



Terrain Awareness & Warning System For Helicopters

Helicopter Terrain Awareness & Warning System Garmin HTAWS

- ▶ Graphical and audible alerting
- ▶ Enhances flight safety
- ▶ Improves situational awareness

Garmin HTAWS



The Garmin HTAWS is developed for the GNS 530W and GNS 430W series navigators and adds graphical and audible alerts of potential terrain and obstacle conflicts to these existing Garmin Navigation Systems.

Garmin has incorporated three new helicopter specific databases for HTAWS. The obstacle database adds nearly 30,000 additional low altitude obstacles. The new terrain database has been enhanced to show higher resolution.

The navigation database lets operators navigate to over 7,000 heliports without having to create user waypoints at those locations.

Key Features



The HTAWS system has forward looking terrain avoidance (FLTA) capability with visual and aural advisories to keep pilots advised of hazardous terrain.

It incorporates a new five color terrain scale (red, orange, yellow, green and black), and also gives terrain voice alerts when descending below 500 feet. Voice callouts operate in all HTAWS modes, and Garmin's technology allows the pilot to select multiple callouts, in one hundred foot intervals, descending from 500 to 100 feet above ground level (AGL).

In addition, Garmin's HTAWS offers a reduced protection (RP) mode that allows low-level operations with minimal alerting while continuing to provide terrain and obstacle protection.

- ▶ **Forward Looking Terrain Avoidance (FLTA)**
Visual and aural advisories to keep pilots advised of hazardous terrain.
- ▶ **Voice Callouts (VCO)**
Audibly announcements on the helicopter's height when descending below 500 ft.
- ▶ **Reduced Protection Mode (RP)**
Uses for low-level operations to minimize alerting while continuing to provide protection.
- ▶ **Helicopter Specific Databases for HTAWS**
- ▶ **Annunciations display on the Garmin G500H large PFD and MFD.**

Complete turn-key solutions

Scandinavian Avionics provides a complete turn-key solution for your helicopter:

► Equipment

Supply of the Garmin HTAWS and other required equipment.

► Certification

Supply of existing STC or development of new STC depending on the aircraft type.

► Installation

Installation of the Garmin HTAWS solution at one of our facilities around the world or at any other EASA Part 145 approved facility.

► Training

Garmin HTAWS familiarization training

If you need more information or are interested in discussing your possibilities with the Garmin HTAWS, please feel free to contact us.



We are Aircraft Systems Integration company with Design & Engineering as its core strength which is backed by Civil & Military approvals like Design -21, Sub Part J & CEMILAC including multiple years of successful track record of bringing Technology at the door step of customers & ensuring a sustainable business & industry at large.

We are team of technical craftsman with several decades of expertise in building new design & having it certified by respective regulator as STC for further implementation on aircraft.

With the stated expertise in the niche field we take pride in delivering a Safe & Complaint Solutions In India & subcontinent since several years consistently & winning the trust of customers.

CAR-145 | CAR/PART -21 | CEMILAC | ISO | WPC I