



# DARS Underwater Recovery System



- ◆ **Rugged and Reliable**
- ◆ **Easy to Use**
- ◆ **Ensures Quick Recovery**
- ◆ **Ideal in Poor Visibility**

The **Diver/Asset Recovery System (DARS)** allows Public Safety Divers (PSD) to easily relocate subsea assets and other divers during search and recovery missions in the poorest conditions. When you look at the investment the team makes in equipment and, more importantly personnel, the DARS system acts as cost effective insurance and significantly improves the safety of all diver operations.

The DARS system consists of an underwater pinger receiver and an acoustic pinger(s) which can be attached to the diver or asset, like a ROV or side-scan sonar, during search operations. The pinger is water-activated and sends an acoustic signal through the water that can be tracked and quickly located by a diver held pinger receiver. Each pinger has a unique frequency (signature) that allows the diver or asset to have an acoustic ID during the operation to assist in a quick recovery. The pinger is battery operated and uses an off-the-shelf 9 volt battery providing 30 days or more of operational life.

To track and locate these pingers quickly the DARS system includes a state-of-the-art directional pinger receiver (**DPR-275**) that is diver operated and easy to use. Using both audio and visual indication, a standby-diver can locate a diver or asset with a

pinger attached within minutes in the poorest diving conditions with very little training. The pinger receiver is battery operated and designed to be used by divers with a rugged and reliable design which requires little maintenance.

The DARS system comes in two different configurations, both of which include the DPR-275 diver operated pinger receiver with underwater headset and battery charger. Included with the **DARS-3** are three **ULB-350** underwater location pingers with three different frequencies, 27, 37, 45kHz. For expanded operations or training, the **DARS-7** consists of the DPR-275 diver operated pinger receiver and seven **ULB-364** underwater pingers. The ULB-364 allows the operator to customize the pinger with nine different frequencies between 27 and 45kHz to provide optimum flexibility. The equipment is supplied in a rugged weatherproof shipping case for easy deployment. Used by the U.S. Navy to protect their assets, you can count on the reliability of the equipment when you need it the most.

Both the DARS-3 and DARS-7 recovery systems provide a public safety dive team with a cost effective means of protecting their most important assets, the PSD. *Contact us today for a quote.*



## RJE International, Inc.

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# DARS Underwater Recovery System



**DARS-3 Underwater Recovery Kit:** Includes DPR-275 Diver Pinger Receiver, Underwater Headset, Battery Charger, Three ULB-350 Underwater Location Pingers

## DPR-275 Diver Pinger Receiver



### **SPECIFICATIONS**

**Frequency Range:** 5 to 80kHz  
**Bandwidth:** 1kHz  
**Sensitivity:** 80db  
**LCD Display:** Frequency/Low Battery  
**LED Display:** Signal Strength Meter  
**Power Source:** Rechargeable Battery  
**Battery Life:** 8 Hours  
**Operating Depth:** 660ft  
**Weight in Air:** 4.5lbs  
**Weight in Water:** 12oz  
**Housing Material:** Corrosion Resist Delrin  
**Housing Dimensions:** 10.0" (L) x 4" (Dia)

## ULB-350 Underwater Location Pinger



### **SPECIFICATIONS**

**Operating Frequency:** 27, 37, and 45kHz  
**Acoustic Range:** 1500 to 2000m  
**Activation:** Water Switch  
**Power Source:** 9 V Alkaline or Lithium Battery  
**Operating Life:** 30 Days to 60 Days  
**Operating Depth:** 4000ft  
**Weight:** 8.5oz  
**Housing Material:** HDPE  
**Dimensions:** 4.50" (L) x 2.0" (Dia)

## ULB-364 Underwater Pinger



### **SPECIFICATIONS**

**Operating Frequency:** 27 thru 45kHz (User Adjustable)  
**Acoustic Range:** Up to 2000m  
**Activation:** Water Switch  
**Power Source:** 9 V Alkaline or Lithium Battery  
**Operating Life:** 30 Days to 180 Days  
**Operating Depth:** 3000ft  
**Weight:** 1.8lbs  
**Housing Material:** Aluminum  
**Dimensions:** 8.0" (L) x 2.25" (Dia)



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