.5
1

System
0.5
0.5

Road
90
Location
1
System
1

Road
90
Location
2
System
1

Road
90
Location
3
System
1

Road
90
Location
4
System
1