



EXHIBIT 4

SHINE MICRO

RADARPLUS SL161R

HIGH-SENSITIVITY, LOW COST

AIS RECEIVER



RECEIVER FEATURES

The **RadarPlus SL161R** dual AIS Receiver provides:

- o High-sensitivity AIS data reception
- o Affordable low price
- o Hears Class A & B vessel reports
- o Sends the information to be mapped on a PC or chart-plotter
- o Very low power consumption

DESCRIPTION

RadarPlus SL161R is an easy to install, stand alone marine receiver that monitors the channels assigned to the **Automatic Identification System**, or **AIS**.

AIS reports:

- o VESSEL'S NAME – UP TO 20 CHARACTERS
- o SIZE – DIMENSIONS AND DRAUGHT OF THE SHIP
- o POSITION – PROVIDED BY DIFFERENTIAL GPS
- o COURSE – RELATIVE TO TRUE NORTH TO 1/10TH DEGREE
- o CARGO – TABLE OF POSSIBILITIES AVAILABLE
- o AND MORE

With the addition of the embedded 12 channel GPS receiver and the optional **Enhanced Signal Analysis** software, supplemental diagnostic functions become available such as:

- o SLOT NUMBERING
- o PACKET TIME OF ARRIVAL
- o PARTIAL PACKET RECEPTION
- o VDL LOADING
- o RECEIVED SIGNAL STRENGTH INDICATION
- o AMBIENT NOISE MEASUREMENT

The **SL161R** includes dual AIS receivers in a rugged water resistant aluminum enclosure. When attached to a VHF antenna optimized at 162Mhz, the **RadarPlus** serial data output will drive most popular marine charting software packages available today. The output provides the location of all AIS transponders within receiving range. Other interface options, such as USB, Ethernet, and RS-422 are available to increase the overall flexibility of the **SL161R**.

Information gathered by the **RadarPlus** is more detailed than radar and provides the everyday boater with the same information afforded to commercial vessels. Now you can see what's coming on your PC or chart-plotter long before it is in your line of sight.

