

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.



ELT OR DONGLE PROGRAMMING WITH A PR600 PROGRAMMING KIT

Requirements

- Computer (Windows 2000, XP, Vista 7,8,10)
- Hardware: PR600 programming kit
- Software: Kannad e-Prog

Before installation on board an aircraft, the operator must ensure that the ELT is programmed (self-test OK) and registered with the relevant COSPAS-SARSAT authorities.


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



PR600
P/N 1201570



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).  Why ?
- 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.

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.

Maintenance Dongle P/N: S1820514-02