

RELAY AIRCRAFT WITH UNPRESSURIZED CABIN

The Britten-Norman Islander (BN-2) is a highly versatile, reliable and robust twin-engine propeller aircraft. Its technical configuration is adaptable to all types of operations. Its low airspeed allows for precise positioning, making it the ideal alternative to using a relay helicopter. With an operational ceiling of 3,500 meters and the use of an antenna controlled by GPS position, the reception coverage area is extended.

TECHNICAL SPECIFICATIONS

PILOT ASSISTANCE AND POSITIONING OF THE RELAY AIRCRAFT

- Display of the position of all mobiles on a dynamic map
 - Each mobile communicates its GPS position, speed, altitude, direction, movements, etc
- All this information is available on demand for better positioning of relay aircraft during the race.

Antenna and RF System

Transmission

- 2 retractable masts of 2 meters
- High-gain directional transmission antenna
- Antennas installed on a motorized support, controlled by GPS (autotracking system during transmission)

Reception

- 4 omnidirectional reception antennas
- 2 antennas on a motorized support, controlled by GPS (autotracking system during reception)
- 16 antennas (VRF/URF) for the transmission/reception of radio communications and GPS data



7H MAX

Autonomy up to 7 hours

4200M

Maximum flight altitude: 4200m



Successful completion of EMI tests



Aircraft operated by Pixair Survey

KEY FEATURES

- Up to 8 hours of autonomy
- Working speed of 130 km/h, allowing precise tracking close to the race
- Flight possible in icing conditions
- Full EASA certification