

# Wireless Direction Finding Plug & Fly



The recent rise in the use of multi-role aircraft has led to the development of roll fit equipment allowing a single aircraft to be configured for multiple disciplines including; Search & Rescue, Air Ambulance and Police.

A Direction Finding system is essential for any Search & Rescue aircraft, however traditional systems are expensive and hard wired to the airframe, which does not suit the nature of a multi-role aircraft. With this in mind, Techtest has developed a wireless Plug & Fly Direction Finding system that easily fits to the outside of the aircraft. Relying on the Airfilm DT-11 Dovetail mount, the DF system allows your aircraft to quickly be configured for Search & Rescue in under 5 minutes. The wireless Plug & Fly DF system is also transferable between aircraft, meaning the operator doesn't lose Search and Rescue function during maintenance periods.

## FEATURES

- Reduces capital expenditure
- Rechargeable units
- Transferrable between fixed wing and rotary wing
- Multi-platform use
- Special mission configurable
- Range 50 Km
- Operational temperature at -20°C
- Military, Para-public and Civil use
- Fitted and certified without any aircraft modification

## SAR Portable Aircraft Solution

Minimise downtime with this innovative portable system

### Nose Bracket

The DF Plug & Fly sits perfectly on the nose of the airframe providing optimum Air to ground visibility. Mounted using dovetails/quick connects.



### Step Mount

Mounted using dovetails /quick connects. Low weight .



### Fixed Wing

Designed using dovetails/quick connects. Low weight.

### Wireless Display

A light weight ruggedised table connects via WiFi to the DF antenna. Providing a portable touch screen DF solution.



## Headquarters:

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# Specification

**Compatible with all 406MHz Cospas-Sarsat ELTs**  
**Concurrent tracking of ELTs**

**Direction Finding Frequencies:**  
 110MHz to 410MHz.

**SAR Range:**  
 50km on 406MHz,  
 20km on 121.5 and 243MHz at 1000m AGL

**DF Accuracy:**  
 5° RMS

**Polarisation:**  
 Vertical

**Decoder frequency:**  
 406MHz

**Message format:**  
 Cospas-Sarsat C/S T.001

**Environmental:**  
 MIL-STD 810, DO-160

**EMC:**  
 MIL-STD: 461, DO-160



## 406-33

**Diameter:** 500mm  
**Height:** 237mm  
**Weight:** 12.3kg  
**Connectivity:** Wireless  
 Up to 6 hours Rechargeable Battery Power.



## Ruggedised Tablet

**Operating System:** Windows 10  
**Endurance:** 7 Hours  
**Screen Size:** 10 inch  
**Dimensions:** 198x279x25mm  
**Weight:** 1.1kg (minus cables)  
 IP67 Protection & MIL-STD-810G Certified



**Solutions readily available using the Meeker Airfilm DT-11 Mount:**

Leonardo Helicopters A109 / A119

Bell 206 / 206L / 407 / OH-58 / 206 / 206L / 407 / UH1H / 205 / 210 / 212 / 412 / 429 /  
 GRIFFON UH-1N

Airbus Helicopters AS-350 / 355 / EC-120B / EC-135 / EC-145

Cessna Caravan / 206 and 182

Sikorsky Blackhawk UH-60

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