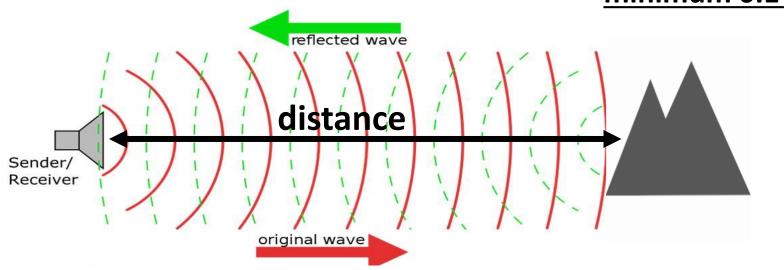
## What is the minimal distance to an object that guarantees a clear echo?

- Let's consider <u>AIR</u>: sound travels at 343 m/s in air
- Time delay between the original sound and reflected one: minimum 0.1 s



**DISTANCE** • 2 = SPEED • TIME = 343•0.1 = 34.3 m

Distance to an object must be more than 17.2 m (34.3 m back and forth) to produce a clear echo!