

# Update

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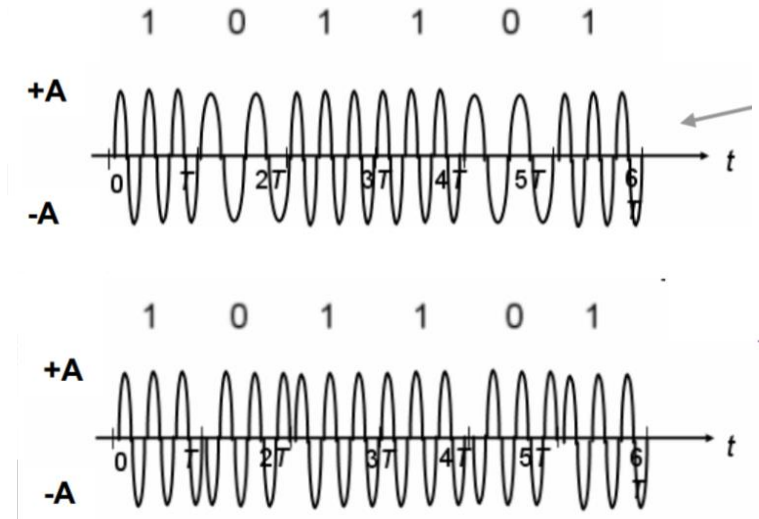
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# Acoustic Positioning

- Woods Hole Oceanographic Institution Micromodem
  - Mentioned in many papers
  - Looked into to gain understanding of system
- One way acoustic system
  - Less information on implantation
  - Look further into

# Micromodem Configurations

- General configuration
  - Digital signal processor board
  - Power Amplifier
  - Coprocessor
  - Optional Multi-Channel Analog Interface
- FSK and PSK Signals
  - Frequency shift keying
  - Phase shift keying
- 4 element array
  - Out preforms single channel system
  - Also requires Multi-Channel Analog Interface
- Interrogation frequency



# IMU

- SparkFun 9 degrees of freedom breakout
  - 3 axis gyroscope
  - 3 axis accelerometer
  - 3 axis digital compass
- Continue to look at other products

