**Ground Station**

The ground station enables us to communicate with satellite, ie. download picture and housekeeping and upload commands and software. It consists of two antennas on top of university, a ICOM IC-910 radio, a MX909 modem, a mcb167 board and a standard PC.
The antennas are mounted on a tower and by the help of two motors they can be turned both around and up-down and this is controlled by the PC.

As software the satellite tracking program [Predict](http://www.qsl.net/kd2bd/predict.html) is used to provide the position of the satellite to the antennacontrol and also to calculate the doppler shift in frequency which is then compensated for by controlling the radio also from the PC.

