

**European Community Declaration of Conformity**  
**Issued in accordance with the**  
**Marine Equipment Directive (MED)**

This to certify that in compliance with Council Directive 96/98/EC of 20 December 1996 on marine equipment, as amended by Commission Directives 2011/75/EU of the European Parliament and of the Council:

**Kelvin Hughes Ltd**  
**Voltage**  
**Mollison Avenue**  
**Enfield, EN3 7XQ**  
**England**

Declares that the products listed in Annex A conform to type as required by the above Directive as evidenced by the Conformity Route below:

EC Type Examination Module B certificate No BAPT-MED0001078 issued by Notified Body TÜV SÜD BAPT (No 0168) expires 31 August 2016.

Plus

EC Module D Certificate of Conformity No MED 1100013 issued by Notified Body Lloyds Register (No 0038)

MED Annex A.1	Item No	4.30
	Item Designation	Electronic Chart Display and Information System (ECDIS) with backup, and Raster Chart Display System (RCDS)

Kelvin Hughes Product Description	MantaDigital 20", 22" or 26" Widescreen ECDIS
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Standards Applicable	Resolution MSC.232(82)
	Resolution MSC.191(79)
	Resolution A694(17)
	IEC 61174:2007
	IEC 60945:2002
	IEC 62288:2008
	IEC 61162-1:2010
	IEC 61162-2:1998

Annex A – Product List

Product Identity	Description
MDD-A1-20	MantaDigital 20" Display Navigation Pedestal
MDD-A1-22	MantaDigital 22" Display Navigation Pedestal
MDD-A1-26	MantaDigital 26" Display Navigation Pedestal
MDD-A1-2-20	MantaDigital 20" Display Navigation Pedestal Basic
MDD-A1-2-22	MantaDigital 22" Display Navigation Pedestal Basic
MDD-A1-2-26	MantaDigital 26" Display Navigation Pedestal Basic
MDD-A30-20	MantaDigital 20" Desktop Display (incorporating MDD-A101)
MDD-A30-22	MantaDigital 22" Desktop Display (incorporating MDD-A101)
MDD-A30-26	MantaDigital 26" Desktop Display (incorporating MDD-A101)
MDP-A20-20	MantaDigital 20" Console Display
MDP-A20-22	MantaDigital 22" Console Display
MDP-A20-26	MantaDigital 26" Console Display
MDP-A1	MantaDigital Navigation Processor
MDP-A1-2	MantaDigital Navigation Processor Basic
ZM-2007	Manta Display firmware
ZM-2008	Manta Systems Interface firmware
ZM-2144	MantaDigital core software
ZM-2160	Transmitter Interface FPGA
FSD-A10	Dual DNC Unit
FSD-A13	Network Audio & Video Control Unit
FSD-A198	Serial Interface Module
MDD-A100	MantaDigital Trackerball & Pencil Tray
MDD-A101	MantaDigital Trackerball & Keyboard
MDD-A110	MantaDigital Trackerball
MDD-A130	MantaDigital Trackerball & Remote Keyboard
NNR-A18	Ergonomic Trackerball (Ergopod right handed)
NNR-A18-2	Ergonomic Trackerball (Ergopod left handed)

Issued for and on behalf of Kelvin Hughes Ltd.

Signed:  on 07-11-2012

N. Richards  
Quality Manager