



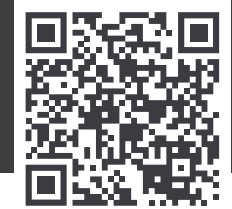
# CLS-E MK II YOKE.

Your choice for certified PTTs and FNPTs up to Level I.

BRUNNER is defining new standards in high performance Active Force Feedback flight simulator devices. As an element of our Control Loading System portfolio of leading drop-in devices, the new CLS-E MK II Yoke integrates perfectly into many new or existing PTT and FNPT cockpit environments. Further, it is the perfect match for ambitious private pilots as a desktop solution, especially in combination with our CLS-E Rudder. The CLS-E MK II provides excellent quality, high fidelity and unique durability at an affordable entry-level cost. It is unmatched in its class: intelligent brushless DC motor technology, a compact and sophisticated product design including Beechcraft style yoke handle with an integrated touch display creates training solutions which provide optimum training value.

The BRUNNER CLS-E MK II Yoke is supporting single as well as dual pilot applications. A unique real-time yoke synchronization logic enables unmatched and automatic pilot/co-pilot take-over functionality.

Additionally, CLS-E MK II Yoke simulates and represents various functions like autopilot and trim and allows for easy and fast installation and setup through real Plug- and Play capability. Enabled by our CLS2Sim software-environment, the CLS-E MK II Yoke communicates easily with commercially available simulation software such as X-Plane, MS-FSX, MS-Flight Simulator 2020 and Prepar3D®. Any third party flight simulation solution connects via a simple TCP/IP or UDP remote interface protocol.



# CLS-E MK II YOKE.

## Features.

- BRUNNER Drop-In or Desktop: fully integrated, with build-in control unit and 36 VDC power inlet (ext. power supply included)
- High fidelity for most realistic flight experience
- Including Beechcraft style yoke wheel with 5 programmable functions and 8 direction Hat Switch and touch display
- Simulated effects: engine, ground, turbulence, real trim, autopilot, stall etc.
- Dynamic pressure dependent force profile
- Brunner real-time synchronization logic for dual-pilot cockpit with automatic pilot/co-pilot take-over (MCC)
- Plug & Play (USB or CAN), Ethernet via optional high-speed E2CAN gateway
- Reliable, smooth and maintenance free design
- No fan, very quiet, highly efficient
- Contactless high-resolution position feedback
- Designed for cockpit environment or desk-top application
- Direct support for X-Plane, FSX, FSX Steam edition, Prepar3D, MS-Flight Simulator 2020 with Brunner CLS2SIM SW, X-Plane plugin for Windows, Linux & Mac
- CLS2Sim license for single cockpit application and private / no commercial use included
- Swiss Made
- 2 Years warranty

## Specification.

<b>Peak Force</b>	Pitch: 110N / 24.7 lbs Roll: 6Nm / 4.43 lb-ft	<b>Interface</b>	USB (USB-2 Type B), CAN (RJ45), Ethernet via optional E2CAN gateway-
<b>Travel</b>	Pitch: 160mm / 6.3 in Roll: +/- 90°	<b>Power</b>	400W peak (no fan)
<b>Yoke handle</b>	BRUNNER Beechcraft style	<b>Operating Voltage</b>	90-255VAC 50/60Hz (IEC5)
<b>Display</b>	2.4" Full-Color Capacitive Touchscreen TFT	<b>Size</b>	437 x 235 x 100mm 17.20 x 9.25 x 3.94 in
		<b>Weight</b>	6.3kg / 13.9 lb

## Dimensions.

