



APPLIED STREETVIEW

Manual

Alignment of GPS antenna and Camera

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Example arrangement



Spatial:

The **GNSS Antenna Offset** is measured from the Spatial unit (blue) to the antenna (red) in meters.

Spatial Dual:

The **GNSS Antenna Offset** is measured from the Spatial Dual unit to the front (primary) antenna in meters.

The **Dual Antenna Offset** is for the secondary (rear) antenna.

The Distance is measured from the secondary (rear) antenna to the primary (front) antenna. Therefore the X distance (back-> front) is always positive.

Values:

X is positive forward

Y is positive to the right (Out of the passenger side of that vehicle)

Z is positive down.

Programs

To make the adjustments to the Spatial or Spatial Dual you need the Spatial Manager or Spatial Dual Manager program:

Please download the newest version:

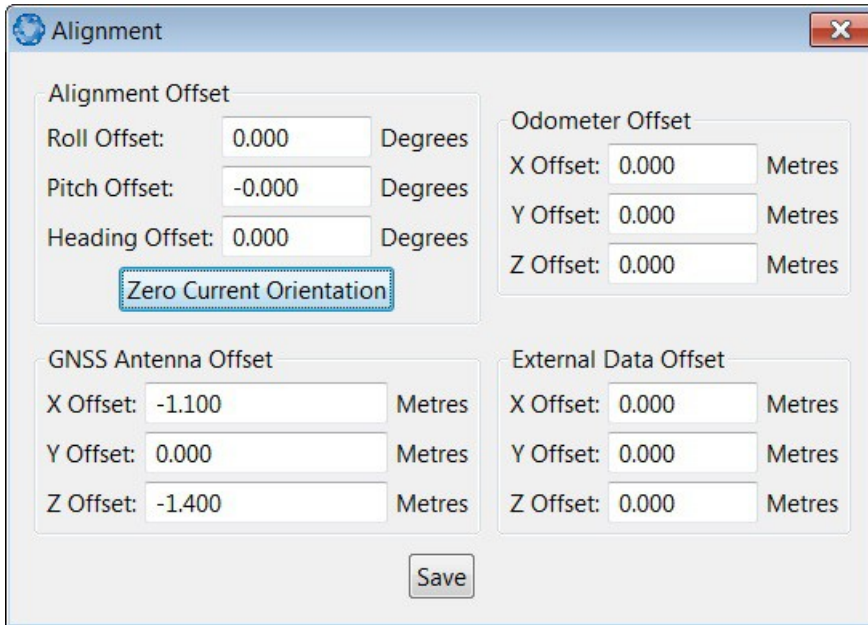
[Spatial Manager](#)

[Spatial Dual](#)

You might have to install java to run the programs on a Windows PC.

Antenna position

The **Alignment – GNSS Antenna Offset** is for the antennas position. It is measured from the Spatial unit to the antenna in meters.



The screenshot shows a software dialog box titled "Alignment" with a close button (X) in the top right corner. The dialog is divided into four sections:

- Alignment Offset:** Contains three input fields: Roll Offset (0.000 Degrees), Pitch Offset (-0.000 Degrees), and Heading Offset (0.000 Degrees). Below these is a button labeled "Zero Current Orientation".
- Odometer Offset:** Contains three input fields: X Offset (0.000 Metres), Y Offset (0.000 Metres), and Z Offset (0.000 Metres).
- GNSS Antenna Offset:** Contains three input fields: X Offset (-1.100 Metres), Y Offset (0.000 Metres), and Z Offset (-1.400 Metres).
- External Data Offset:** Contains three input fields: X Offset (0.000 Metres), Y Offset (0.000 Metres), and Z Offset (0.000 Metres).

A "Save" button is located at the bottom center of the dialog.

Measured from the Spatial (blue) to the antenna (red):

X, backwards: -1.1 meters
Y, left-right: 0 meters
Z, up: -1.4 meters

Camera position

The Reference Point Offset - Primary Reference Point is for the cameras position.

It is measured from the Spatial unit to the center of the camera head in meters.

Section	X Offset (Metres)	Y Offset (Metres)	Z Offset (Metres)
Primary Reference Point Offset	-0.500	0.000	-2.000
Heave Point 2 Offset	0.000	0.000	0.000
Heave Point 3 Offset	0.000	0.000	0.000
Heave Point 4 Offset	0.000	0.000	0.000

For the camera position above these are the values. Measured from the Spatial (blue) to the Camera head (green):

X, backwards: -0,5 meters

Y, left-right: 0 meters

Z, up: -2 meters

Support

Support is provided in English language only.

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