

LITTON MARINE SYSTEMS UK
Service Bulletin No. 21

Product: BridgeMaster E Series Radars

Subject: “VISION” Option

Marketing Information Bulletin No. 31 details all relevant marketing/sales information. This document is a Technical supplement to it.

General

The “Vision” system is a Factory Fitted Option. The following are differences with a Standard (non-Vision) system.

- Radar Processor PCB is type **65800812**
- Software is Version **C4.06** or above
- The Transceiver is the ‘**non W**’ type i.e. It *must* be fitted with a biased limiter. For Masthead versions types **658**M**** and for Bulkhead versions **658**A** are ‘Vision’ compatible. For reference see Marketing Bulletin No. 24.

IMPORTANT: VISION is a Factory Fitted Option only. There is NO field upgrade kit available.

Commissioning

The following are additions to the Initialisation pages.

In the Initialisation screen, System Configuration menu:

Check the Vision Memory is set to ‘Standard’ (extended option is not currently required).

In the Transceiver Settings menu:

Select one of 4 pre-defined values for the **total** Video Cable Length (Tx to DU via ISW if fitted):

0 to 10 m	11 to 40 m	41 to 70 m	>70 m
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Select one of 8 beam widths for the Antenna Beam Width:

0.5°	1.0°	1.3°	1.6°	2.0°	2.4°	2.8°	3.3°
	8’X	6’X		4’Xor12’S		9’S	

With Interswitched Systems, carry out the above at **each** Display for **every** Transceiver available for that Display.

Operation

- On a Master Display, the MAN/AUTO soft key is now replaced by MAN/VISION. Left click to toggle between Manual or Vision mode. Right click to select MAN, VISION or AUTO
- On a Slave Display, VISION is only available if the Master Display has selected VISION. If VISION is not available, only MAN and AUTO modes are provided.
- A VISION Display **MUST** always be operated with a compatible Transceiver. Failure to do so will cause the VISION feature not to function correctly.