

Ground Control Station

1. SUMMARY

The ground control station consists of a laptop computer, CloudCap Ground Station and a pilot console (Futaba RC transmitter. The Ground Station communications with the laptop computer using a standard RS-232 serial cable; the pilot console communications with the ground station using a standard RC “buddy cable.”

2. PICCOLO COMMAND CENTER

The main pilot interface is through the Piccolo Command Center (PCC), a graphical UI software package that runs on the laptop computer. The PCC has been used for many University ground stations.

3. PILOT CONSOLE

The pilot console is used for human control and consists of a Futaba RC transmitter connected to the ground station using a standard buddy cable.