

## Serving One of the World's Most Powerful Fireboats

When it comes to the safety and security of the busiest port in the United States, Hetronic is proud to provide the radio remote control system used aboard one of the most powerful fireboats in the world—Los Angeles Fire Department (LAFD) Fireboat 2!

The Hetronic radio remote control (RRC) system for the 105-foot (32-meter) vessel was officially deployed on April 12, 2003. It includes 2 GL transmitters and 1 modular receiver—mounted to the base of the lifting boom/ladder. The system was designed with the express purpose of controlling its primary, extendable, lifting boom/ladder.

Fully-extended at 65 feet (20 m), the lifting boom/ladder is used for a wide variety of maneuvers including the following: controlling the personnel basket used for water and cliff rescues, raising and lowering the skiff, de-watering sinking boats, inspecting watercraft and performing other related operations, up to 3 miles (4.8 km) out to sea.

Using the Hetronic GL transmitter, crew members can precisely control the lifting boom/ladder from virtually any angle and “on the spot” with confidence. No hand signals or 2-way radios required.

So when firefighter Mark Clark reported a no receiver “power up,” condition, Hetronic representatives Bob Youngfelt and Michael Deere responded immediately, forwarding schematics while enroute.

They discovered that the receiver was not “powering up” because there were faulty power and ground termination points located in a junction box upstream of the receiver. Shortly thereafter, the system was placed back in service, thanks in part to the help of Fireboat 2 pilot Ralph Enderle and firefighters Eugene Bourgeault, Dan Schultz and Sergio Perez.

Equipped with advanced marine firefighting technology and medical treatment areas, LAFD Fireboat 2 is powered by two 12-cylinder, 1800 hp engines and two 8-cylinder, 1300 hp engines. Its state-of-the-art propulsion allows for incredible maneuverability for a vessel its size.



Touted as the “World’s Most Powerful Fireboat” in 2003 (BusinessWire.com), LAFD Fireboat 2 serves the Port of Los Angeles.



Multiple water cannons aboard LAFD Fireboat 2 can deliver a stream of water over 400 feet (120 m) at a rate of 38,000 gpm (143,830 liters/min).

### Training Demystifies Hetronic Radio Remote Controls

To best serve the LAFD Fireboat 2 crew, Hetronic representative Bob Youngfelt recently provided an informational training session for their Hetronic dual transmitter RRC system.

Topics included:

- Start up procedures
- LED power, reception and function indicators
- Internal transmitter and receiver components
- Battery charging, longevity and maintenance
- Hydraulic valve operation (initial and final output values)
- Reliable receiver wire terminations (internal and external)
- STOP function overview
- Frequency and channel selection



Hetronic representative Bob Youngfelt discusses receiver components in a training session onboard Fireboat 2.

