

FLY SAFE AND CHILL

HELITRAK AUTOPILOT SYSTEM™ FOR THE ROBINSON R44

 **HELI TRAK®**

HELITRAK AUTOPILOT SYSTEM™

FOR THE ROBINSON R44

Two-axis (Pitch Roll), fully self-contained Autopilot/Flight Director with Unusual Attitude Recovery and Override Capability

Certified to the Highest FAA Safety Standards

- ✓ Fail-functional, Triple Redundant Architecture
- ✓ Design Assurance Level A Software

Modes of Operation:

- ✓ Engage/Disengage
- ✓ Low-G detection and warning
- ✓ Unusual attitude detection and (UAR) recovery
- ✓ Heading Hold
 - Increment ± 3 Degrees
 - Standard Rate Turns
- ✓ Altitude Hold
 - Increment ± 25 Feet
 - Standard Rate Climb/Descend
- ✓ Airspeed Hold
 - Increment ± 5 KIAS
 - Overspeed/Underspeed Protection

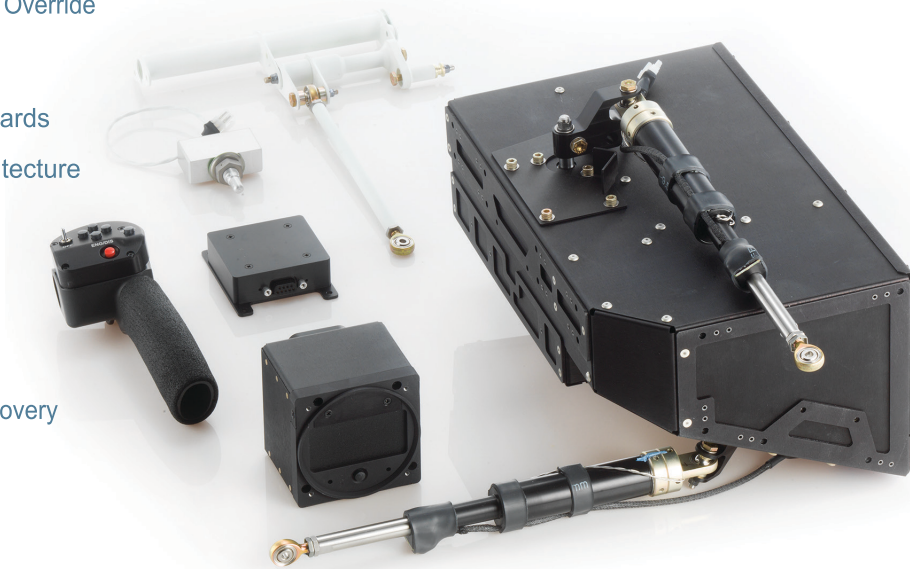
Pilot override detected immediately and provides for pilot fly-through capability.

Simple Installation

- ✓ LRU mounts under pilot seat with minimal storage loss
- ✓ Standard 3-1/8 inch circular display, optional panel mount.
- ✓ Pilot interface buttons conveniently located on cyclic controls
- ✓ Fully integrated sensor system (ADAHRS)
- ✓ No external sensors or displays required

Future Growth

- ✓ Navigation/GPS Integration
- ✓ Interface to HeliTrak Collective Pull Down (CPD) for application of aft-cyclic cues during autorotation entry
- ✓ 3,4-Axis Control (Yaw Damper and Collective)



Benefits

- ✓ Helps prevent loss of control during inadvertent IMC
- ✓ Reduces fatigue for extended flights and in turbulence
- ✓ Reduces pilot effort in high workload situations

Specifications

Total System Weight

Less than 9 lb

Main Processor Dimensions

14" L x 13" W x 3" H

Qualification Testing

RTCA/DO-160G Environmental Specifications

Certification

Supplemental Type Certificate (Pending)

Power

14V and 28V Operation

U.S. Patent

Protected by U.S. Patents; other patents pending (<http://www.helitruk.com/service-support/patents>)



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