

OUR FAMILY OF ACTIVE CONTROLS

Stirling's family of active controls are feature-rich, highly reconfigurable and suitable for single or dual (linked) cockpit configurations. Stirling's range of active products includes side sticks, throttles, collectives, cyclics and pedals. These controls are extremely compact, fully active and benefit from low acquisition and through-life costs.



Stirling has pioneered active control technology since the early 1990s and is proud to hold many industry and technology firsts, which include supplying the controls for the first ever fully active fly-by-wire helicopter flight. Today we supply the active sticks and throttles for the new F-35 pilot training simulators and continue to break new ground in cockpit control technology.

ACTIVE CONTROLS DATA SHEET



	Linear Throttle	Single Rotary Throttle	Dual Rotary Throttle	Next Generation Inceptor	Compact Stick	Cyclic/High Force Stick	Collective	Pedals
Continuous Force at Nominal Finger Reference Point (FRP)	178N (40lbf) FRP N/A	161N (36 lbf) at FRP 185mm (7.3")	89N (20lbf) at FRP 227mm (8.9")	156N (35lbf) at FRP 191mm (7.5")	156N (35lbf) at FRP 191mm (7.5")	110N (25lbf) at FRP 500mm (19.7") or 270N (61lbf) at FRP 205mm (8.1")	110N (25lbf) at FRP 500mm (19.7")	356N (80lbf) FRP N/A
Travel	227mm (8.9")	60°	50°	Pitch ±25° Roll ±25°	Pitch ±25° Roll ±25°	Pitch ±15° Roll ±25°	±15°	106mm (4.2")
Configurable Feel, Force and Dynamic Characteristics	✓	✓	✓	✓	✓	✓	✓	✓
Software Linked Dual Cockpit Controls	✗	✓	✓	✗	✓	✓	✓	✓
Integrated Electronics ⁽¹⁾	✓	✗	✗	✓	✗	✗	✗	✗
Ethernet (UDP) Interface	✓	✓	✓	✓	✓	✓	✓	✓
Windows 10 Compatible Configuration & Diagnostic Software ⁽²⁾	✓	✓	✓	✓	✓	✓	✓	✓
Recommended Power Supply Unit	28V, 10A	28V, 10A	28V, 10A	28V, 10A	28V, 10A	60V, 10A	60V, 5A	60V, 5A
Dimensions (L, W, D)	477mm (18.8"), 152mm (6.0"), 126mm (5.0")	240mm (9.5"), 100mm (3.9"), 145mm (5.7")	307mm (12.1"), 165mm (6.5"), 145mm (5.7")	195mm (7.7"), 122mm (4.8"), 154mm (6.1")	212mm (8.3"), 122mm (4.8"), 108mm (4.3")	264mm (10.4"), 152mm (6.0"), 125mm (4.9")	283mm (11.1"), 127mm (5.0"), 249mm (9.8")	533mm (21.0"), 547mm (21.5"), 371mm (14.6")

(1) Separate Inceptor Controller Unit required when electronics are not integrated. (2) Host PC not supplied.