

Output Signals: commands	Units	Type	Polarity	Notes
aileron	rad	double	pos TED	(right - left)/2
elevator	rad	double	pos TED	
rudder	rad	double	pos TEL	
throttle	nd	double	always pos	
flap	rad	double	pos TED	can go negative (up)

Inputs Signals: feedback	Units	Type	Polarity	Notes
phi	rad	double	pos roll right	roll angle
theta	rad	double	pos pitch up	pitch angle
psi	rad	double	pos yaw right	yaw angle
p	rad/s	double	pos roll right	body axis roll rate
q	rad/s	double	pos pitch up	body axis pitch rate
r	rad/s	double	pos yaw right	body axis yaw rate
ax	m/s <sup>2</sup>	double	pos forward	x - axis acceleration
ay	m/s <sup>2</sup>	double	pos right wing	y - axis acceleration
az	m/s <sup>2</sup>	double	pos down	z - axis acceleration
h	m	double	always pos	AGL altitude
ias	m/s	double	always pos	indicated airspeed
lat	deg	double	neg	latitude
lon	deg	double	pos	longitude
alt	m	double	varies	GPS altitude
vn	m/s	double	pos North	North Velocity
ve	m/s	double	pos East	East Velocity
vd	m/s	double	pos Down	Down Velocity