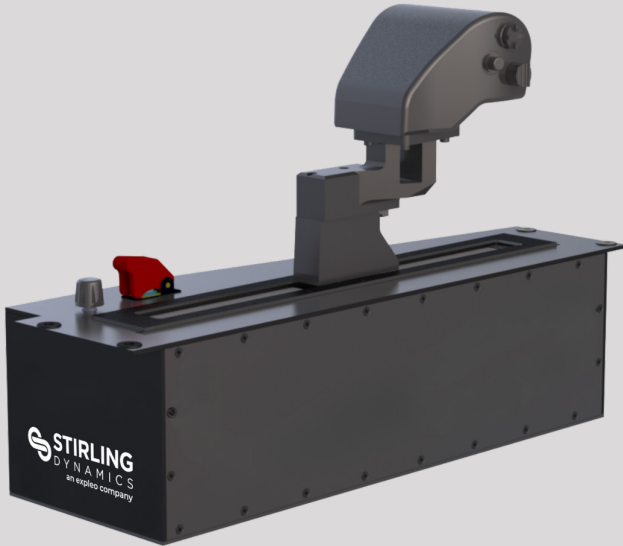# Single Linear Throttle

—— New 2023 model

[Product specifications and exterior design subject to finalisation - generic grip displayed]

Built for control

Stirling Dynamics' Single Linear Throttle is a fully active design influenced by fast-jet installations. The Single Linear Throttle brings both fidelity and functionality consistent with the family of Stirling Dynamics simulator targeted products. The fully configurable feel and replaceable grip system allows its use in other novel aircraft configurations. A perfect companion for the Compact Lite stick.

Features

- Programmable feel characteristics
- Real-time control
- Reconfigurable
- Common control interface

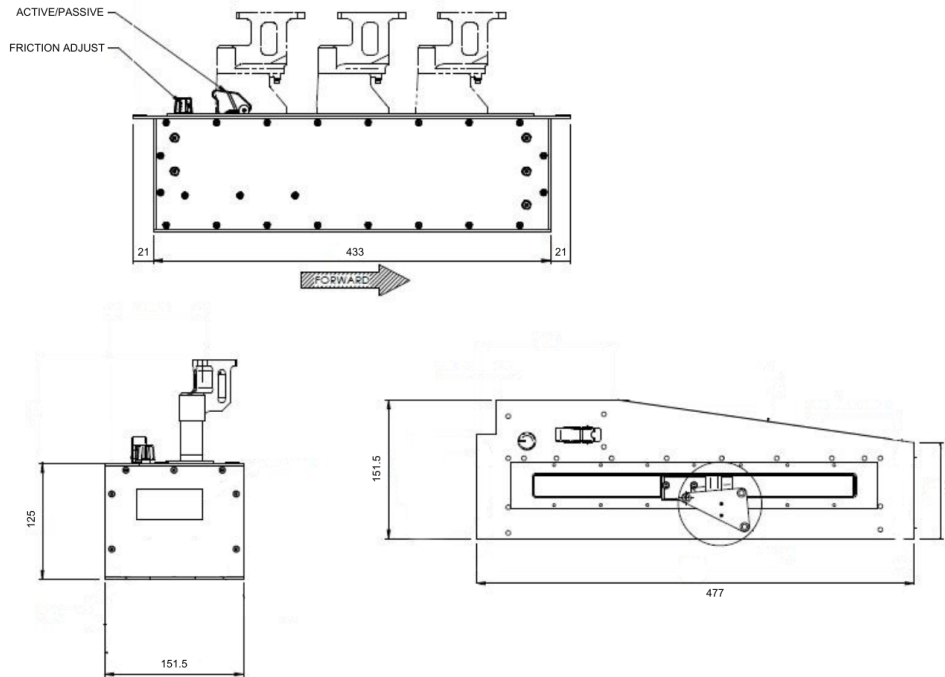| Description	Specification
Continuous operational force	90N (20 lbf)
Active travel	223 mm (8.7 in)
Maximum velocity	227 mm/s (9 in/s)
Interconnecting cables	1 x Interconnecting cable (5.5 m max)
Grip type	Compatible with generic grip or replica grips for civil or military applications
Grip interface	Bespoke interface
Grip switch wiring	Wired to ICM unit
Software interface	UDP over 1000Base-T ethernet
Input power supply	ICM, ICM Lite
Weight	6 kg (13 lb)

[Product specifications and exterior design subject to finalisation]

Our products work even better together

With versatility in mind, all of our active controls are commanded by either a dedicated electronics Inceptor Control Module (ICM) or Inceptor Control Module Lite (ICM Lite), which provide an ethernet interface allowing minimal integration effort. From a single fixed wing cockpit to dual rotary cockpit configurations, multiple ICMs can be used in combination to provide designers with total flexibility. Our products work straight out of the box and feature direct connectivity with X-plane and other major simulator packages when used in conjunction with our Matlab simulator interface.

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Product Integration

How do I connect and control my new Stirling simulator product?

Stirling Dynamics' active controls interface to your simulator software through a UDP over LAN connection. Multiple systems can be connected via the LAN with their own IP address. We can provide a separate GUI (Graphical User Interface) that can configure the devices with specific settings, or you can send message sequences to control your devices in real time. Stirling Dynamics will also provide you with all the integration documentation you will need to successfully set up your new control product.

Dashed lines supplied by client
Dotted lines supplied by client or Stirling Dynamics

48V Power Supply Unit

Mains Power Cable

Simulator Computer

Ethernet Cable

ICM-Lite

Grip Switch Cable

Motor & Signal Cable (max. 5.5 m)

Single Linear Throttle

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