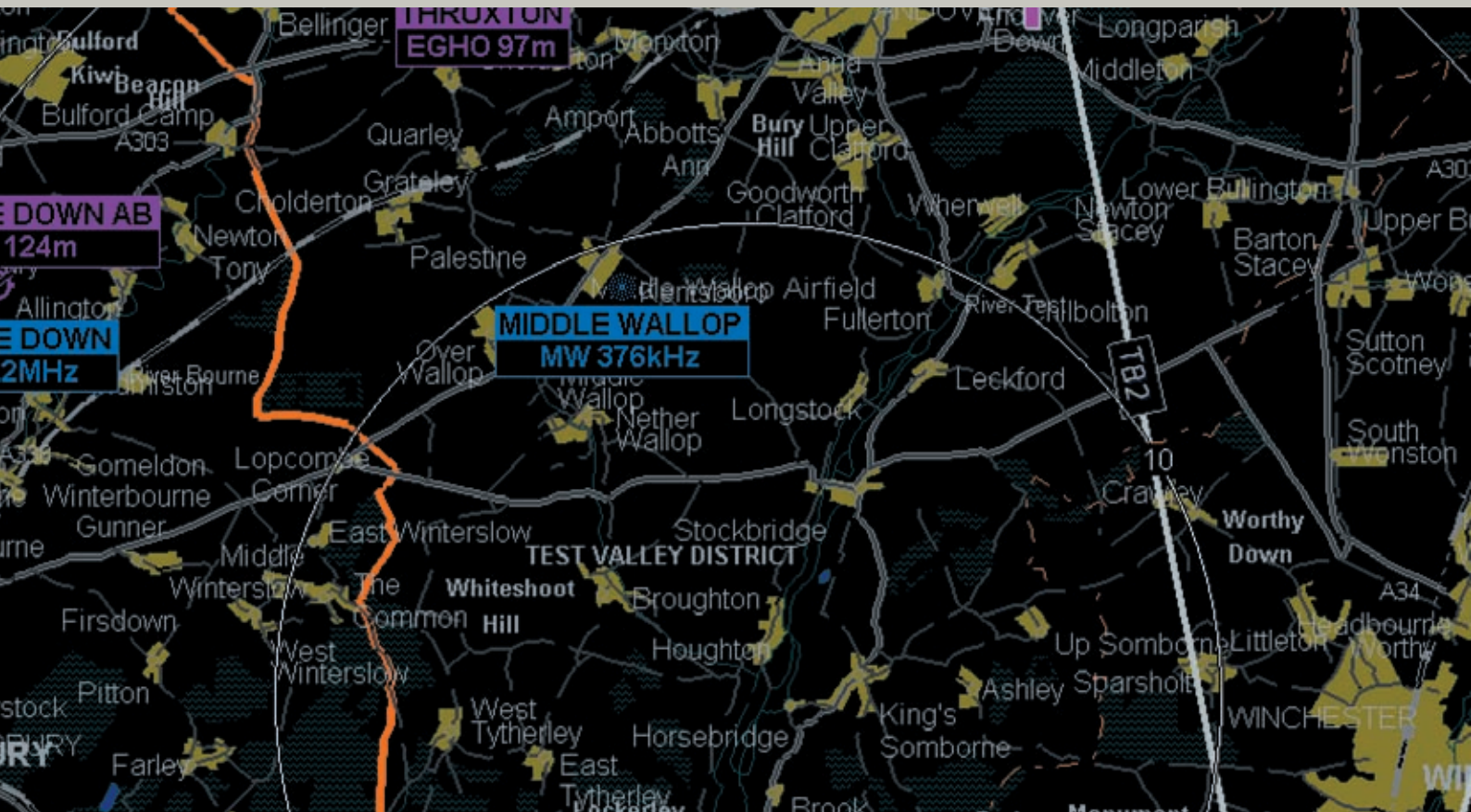


TMG-17



DIGITAL MAP GENERATOR



The TMG-17 digital map generator is designed for storing and forming the image of information which may prove to be of interest for the aircraft crew. This solution represents a new approach to providing crews with information and is an alternative to the EFB (Electronics Flight Bag) system.

