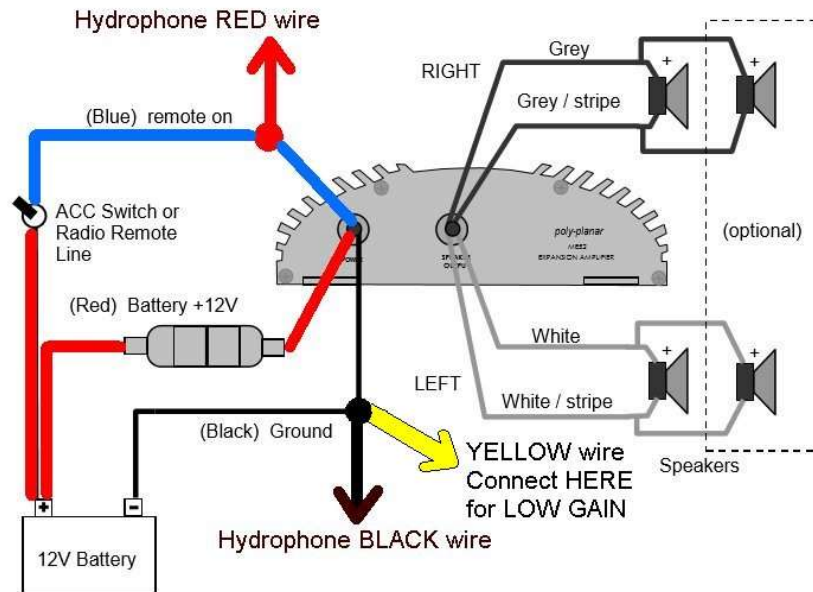


Some vessels power the stereo system from the main breaker panel, and do not use the "BLUE" wire as shown above. In this case the Hydrophone RED wire should connect with the RED wire at the stereo amplifier.

The YELLOW wire from the hydrophone is the GAIN control. If connected to +12V the Hydrophone will be in HIGH GAIN MODE including full Automatic Gain Control (AGC). Some whalewatching companies keep this connection permanent as not many other vessels (creating underwater noise) will be in the listening area, only whales.



Power and Low Gain Control Connections

For LOW GAIN mode with no AGC, connect the YELLOW gain control wire to the GROUND Connection (Battery Negative) as shown above.

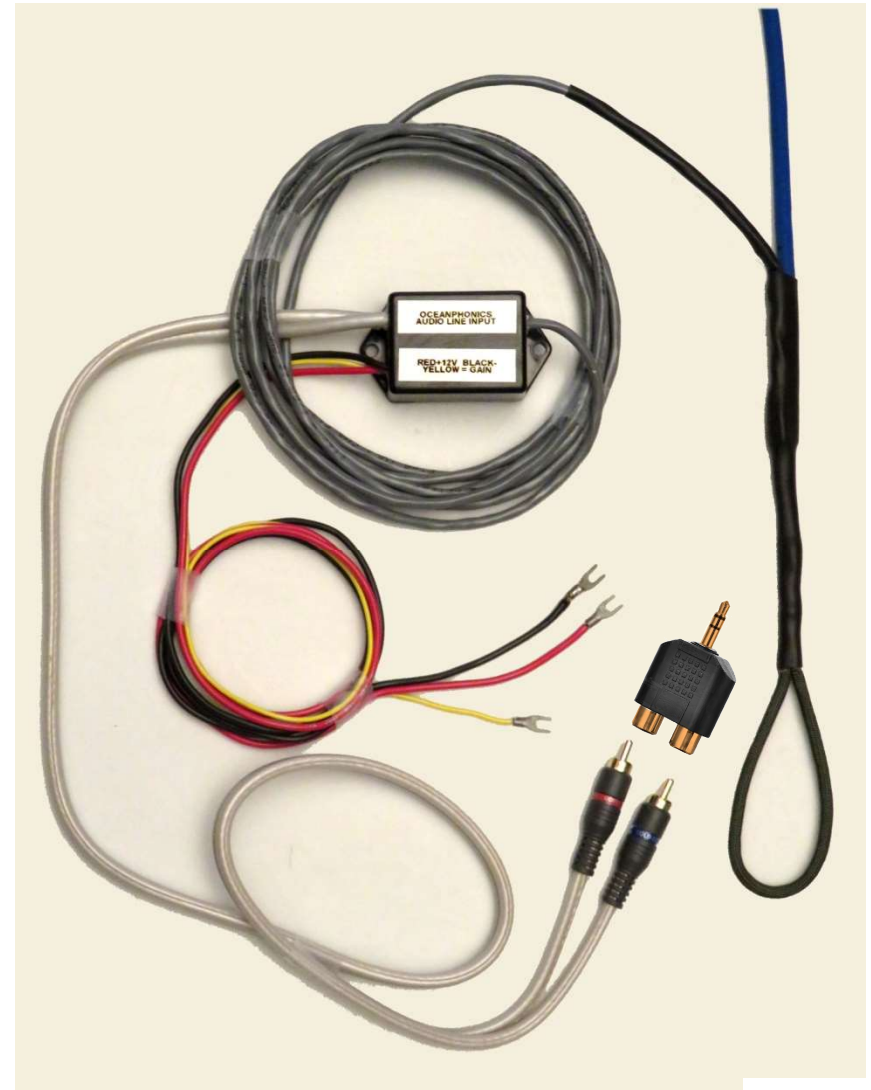
The connections illustrated are typical of all wiring to a ship-board audio system.

