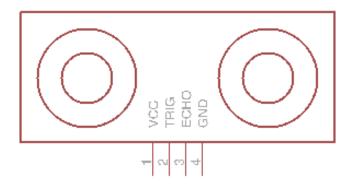
Basic ultrasonic ranger use on an Arduino



Ultrasonic ranger wires:

VCC: +5V

trigger and echo are data pins which connect with the pins as described in the sketch

GND: ground

The ultrasonic ranger, like most small simple digital devices that are Arduino inputs, does not use much current and so it's fine to run off of the Arduino's 5V supply.

Sample Arduino sketch to read distance

Use the Arduino IDE's built-in Library Manager to add the NewPing library: Sketch->Include Library->Manage Libraries-> and search for "NewPing." Once it's installed, go to File->Examples->NewPing->NewPingExample to load the below example sketch. (Note: I've lightly modified the comments for clarity and brevity.)