BRUNNER
dedication + innovation

MADE SWISS

FORCE
TRAVEL
PERFORMANCE

CLS-E NG YOKE.

Your entry point into realistic Flight Experiences - feel the difference.

The BRUNNER CLS-E NG Yoke is the consequent evolution of our long-term success product CLS-E Yoke, incorporating all gained experience and many customer voices, asking for an affordable, reliable and realistic flight experience.

The CLS-E NG Yoke integrates perfectly into many ambitious enthusiast applications, but also into new or existing cockpit training environments. CLS-E NG provides excellent quality, high fidelity and unique durability at an affordable entry-level cost. It is unmatched in its class: intelligent brushless BLDC technology, a compact and sophisticated product design and a configurable yoke handle creates training solutions which provide optimum training value. As an option, the yoke handle can be ordered with an integrated display.

The BRUNNER CLS-E NG 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. On Top, CLS-E NG 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 NG Yoke communicates easily with commercially available simulation software such as X-Plane, M-FSX, Prepar3D® and Aerofly FS2. Any third party flight simulation solution connects via a simple TCP/IP or UDP remote interface protocol.

ENDURING SUSTAINABLE FAIR ATTENTIVE OBJECTIVE HOLISTIC INNOVATIVE ENDURING SUSTAINABLE FAIR ATTENTIVE OBJECTIVE HOLISTIC

CLS-E NG YOKE.

Features.

- BRUNNER Drop-In or Desktop: fully integrated, with build-in control unit and 24 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
- 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)
- Designed for cockpit environment or desk-top application

- Plug & Play (USB and CAN)
- Reliable, smooth and maintenance free design
- No fan, very quiet, high efficient
- Contactless high-resolution position feedback
- Direct support for X-Plane, FSX, FSX Steam edition, Aerofly FS2, Prepare-3D with Brunner CLS2SIM SW, X-Plane plugin for Windows, Linux and Mac
- Unlimited CLS2Sim license
- Swiss Made
- 2 Years warranty

Specification.

Peak Force	Pitch: 40 N / 9 lb-ft Roll: 1.7 Nm / 1.3 lb-ft	**Interface**	USB (USB-2 Type B) CAN (RJ45)
Travel	Pitch: 90 mm / 3.6 in Roll: +/- 90°	**Power**	120W peak (no fan)
		Operating Voltage	19 - 24 VDC
Yoke handle	BRUNNER Beechcraft style optional: delivery without handle	**Size**	340 x 230 x 90 mm 13.38 x 9 x 3.54 in
Display	optional: 128x64 FSTN Backlight	**Weight**	5 kg / 11 lb

Dimensions.

CANopen®

ENDURING   SUSTAINABLE   FAIR   ATTENTIVE   OBJECTIVE   HOLISTIC   INNOVATIVE   ENDURING   SUSTAINABLE   FAIR   ATTENTIVE   OBJECTIVE   HOLISTIC

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