Some ship owners opt to put a switch (DPST) at the control console. This allows the skipper to switch from LOW to HIGH GAIN modes. In this case the switch will connect the YELLOW wire (switch common) to the BLACK or RED hydrophone wire.

For safety the RED and YELLOW wires from the Hydrophone have resettable fuses inside the block that these wires come from. In the case that the Hydrophone Cable is cut or damaged, these fuses will open, but when the damage is repaired, the fuses will automatically reset.

Connection Detail

- Connection to vessel 12 Volt Power Source
- Audio connection to stereo equipment with supplied RCA plugs. This line-level audio feed is isolated to prevent shipboard noise.



Audio Installation

The Oceanphonics Hydrophone easily connects to the AUX INPUT of your existing CD/FM/AM/AUX Stereo System. If purchasing a new system of this type, make sure it has an AUX INPUT with RCA jacks at the rear of the unit. Alternately an adapter may be plugged in (supplied) to convert from the RCA plugs to a 3.5 mM plug. This will connect to an MP3 player input on a stereo system or audio recorder.



Example

For new installations in a small craft such as a Zodiac, the least expensive way to provide audio on your vessel is by purchasing a low cost marine amplifier and loudspeaker system.

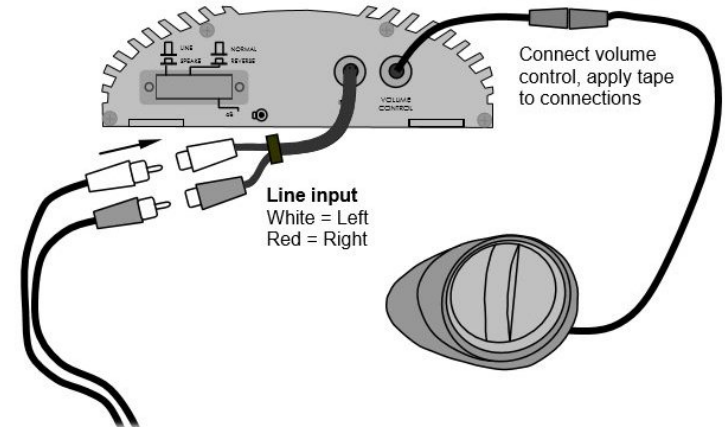
Your local marine supplier will be able to provide you with an audio amplifier for marine use as suggested below:



**Poly-Planar MP3-KIT-AW 100 Watt Amp iPod/MP3 Adapter
White Waterproof Speakers.**

The installation is permanent in your vessel and requires a 12 volt supply, some panel cutting for the loudspeakers, and wiring. The Oceanphonics RCA plugs connect to the amplifier as shown here:

Input connections with Volume control:



RCA Plugs from Oceanphonics Hydrophone

The RED and BLACK wires from the Oceanphonics Hydrophone connect to the amplifier as shown here, with High Gain Mode connection of the YELLOW wire:

