Xbox Parameter Setting manual

This is a method of setting parameters related to shuttle operation.

Description

1. File name

names.py

2. File path related to parameter setting

joystick-serial/src/ums_xbox/names.py

3. When you find that route, go to the line below (18 ~ 31 line)

4. Description of each parameter

- MAX_ACCEL_VAL (command maximum accel value)
 - Anything above this value is limited to the set maximum value.
 - Maximum allowable value: 65535
- THRESH_ACCEL_VAL (threshold accel value)
 - The accelerator value increases rapidly before the threshold value, but slowly increases afterwards.
 - Maximum allowable value : MAX_ACCEL_VAL
- INCREASE_VAL (Accel value added)
 - This value added to converge to the target value (xbox accel value).
 - The larger the value, the faster the target speed is reached.
 - A value between 100 and 200 is recommended.
- DECREASE_VAL (Accel value subtracted)
 - This value subtracted to converge to the target value (xbox accel value).
 - The larger the value, the faster the target speed is reached.
 - A value between 100 and 200 is recommended.
- APS_INIT_VAL (APS initial value)
 - It is a fixed speed APS value when the gear is D or R.
 - A value between 2500 and 3000 is recommended.

- CRUISE_VAL (Cruise speed value)
 - This value is added or decreased when in cruise mode.
 - A value between 4000 and 6000 is recommended.
- LIMIT_STEER_VAL (command maximum steer value)
 - Anything above this value is limited to the set maximum value.
 - Maximum allowable value : 32767