

WARNINGS AND CAUTIONS

WARNING: LETHAL VOLTAGE HAZARD

When access covers are removed, lethal voltages may be exposed. Some capacitors used in the equipment take several minutes to discharge their stored voltages after switch OFF; this is a lethal voltage hazard. Always set the supply switch-fuse to OFF before removing the access covers of the equipment.

WARNING: HEALTH HAZARD

When cleaning the inside of the equipment, take care not to inhale dust. The dust is a temporary health hazard, depending on individual allergies.

CAUTION: ELECTROSTATIC SENSITIVE DEVICES (ESSDs)

This equipment contains ESSDs. Take care not to damage these devices by the discharge of electrostatic voltages.

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Revision Record

Suff	Rev	Issue Date	Change Note	Incorporated By
1	A			
1	B	17/09/04	CN65857/010	LJE

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RELATED DOCUMENTS

- BridgeMaster E Ship's Manual Publication Ref 65800010B
- BridgeMaster E Technical Manual..... Publication Ref 65800011
- BridgeMaster E Ancillaries Units Manual..... Publication Ref 65800012

PREFACE

THIS MANUAL

This manual is intended for use by the Operator and the Installation/Service Engineer. It is intended to be used as a supplement to the manuals listed under Related Documents.

The manual is divided into chapters as follows:

Chapter 1 – General Description and Technical Specification. This chapter includes an overview of the system, a description of units, and the Technical Specification.

Chapter 2 – Installation, and Customising. This chapter includes installation details, default settings, and commissioning information.

Chapter 3 – Operation. This chapter describes the operating modes of the equipment.

Chapter 4 – Fault Reporting and First Line Servicing. This chapter outlines servicing policy, contact details, and replacing major modules.

Chapter 5 – Routine Maintenance. This chapter gives procedures for routine maintenance.

Chapter 6 – Spares Listings.

Appendix A – Customising Record. When completed these sheets provide a record of customisation settings.

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GLOSSARY OF TERMS

Scanner Unit	Comprises the Antenna and Turning Unit.
Bulkhead Transceiver	Transmitter/Receiver mounted below decks with microwave connection to the Turning Unit.
Display Unit	Monitor and Radar Processing Unit including controls.
Scanner Control Unit	A unit which switches the power to the Scanner Unit under control of the Display Unit.
Interswitch Unit	Enables two or more radar systems to be connected together so that any Display Unit may be connected to any Scanner unit.
Transceiver Compatibility Unit	Enables BridgeMaster E Display units to be interfaced to BridgeMaster II Scanner Units.
Display Compatibility Unit	Enables BridgeMaster E Scanner Units to be interfaced to BridgeMaster II Display Units.
Radar Slave Interface Unit.....	Enables BridgeMaster E Display Units to be interfaced as slaves to third party Scanner Units

Listed abbreviations and acronyms.

A	..... Ampere	RFI	.... Radio Frequency Interference
AC	..... Alternating Current	NNF	.... Not Normally Fitted
ARPA	..... Automatic Radar Plotting Aid	rpm	.... Revolutions per minute
CRT	..... Cathode Ray Tube	SART	.... Search And Rescue Transponder
dB	..... decibel	TX/RX	... Transmitter/Receiver (Transceiver)
DC	..... Direct Current	UTC	.... Coordinated Universal Time
ft	..... feet	V	.... Volt
GPS	..... Global Positioning System		
GMT	..... Greenwich Mean Time		
Hz	..... Hertz (unit of Frequency)		
I/O	..... Input/Output		
LCD	..... Liquid Crystal Display		
LED	..... Light Emitting Diode		
LNFE	..... Low Noise Front End		
nm.	..... Nautical Mile		
NMEA	..... National Marine Electronic Association		
PCB	..... Printed Circuit Board		
PPI Plan Position Indicator		
PSU Power Supply Unit		

SOFTWARE LICENCE AGREEMENT

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-----IMPORTANT-----

READ THE LICENCE TERMS PRINTED BELOW BEFORE USING THE EQUIPMENT. USE OF THE EQUIPMENT INDICATES YOUR ACCEPTANCE OF THE TERMS OF THE LICENCE AGREEMENT.

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