

# P1 Radio Systems Guidelines

## **Purpose**

The purpose of this document is to document and plan the future implementations needed once the hardware is connected and the electronics system is in place.

## **Component Details**

The purpose of *Radio Systems* is to provide a wireless MAVLink connection between a ground control station.

To meet the [overall & subsystem requirements](#), the things *the radio system* needs to do are:

1. Connect radio to Pixhawk
  - a. Use the 6 JST-GH connector from the radio into Pixhawk's "Telem 1"
2. Connect radio to PC
  - a. Connect the micro usb cable to pc

## **Timeline**

Low Priority

Medium Priority

High Priority

## **Additional Details and Notes**



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### **Status LEDs**

The radios have 2 status LEDs, one red and one green. The meaning of the different LED states is:

Green LED blinking - searching for another radio

Green LED solid - link is established with another radio

Red LED flashing - transmitting data

Red LED solid - in firmware update mode

## **Supporting Documentation (For Reference)**

[Concept of Operations](#)

[Allocation Requirements](#)

[SDR - Internal Version](#)

[Design Logic](#)