Segway Rmp: Xbox Controller

- ○ The deadman needs to be pressed for the base to move.

- ○ If the boost axis is fully pushed forward, the speed range of the robot will be close to its maximum.

- ○ An axis/button input change is required at least every 0.5 seconds in order to send continuous commands. For example, one could continuously squeeze and release the LT button (opposite side of the deadman) for that purpose. We realize that this is kind of an annoying constraint. However, this is employed for safety measures, as the standard joystick drivers do not seem to provide information about the connection status between the joystick and the wireless receiver such as an heartbeat or keepalive messages. For instance, there is no way to detect whether the joystick becomes out of the receiver range without a "manual heartbeat".