



GTX 3000

Part Number: 010-00736-00

Overview

Created to meet the unique demands of transport category aircraft, the GTX 3000 Mode S ES remote transponder features robust capabilities like ADS-B “Out” transmission and TCAS II/ACAS II compatibility.

Meet ADS-B “Out” Requirements

Certified to meet DO-260B/TSO C166b requirements, the GTX 3000 offers an affordable pathway to ADS-B “Out” compliance when installed alongside an approved SBAS/WAAS GPS position source, like certain Garmin flight decks or [GTN series](#) avionics. Using 1090 MHz extended squitter (ES) transmission, the GTX 3000 broadcasts details such as your accurate, GPS-calculated position, flight ID, altitude, velocity, climb/descent and heading information to ATC ground stations at the rate of once per second – far faster than traditional radar tracking. The net result is that ATC gets a far more accurate picture of what’s happening in the sky and allowing them to safely reduce separation minimums for more efficient flights.

Where ground stations are not yet capable of receiving extended squitter data, the GTX 3000 will still operate with traditional ATC protocols as a Mode A, C or S transponder.

Track and Be Tracked

With the GTX 3000, the flight data you broadcast to ATC ground stations is also broadcast to all nearby TAS or TCAS equipped aircraft. The TAS or TCAS system enables them to see a similar traffic picture as ATC, and providing all ADS-B equipped aircraft in the vicinity a level of redundant tracking.

The GTX 3000 is also designed to work with TCAS II /ACAS II traffic systems, like the [Garmin GTS 8000](#), in order to negotiate Resolution Advisories (RAs). When your traffic system detects an immediate conflict, it will use your GTX 3000 to communicate with the conflict’s TCAS II/ACAS II system to determine the best course of action for both aircraft. Each pilot will then be given visual and aural RAs with separate but complimentary instructions. For example, one pilot may be told to climb while the other is told to descend.