Are you bored in traffic jams? Build your own traffic jam assistant for few dollars. TRAFFIGO (TRAFFIc GO) makes sound indication if you are approaching to a car in front of you (like parking sensor) and in additional makes different sound if the car in front of you is moving away.  
With TRAFFIGO you will never miss time to go again and traffic will go more smoothly without unnecessary spaces and delays.

What do you need:  
Arduino Nano  
Ultrasonic distance waterproof sensor SR04 <https://www.ebay.com/sch/i.html?_from=R40&_trksid=m570.l1313&_nkw=waterproof+sr04&_sacat=0>  
Piezo element buzzer <https://www.ebay.com/sch/i.html?_from=R40&_trksid=m570.l1313&_nkw=piezo+element+buzzer&_sacat=0&LH_TitleDesc=0&_osacat=0&_odkw=piezo+element>  
Dupont wires female-female <https://www.ebay.com/sch/i.html?_from=R40&_trksid=m570.l1313&_nkw=dupont+arduino+female+female&_sacat=0&LH_TitleDesc=0&_osacat=0&_odkw=dupont+arduino>

How does it work:

Distance sensor is mounted in front bumper of your car and connected by wire to box with Arduino and buzzer in cabin. Arduino continuously measure distance, if distance is bellow limit (1m) sound indication is started with pause between beep corresponding to distance (higher distance = longer pause). As you are approaching car in front of you beeps are faster until you stop car.

If you’re your car and car in front of you are stopped and distance is not changing, TRAFFICO stops indication and is quiet.

When car in front of starts moving away TRAFFICO starts beeping again with different sound and you are announced to continue drive. When front car is away sounds stops again and nothing disturb you.

TRAFFIGO is powered from 12VDC car board voltage, e.g. from cigarette lighter socket.

Source code is available ​on Github <https://github.com/bcsedlon/traffigo>