

**SPERRY MARINE UK**  
Service Bulletin No. 43 (Release 6)

**Product: Decca BridgeMaster E Series Radars**

**Subject: Versions 4.xx and 5.xx series software**

The current level of commercial version 4.xx series of software is C4.09. The additional functions/features offered in this version over version V3.xx series software are:

- 60 Target Tracking (was 40)
- Internal Routes<sup>1</sup>
- Transfer of Routes from external device
- Alarm interface to Central Alarm Systems
- Correct screen resolution for 23" FPDs.
- Time To Go to Cursor (only with valid Nav Speed)
- Target Track Repair
- Ability to extract 'Time' from the 'GLL' message
- Some commissioning changes (see SB25 and SB29)
- Re-calibration of Magnetron Current readings (see SB29)
- Japanese Text

In February 2003 commercial software version C5.00 was released. The additional functions/features offered in this version over version 4.xx series software are:

- AIS interface facility<sup>2</sup>
- Reciprocal Bearing of EBL for Static Site
- Antenna offsets maximum for Static Site increased to 9999m
- Enhanced short range Tracker
- Accept VBW message from Nav sensor
- Default index line to own ship's heading

In August 2003 software version C5.01 was released. Key features are:

- Save Index Lines to Memory Card
- Enhanced Vector drawing in Trial Manoeuvre and display trial CPA/TCPA
- Allows operator to set the ROT
- The settings of the EBL and VRM are stored when going to Standby and restored when returning to Transmit
- If the EEPROM reset occurs (Service Bulletin No.15 refers) the message "WARNING – RADAR REQUIRES RE-COMMISSIONING" is displayed inside the video circle. Also the HM Offset value defaults to 350 (previously 000)
- In Standby mode the message "Before using this radar, please read the manual" is displayed inside the video circle

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In April 2004 software version C5.02 was released. Key features are:

- The tracking algorithms have been enhanced to further improve target acquisition and tracking at short range
- Reporting of the GPS Quality Alarm has been revised
- Up to 3000 PPNM available with Pulse Log

*For full features update see Marketing Information Bulletin No. 56*

In June 2004 software version C5.03 was released. Key features are:

- Revised AIS operation when illegal MMSI is received
- CPA/TCPA and Bow Crossing default limits changed
- AIS feature now standard. AIS Dongle no longer required

In December 2004 software version C5.06 was released. Key features are:

- Support for 3.3V flash parts
- Sleeping AIS targets now not shown in the Multi Target Tote

In June 2005 software version C5.07 was released. Key features are:

- Revised 'power up text'
- Japanese text now available with Flat Panel Displays
- Improved Japanese text size
- Improved test patterns for Flat Panel Displays
- Improved clutter processing<sup>3</sup>
- Improved handling of serial data

Notes:

1. ARPA models only. Ability to create internal routes and execute sail plans independent of the GPS.
2. AIS interface facility. There is a minimum baseline specification and additional hardware (SIU) will be required. Factory Fitted Option or Field Upgrade Kit available. For more information see Marketing Information Bulletin No. 41.
3. Only effective with Radar Processor PCB type 65800814 issue 10 or higher.