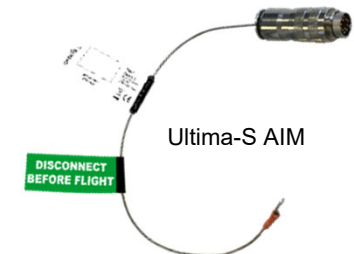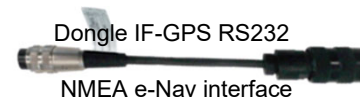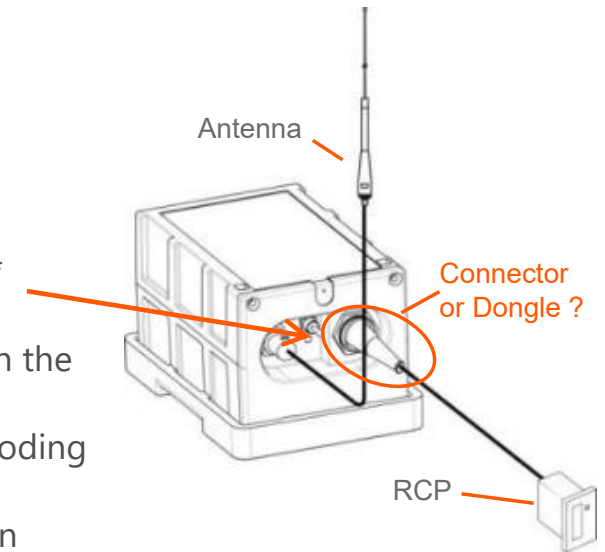# DIN12 CONNECTOR AND DONGLES

- A DIN12 connector is used to connect the ELT to the RCP.

- This connector can include a memory module containing the coding information of the ELT
  It is called a "Programming Dongle"

- In fixed installation (AF, AP...) the dongle is permanently attached to the ELT side of the RCP* cable.

- In survival installation (AS, Survival...) the dongle can be stored in the mounting bracket or in the carry-off bag.

- To program an ELT from a dongle, connect the dongle to the ELT, then switch to ARM. The coding information is transferred from the dongle to the ELT

- Once the ELT is programmed, if the dongle is removed, the ELT keeps the coding information previously downloaded from the dongle

- To restore an ELT back to factory programming (test protocol), use a maintenance dongle.

- If you are not sure whether you have a dongle or a simple DIN12 connector, look at the P/N of the connector : S1820514-03 is a connector, other P/Ns are dongles.

- For more information about dongle identification, you can refer to the FAQ "How to reprogram my ELT/Dongle ?" online decision tree on our Kannad ELT Support page

Antenna

Connector or Dongle ?

RCP

Maintenance dongle

Programming dongle

DIN12 connector

Dongle A320

Programming dongle assembly

Dongle IF-GPS RS232

NMEA e-Nav interface

Ultima-S AIM

DISCONNECT BEFORE FLIGHT

REMOVE BEFORE FLIGHT

* RCP = Remote Control Panel
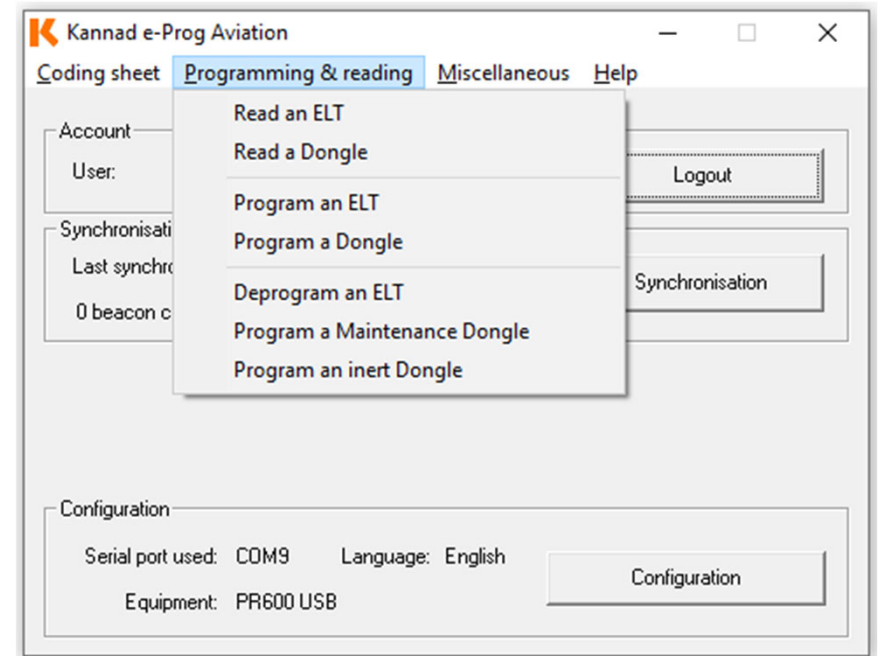
orolia

ELT OR DONGLE PROGRAMMING

Requirements
- Computer (Windows XP minimum)
- Hardware: PR600 programming kit
- Software: Kannad e-Prog latest version

The PR600 equipment is designed to program either the ELT or a Programming Dongle.

PR600

ELT REPROGRAMMING (WITH PROGRAMMING DONGLE)

- Connect the outside antenna or a 50 Ohms load to the BNC socket

- Switch the ELT from OFF to ARM,

- Check that the Self-Test fails (3+4 flashes).

- If not, connect a maintenance dongle to the DIN12 socket:
  - Switch the ELT from OFF to ARM,
  - Check that the Self-Test fails (3+4 flashes),
  - Remove the maintenance dongle from J1.

- Connect the "Programming Dongle" to the DIN12 socket

- Switch the ELT from OFF to ARM:

- The buzzer operates during the whole self-test procedure, after a few seconds the LED displays the result.

- Check that the Self-Test result is OK (one long flash).

- Do not switch the ELT to "ON" position at any time, unless a real emergency case.

Why ?

Note : before programming an ELT from a dongle, it's mandatory to ensure that the ELT is not programmed yet (maintenance code = 3+4 flashes).

This is to ensure that the dongle is OK :
1. If the dongle is defective, the ELT will keep its previous coding :
   - If the ELT was not programmed (3+4 flashes) it will continue to display 3+4 flashes → Self-Test Failed = dongle failure detected
   - If the ELT was programmed from a previous aircraft (One long flash) it will continue to display one long flash.→ Self test OK = dongle failure NOT detected.
2. If the dongle is correct, the ELT will get the new coding from the dongle.
   - If the ELT was not programmed (3+4 flashes) it will then display one long flash → Self-Test OK = programming done.