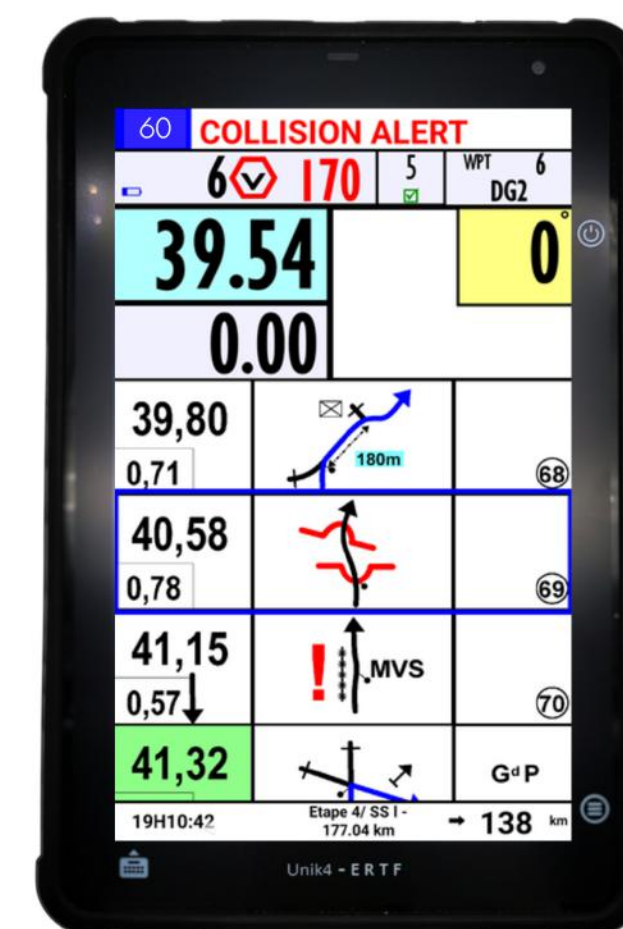
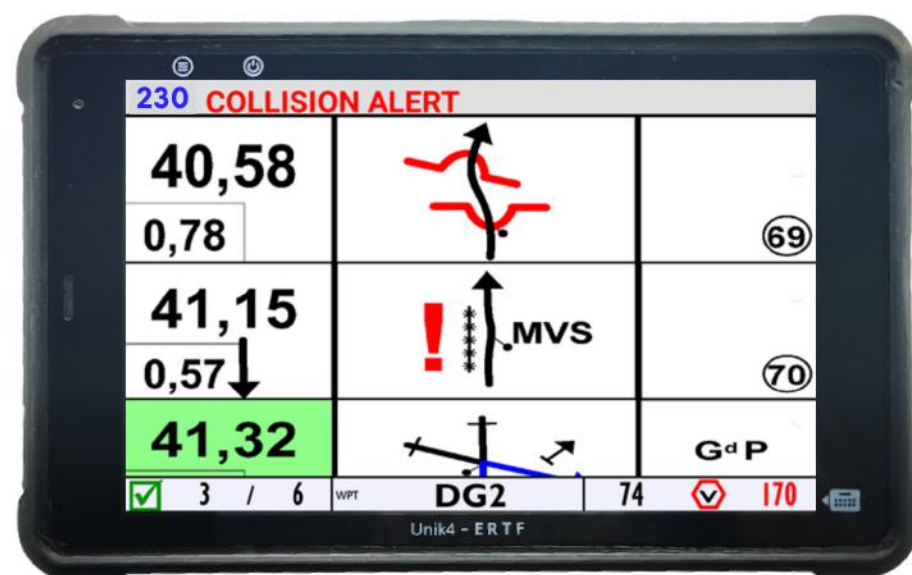


COLLISION ALERT

NEW RADIO COMMUNICATION SYSTEM

UNIK4



COLLISION ALERT

WHY IT HAS BEEN DEVELOPPED

BEFORE

ALTCOL had been developed in 2016 and was effective up until 2021.

It would activate whenever the vehicle was going back on its tracks, within strictly a width range of 150m.

It would turn off after 6km, giving a false sense of security.

For this reason it had been removed.

NOW

ERTF is introducing an enhanced Sentinel function which aims at signaling a potential collision danger which could come from any direction.

Collision Alert is using Sentinel signal emitted by radio antenna of GPS



BIKE
AESE-206



AUTO
AESE-106

 In case of 2 GPS installed in the car, **only the main GPS** - designated with a P - will have this function.

Make sure it is installed according to mounting instructions.

COLLISION ALERT

HOW IT WORKS

Thanks to the radio signal, the position of each vehicle is emitted.

