01.11.2023

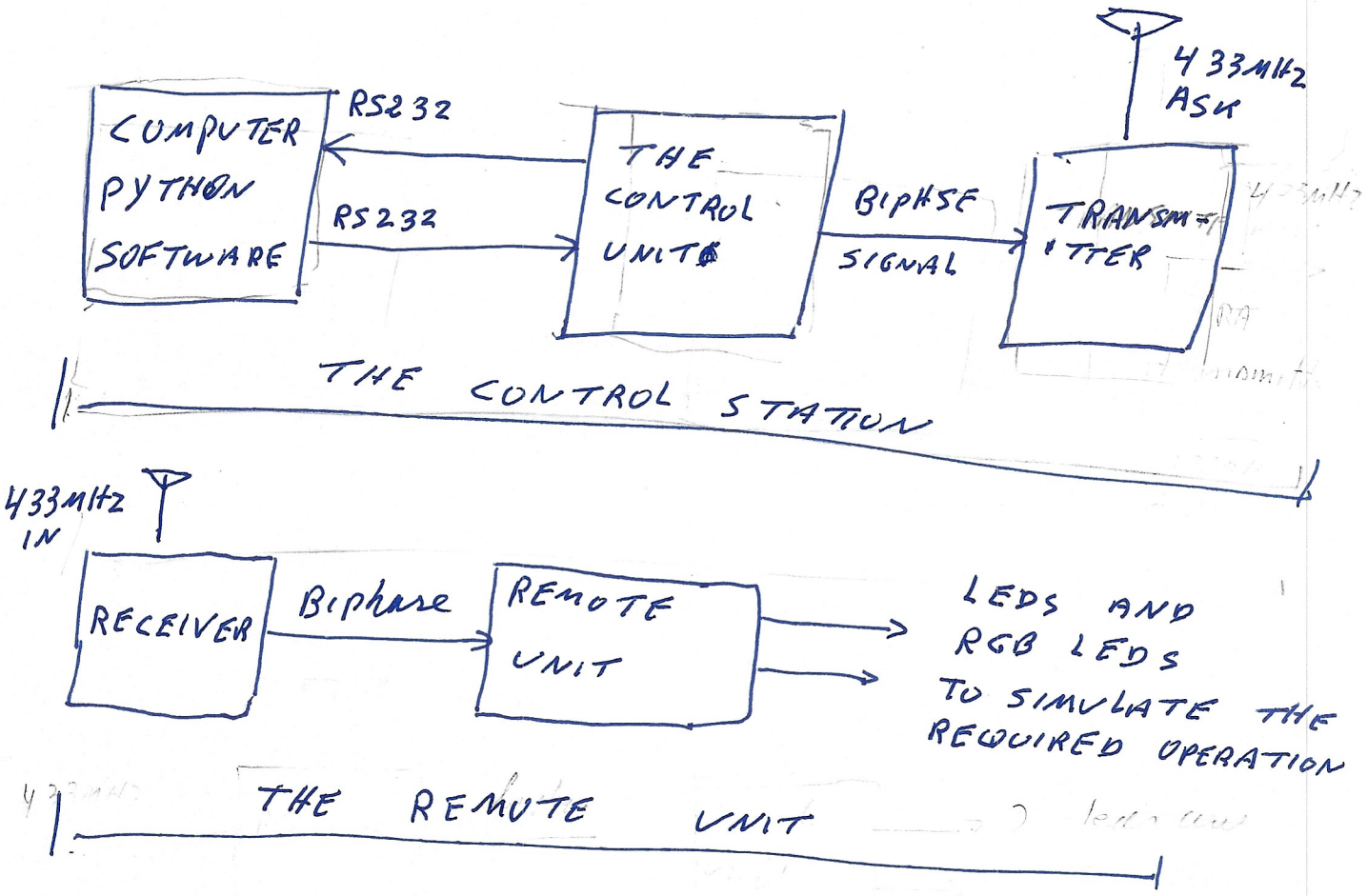
Our project involves the important field of remote control.
Remote control wirelessly of vehicles and robots is commonly used in various applications, including remote-controlled cars, drones, remotely operated underwater vehicles (ROVs), industrial robots, and unmanned aerial vehicles (UAVs), among others. It provides operators with the ability to perform tasks in environments that may be hazardous or difficult to access, offering increased safety and operational flexibility.

Remote Control Device: This is the interface used by the operator to send commands to the vehicle or robot. It can be a physical remote control with joysticks, buttons, and other input methods, or a software interface on a computer as is the case o our project.

For Wireless communication we used radio frequency 433mHz and the communication protocol ASK. The modulate signal was diphase.

As shown in drawing # 1.

Usually the remote vehicle sends feedback to the operator such as video, onboard camera, telemetry etc, Because lack of time and resources our Project is not using feedback, it probably will be used in another project.



DRAWING #1

SEE LATER THE DETAIL EXPLANATION OF THE PROJECT.