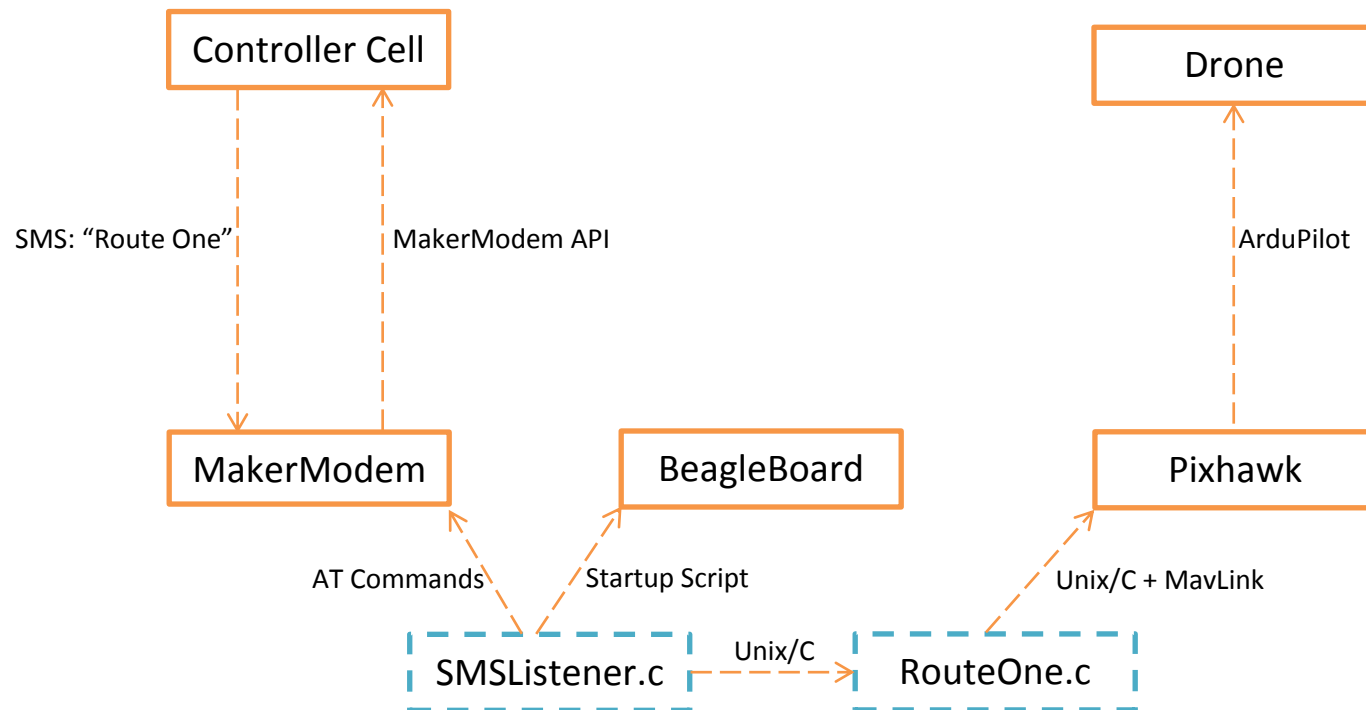


SMS Architecture: AUTO Mode using Verizon Wireless



The SMS AUTO Mode functionality requires first that a prefigured route is installed on the Drone using the Mission Planner software. This route is stored on the Pixhawk and is set by default to be executed upon a hardware controller signal. This default setting is overridden using `MAV_CMD_MISSION_START` which enables the flight plan to be executed upon entering AUTO mode without the need for a hardware controller. Once the message from the Controller Cell "Route One" is picked up by `SMSListener`, `RouteOne` is activated which acquires the heartbeat of the drone through the Pixhawk, and sends a message to the Pixhawk to take the drone out of the default STABILIZE mode and into AUTO mode at which point the prefigured flight plan is executed automatically.