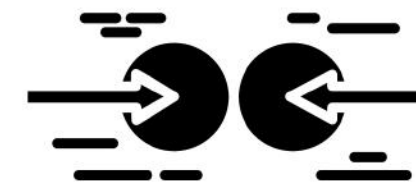
The system then analyses several criterias:



The distance
between the vehicles
Range of 400m



The absolute speed
Effective above 15km/h
Below, the ALARM has priority
↳ (AUTO/SSV/TRUCKS)

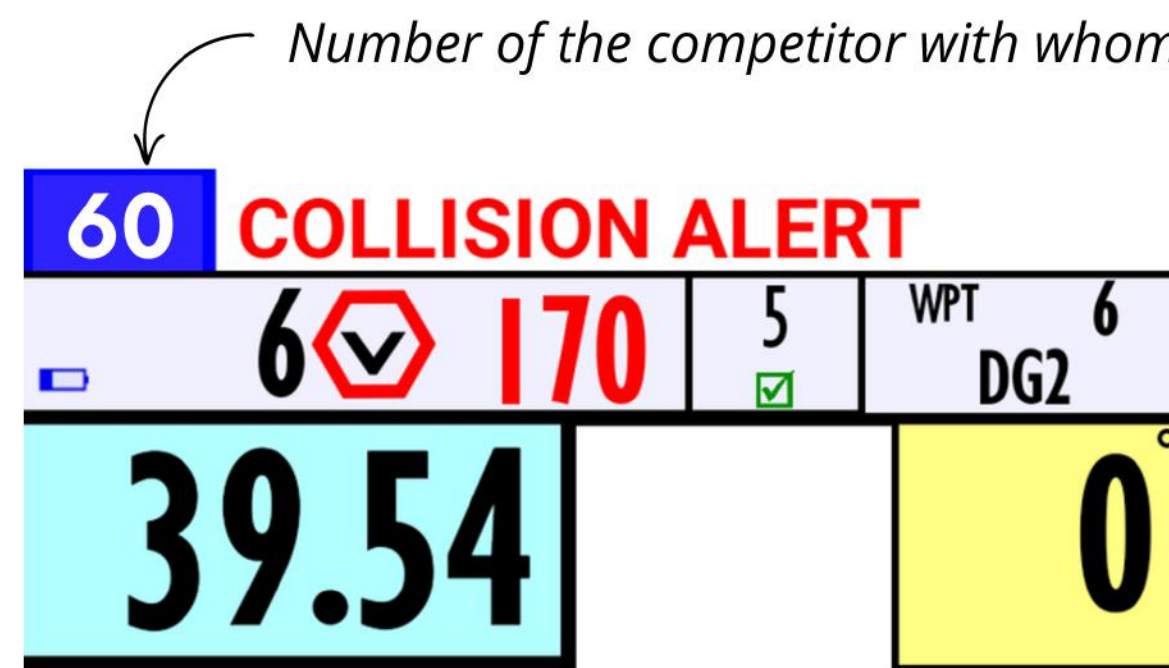


The speed of approach



The estimated time
before collision

If the system detects a collision risk, the buzzer will emit an alert sound, and a message will appear on the screen of the Unik4:



UNIK4 AUTO



UNIK4 BIKE

COLLISION ALERT

SPECIFICS



The buzzer will sound same as an ALARM, with long discontinued bips. The buzzer sequence lasts 6 seconds, so it may still be active a few seconds after the danger has passed.

The ALARM signal has priority over the COLLISION ALERT.

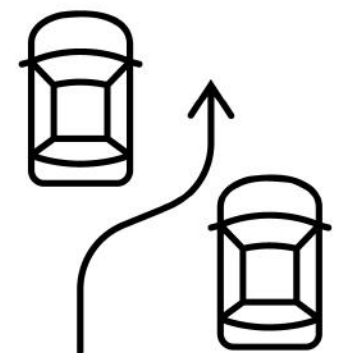
Reminder: ALARM is on whenever a vehicle has stopped within a range of 250m in front of a moving vehicle; or when AUTO/SSV/TRUCKS are below 15km/h.

ALARM		0		130		0		WPT		1	
123.69		245°		0		DTW		4882.3		0	
0.24		←									



The system can detect not only one but several vehicles which are about to collide. The race numbers of the competitors displayed on top left of the screen will switch from one to another.

When a competitor requests an overtake and if there is any collision risk, the COLLISION ALERT will have priority.



COLLISION ALERT will be deactivated during road sections, transfer zones, neutralizations and controlled speed zones, as well as between last WPT and ASS. It may be deactivated in specific cases, such as for example prologues, when it takes place in small places. The COLLISION ALERT would keep on ringing.

COLLISION ALERT

EXAMPLE

A car is approaching a bike at 80km/h.

The bike is going slowly, at 40km/h.

The speed of approach is of 120km/h.

COLLISION ALERT will be triggered.