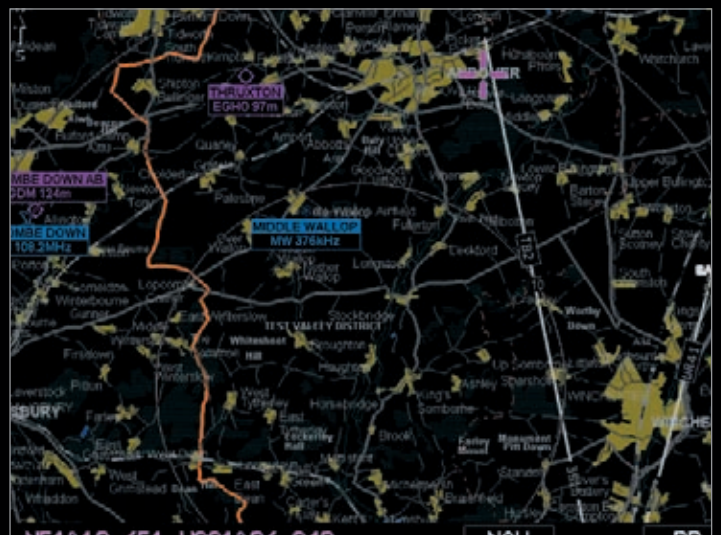
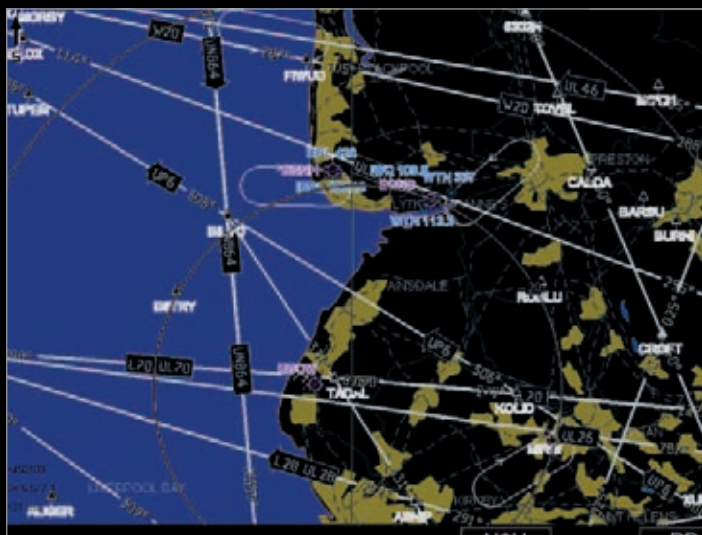
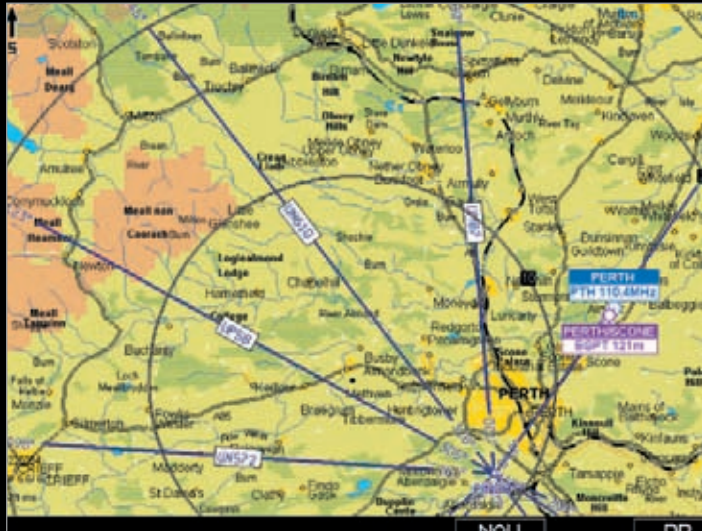
The TMG-17 has own displays but can be connected to any multi-functional display via digital and analog interfaces. Such approach allows the maximum use of equipment already installed on board, as it does not require installation of any additional display.



The TMG-17 stores any information in the text and graphic form. The data organisation is provided with a standard XML structure of links, which allows information to be prepared without use of dedicated facilities. However the main purpose of the TMG-17 is to store and display electronic maps of the area, aeronautical information and information on the terrain in the area. This information is stored in special formats which allow the data integrity to be monitored. The TMG-17 is intended for use on the transport and special purpose aviation (search and rescue, oil industry, police and medical). The fact that the operator can prepare the data him/herself and adapt it to any set of equipment, allows the TMG-17 to be used on airplanes and helicopters.

The TMG-17 has 2 half-sets and is implemented in the form of a standard ARINC-600 2MCU module intended for installation in a mounting frame. In the front part there is a recess for the replaceable ROM (in the Compact Flash format). When installed on board, the TMG-17 can be connected to 1 or 2 multi-functional displays; in this case the information content and chart scale are controlled separately. The cursor control device (TCCD) is used for the control of the TMG-17. Control can also be exercised with the aid of discrete commands.

For the performance of its functions, the TMG-17 can be connected to the GNSS or FMS. When generating an image, the TMG-17 can show the flight route received from the GNSS or FMS system. For the search and rescue operations at sea, the interface with the AIS (Automatic Identification System) is possible. In addition, the TMG-17 can be used for the control of the SAR searchlight and surveillance optical systems.



MAIN TECHNICAL CHARACTERISTICS

ENV. D0-160D B4-D1D1A1BAEB(S-M)(R-B1)XXXXSZBAZZXLLXXXX

Dimensions	61 x 200 x 353 mm
Weight	4.1 kg
Power supply	27 V
Consumption	42 W
Storage temperature	-55° C to +85° C
Operating temperature	-40°C to +65 °C
Humidity	85% for 48 hours
Altitude	up to 15000 m
Forced cooling	not required

INTERFACES

ARINC-429	10 input / 2 output
RS-232C	2
PC	16
Ethernet	2
Video	2
Video PAL/NTSC	2

Compact Flash memory size – up to 12 Gb