SCRIPT DOCUMENTATION

© Oyedoyin Dada, 2019

Thank you for purchasing this asset, please don't forget to rate it on the asset store. This document will guide you on the inner functions of each component and how to call them.

CALL METHOD

The functions can all be called with the get component feature e.g.

gameObject.GetComponent < Silantro Health > (). Destory Component (); will cause the health in view to activate its destruction sequence

or

gameObject.GetComponent<SilantroController>().TurnOnEngines(); will start the engines attached to the controller

SILANTROAEROFOIL.CS

ToggleTCS

Sets the state of the aerofoil. Aileron TCS mode i.e. determines if the ailerons will be deflected with the flaps to generate more lift during takeoff. Note; it is automatically deactivated once the gear is retracted.

Lower Flap

Increases the target flap angle to the next item on the predefined angle list.

Raise Flap

Reduces the target flap angle to the next item on the predefined angle list.

Actuate Slat

Extends or retracts the aerofoil slats based on its current state

Actuate Spoilers

Raises or Lowers the specified spoiler

SetTrimAngle (float angle)

Sets the aerofoil trim angle to the specified input angle

SILANTROWINGACTUATOR.CS

Swing Wings

Increases the wing sweep angle to the maximum preset angle

Extend Wings

Brings the wing back to its default sweep angle

SetWingAngle (float angle)

Sets the wing sweep angle to the specified input angle

SILANTRORADAR.CS

Select Upper Target

Selects the object above the current selection on the filtered objects list

Select Lower Target

Selects the object below the current selection on the filtered objects list

Select Target at Position (int position)

Selects the object at the specified position on the filtered objects list

Lock Selected Target

Locks onto the current object selected on the radar list

Release Selected Target

Release locked target

SILANTROCAMERA.CS

Activate Interior Camera

Activates the interior camera while disabling the exterior camera

Activate Exterior Camera

Activates the exterior camera while disabling the interior camera

Activate and Set Exterior Camera (int mode)

Activates the exterior camera and sets it to a predetermined mode i.e Free or Orbit camera mode.

SILANTROHEALTH.CS

Silantro Damage (float input)

Applies the selected damage value to the health component

DestroyComponent

Activates the destruction sequence for the selected health component.

SILANTROCONTROLLER.CS

Set Control State (bool state)

Selects if the aircraft is controllable or not i.e the aircraft control state is set to the specified bool value

TurnOn Engines

Starts the attached engines

TurnOff Engines

Stops the attached engines

Start Aircraft

Positions the aircraft and start the engines for a hot start process

Reset Scene

Reloads the current aircraft scene

VTOL Transition

Transitions the aircraft to its VTOL mode if the function is supported and enabled

STOL Transition

Transitions the aircraft to its STOL mode if the function is supported and enabled

VTOL Transition

Returns the aircraft back to its normal mode if the STOVL function is supported and enabled

SILANTROGEARSYSTEM.CS

Toggle Brake

Activates or deactivates the gear system parking brake

Activate Brake

Activates the parking brake

Deactivate Brake

Deactivates the parking brake

Toggle Gear

Raises or lowers the specified landing gear

Lower Gear

Raise Brake

SILANTROSPEEDBRAKES.CS

Toggle Speed Brake

Activates or deactivates the speed brake

Engage Brake

Activates the speed brake

Disengage Brake

Deactivates the speed brake

SILANTROHYDRAULICS SYSTEM.CS

Engage Actuator

Activates the specified hydraulic actuator

Disengage Actuator

Deactivates the specified hydraulic actuator

SILANTRO ENGINES (TURBOFAN, TURBOJET, TURBOSHAFT, PEGASUS, PISTON)

Start Engine

Stop Engine

Set Engine Throttle (float input)

Sets the engine throttle value to the specified input value

SILANTROARMAMENT.CS

Change Weapon

Cycles through the available weapons attached to the controller

Count Ordnance

Collects and counts all munitions attached to the weapon stores

Drop Bomb

Fire Missile

Fire Gun

Fire Rocket

SILANTROMUNITION.CS

Release Munition

Releases and drops the selected munition from its hang point. Note: Should only be used for bombs and unguided rockets

Fire Bullet (float muzzleVelocity, Vector3 parentVelocity)

Releases and fires a bullet based on the preset values i.e aircraft velocity vector and the gun muzzle velocity.

Fire Munition (Transform markedTarget, string ID, int mode)

Releases and fires a missile based on the preset values

- 1. Market Target: Locked target from the radar
- 2. ID: assigned id string used to keep track of the target movement and behavior
- 3. Mode; determines the firing mode of the missile
 - a. Mode 1: Drop Launch
 - b. Mode 2: Tube Launch
 - c. Mode 3: Left Trapeze Launch
 - d. Mode 4: Right Trapeze Launch