

FreeFlight Systems and Air Dallas Instruments Alliance Enhances King Air Operators' Safety through 5G-Tolerant Radar Altimeter Technology



FreeFlight Systems, a leader in next-generation avionics and radar altimeter technologies, and Air Dallas Instruments, a pioneer in aviation instrument solutions since 1977, announce a strategic alliance. This partnership will enable the installation of FreeFlight's cutting-edge 5G tolerant radar altimeters—specifically the [RA-5500](#)—on King Air aircraft, providing operators with enhanced safety and reliability.

“Air Dallas Instruments is excited to partner with FreeFlight Systems,” said Danny Barnfield, President of Air Dallas Instruments. “This collaboration enables us to provide King Air operators with state-of-the-art 5G-tolerant radar altimeters

and the capability to upgrade older analog altimeters. This initiative underscores our unwavering commitment to advancing safety and performance in aviation technology.”

Since radar altimeters are responsible for 55 essential functions within aircraft avionics, the increasing concern regarding 5G interference is critical. Such signals can adversely affect pilots operating in various environments, not solely in proximity to urban areas or new cellular towers. FreeFlight’s [TERRAIN SERIES](#) radar altimeters incorporate a cutting-edge digital processing system, ensuring accurate altitude readings that effectively mitigate the risks associated with 5G interference.

Shane LaPlante, Vice President of Sales and Marketing at FreeFlight Systems, emphasized the importance of this collaboration: “We’re excited to partner with Air Dallas Instruments. This collaboration underscores our commitment to enhancing safety and performance within the aviation industry. Our advanced radar altimeters represent a significant upgrade for King Air operators, providing peace of mind for safety and situational awareness.”

The TERRAIN Series Radar Altimeters from FreeFlight are meticulously engineered to deliver exceptional accuracy and performance for any platform flying worldwide. With tailored high refresh rates, these altimeters ensure optimal operational effectiveness, equipping pilots with dependable tools for safe navigation amidst increased airspace congestion and near cellular towers. The [RA-5500](#) is distinguished as the only 5G-tolerant radar altimeter that provides operators with a comprehensive digital processing solution, serving as a self-contained retrofit for the direct replacement of legacy analog Altimeters.

As the aviation industry continues to evolve, the need for reliable altitude measurement solutions remains paramount. FreeFlight Systems and Air Dallas Instruments are dedicated to equipping King Air operators with the advanced technology required to navigate safely and effectively in today’s complex airspace.

For more information about this innovative partnership and to explore the advanced radar altimeter solutions available, please visit [FreeFlight Systems](#) or [Air Dallas Instruments Website](#).



About Air Dallas Instruments

Air Dallas Instruments, established in 1977, is a family-owned aviation instrumentation service provider known for its high-quality testing, repairs, overhauls, exchanges, sales and Avionics Installs. Over the past four decades, Air Dallas Instruments has grown into one of aviation’s most well-respected facilities, doing work for companies within the U.S. and internationally. Whether our customers are individuals, corporations or

airlines, we treat everyone with equal respect. Our reputation speaks for itself. With a strong reputation for quick turnarounds and competitive pricing, the company supports Aircraft-On-Ground (AOG) situations to minimize client downtime. Under the leadership of President Danny Barnfield, Air Dallas Instruments continues to uphold the values of integrity, quality workmanship, and customer satisfaction.



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