CHAPTER 1 OVERVIEW

1.1 Introduction

The RA51/52/53/54/55 is compact marine radar that delivers a peak antenna power output of either 4 kW (RA51/52), 6 kW (RA53), 12 kW (RA54) or 25 kW (RA55) and has a 15-inch color 640 x 480 liquid crystal display. It uses a microcomputer and a video signal processing LSI chip specifically designed for radars to deliver high performance and a wide range of features.

Features

1. The LCD allows for a thin case, permitting installation in tight quarters.
2. Minimal keys and menu screens mean you can easily learn to use the radar.
3. On screen soft key functions are user assignable.
4. Continuously variable adjustments are done with a rotary knob.
4. The dual range mode allows you to see short and long-range echoes simultaneously.
5. The Semi-3D display allows for easy identification of targets in noise.
6. A variable range function allows for smooth range changes, not in steps.
7. Waterproof construction (IPX-5) of the display allows installation on open boats.

1.2 Organization of This Manual

This manual provides information for both the novice and experienced user to install, operate and maintain the RA51/52/53/54/55 radar. Please read it thoroughly so you can take full advantage of its advanced functions. If you are using radar for the first time, begin with the background information on how radar works in CHAPTER 2.

USING RADAR FOR THE FIRST TIME	.....	CHAPTER 2
INSTALLATION	.....	CHAPTER 3
FUNCTIONS AND NAMES	.....	CHAPTER 4
OPERATION	.....	CHAPTER 5
INSPECTION AND MAINTENANCE	.....	CHAPTER 6
TROUBLESHOOTING	.....	CHAPTER 7
PRODUCT SPECIFICATIONS	.....	CHAPTER 8