

We guide your mission

KUERZI
aviation

RADIO CONTROL UNIT BGH-12



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an EASA approved company:
DOA Part 21 J (DO-160 / DO-178 C), POA Part 21 G, MOA Part 145

member of:
SVFB, AOPA, Swiss aerospace cluster, AEA, RTCA, EBAA

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**YOUR SWISS AVIONICS
ENGINEERING COMPANY**

VISION

We are the global aviation specialist,
who achieves time with optimized systems,
to let you focus on your priorities

MISSION

With our range of services, we realize ideas,
which drives the international aviation industry.

COMPETENCE

With more than 40 years of experience and steady growth,
we have the right know-how that allows us to implement
tailor-made projects in a short time.



Good to know

In business since 1978. In-house component production. Aviation Engineering on all aircraft types including hardware, software (DO-178C) development, laboratory and flight testing.

"We accompany you from inception to series production
and support you on every step."

Ralf Kürzi, CEO

RADIO CONTROL UNIT BGH-12

KUAV P/N 1111396.1
 Minor Change Approval MCA-20111396

A Multi Application Interface Unit

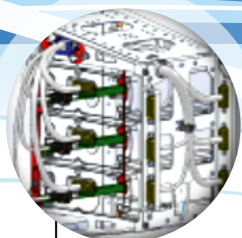
The simple operation of the BGH-12 and its organized information display reduces pilot work load and increases flight Operation safety according to the international Flight rules: Communication, Navigation, Surveillance (CNS)

The smart and innovative Kuerzi Avionics Multi-Application Interface BGH-12 connects to any system on the aircraft. The modularity of the BGH-12 means that it can be configured for up to seven different signal inputs and manipulations.

A smart and innovative modular development from Kuerzi Avionics



PRODUCTION HISTORY



02/2012
 Producing the design datas



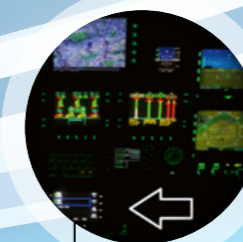
07/2012
 Producing the Mockup



01/2013
 Production 0-series



05/2013
 EMC/EMI DO-160 Testing



07/2013
 NVIS Testing



11/2013
 Market Introduction

Radio Control Unit BGH-12

KUAV P/N 1111396.1 for AgustaWestland AW109SP / Airbus EC145

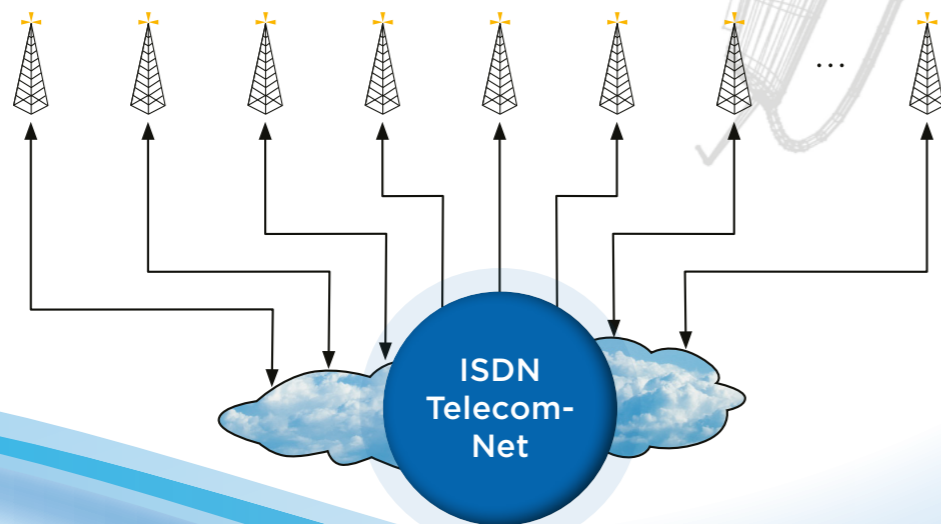
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Technical Datasheet

Radio Control BGH-12

- Operation of «Company-Radios»
- Sending GPS position messages of the Aircraft to the operation center
- Sending status messages of the Aircraft to the operation center
- Transmission of mission coordinates from the operation center to the Aircraft
- Display Euronav / GPS data
- SELCAL function
- Emergency call function



OVERVIEW

Tecnical

The operating system of the BGH-12 can be either Microsoft or Linux. Host your software application on aviation approved and certified computer.
The BGH-12 case dimensions 163x146x122 mm can be installed in the center pedestal or the avionics rack according to Arinc Specification 601. The systems digital or analog connect via D-Sub and Ethernet connectors. For easy maintenance a USB port is located in the front panel.
Since the BGH-12 impact on aircraft safety is rated as minor the system is designed to Design Assurance Level (DAL) D. DO-160 Helicopter vibration and EMI tested.

KUAV P/N 1111396.1; Minor Change Approval MCA-20111396; for AgustaWestland AW109SP / Airbus EC145



Radio Control Unit BGH-12

KUAV P/N 1111396.1 for AgustaWestland AW109SP / Airbus EC145



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OPERATION



Development

The BGH-12 was originally designed and developed for Multi-mission and special mission operations. One of the first customers was the Swiss Search and Rescue operator, REGA. Built into their Augusta A109 Da Vinci fleet, BGH-12 gives pilots a permanent monitoring and operation of 3 radio frequencies, transponder squawks and messaging to-and-from the ground control as well as EuroNav data receiving and sending capabilities. The selective call assures a safe landing and the emergency button tracks the position in, and automatically sends the Emergency Code Status to the ground control. This innovative multi-application interface Unit can easily be selected with the touch of a button even with gloves.



General Advantages

- Permanently connected with the ground control and the targeted point
- Freight transport - tracking the flight interval data and forwarding it with an Iridium connection to the operator station
- Flight following system - crew change missions
- Easy targeted location - selective call
- Quick position tracking in case of emergency
- NVG compatible - no mission limit



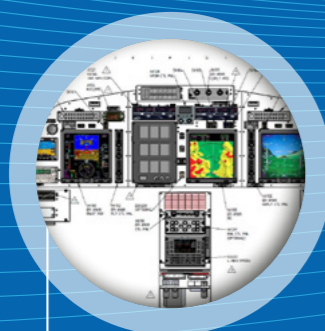
Application

The BGH-12 however can be laid out to the customers' individual requirements and needs and could thus display parameters such as engine CHT, EGT, TIT and manifold pressure. Beyond EMS Applications, the BGH-12 is suitable for:

- Offshore Services
- Heli-Logging
- Firefighter Service
- Border and Maritime Patrol
- MEDEVAC

Your customized Aviation Solution provider

PRODUCTS AND APPLICATIONS



**Design and
Development**

EASA DOE Part 21 J



Production

EASA POE Part 21 G



Maintenance

EASA MOE Part 145



OEM Supplier



**Emergency
and medical**



Special Mission