

# Acoustic Modem For A Hobby AUV

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-07/msg01185.html>

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  - *Date:* Thu, 06 Jul 2006 18:02:07 GMT
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Hi,

I'm building an AUV for hobby use, however I'm having trouble whe it comes to communications. So far I've considered sending DTMF tones through 2, 2 way radios, and encoding sets of numbers on R/C equipment but neither will travel/penetrate far enough (<3m).

It needs to be a duplex system capable of transmitting 32 on/off comands and 8 values (0-255) through about 100m of water.

So far I've found lots acoutic modems except they are more for industrial use and so are rather high-spec compared to what I need.

So, can you guys suggest where to start (happy to learn any new skills I have to) or if you can think of a better method I'm open to ideas,

Regards,

Michael

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