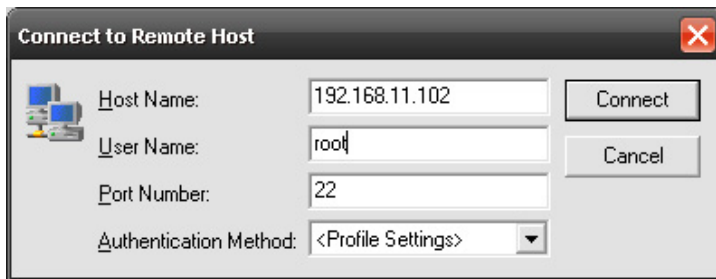


### Zagi Pre-Flight Checklist:

1. **Measure** battery voltages and make sure that the voltage levels are above the minimum voltage for Li-Po i.e. 2.7 V per cell.
2. **Connect** the 1 cell Li-Po battery to Stargate and power on. Allow time for Stargate to boot up.
3. **Establish** the PC to connection to the Ad-Hoc wireless network "DASL" using the same gateway as you set up on the Stargate i.e. IP Address: 192.168.11.101; Gateway: 192.168.11.1
4. *Optional*: Using the command prompt, **ping** the Stargate: ping 192.168.11.102
5. Using a SSH Secure Shell Client program, **connect** to the Stargate. The first time you connect, SSH will prompt you to accept the authentication key, choose "Yes" when it does.



6. *Optional*: SSH will prompt you to save the profile. By doing so you will not need to set up another connection again.
7. Finish the connection by **logging into** the Stargate using the root password, default: "**rootme**"
8. **Navigate** to where the **avionics** executable is **located and run** it as described in the Stargate Tutorial, make sure to add what ever options you need: See Executing the MNAV Auto-Pilot on the Stargate
9. **Start** up the Groundstation and verify that the connection has been established with the MNAV. Note that the IMU and GPS run independently so you will have to wait for both systems to connect to the Groundstation. See Groundstation Tutorial
10. **Turn** on the R/C Transmitter. (THIS IS EXTREMELY IMPORTANT! TRANSMITTER MUST BE ON BEFORE YOU CONNECT THE BATTERY TO THE SPEED CONTROLLER)
11. Make sure that the Channel 5 (Switch F) switch is up and using "Zagi 1" Model on the DASL Futaba transmitter.
12. **Connect** the 12.6 V battery to the Zagi Motor Speed Controller. The servos should instantly respond.
13. **Trim** out the Zagi's elervons and make sure that they are level. Also verify that the control surfaces are mixed and reacting to the transmitter properly.

14. **Flip** the Channel 5 switch (Switch F) to verify that the system will switch to autonomous mode.
15. The servos should react as well as the information on the avionics screen.
16. With the system working, take off in manual mode and begin your test flight. Make sure to monitor the connection between the PC and the Stargate. The 900 MHz connection is a fail safe and should not lose connection so if there are any problems switch to manual mode and land aircraft.