

# Digital

# Analog

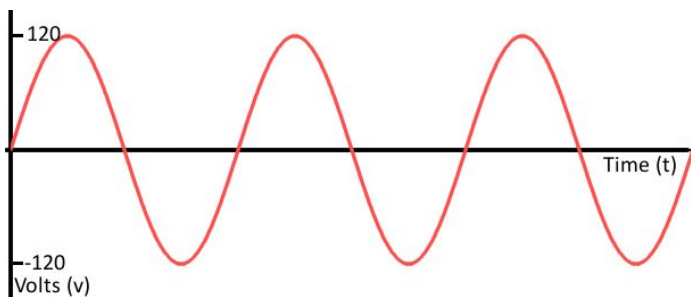
Signals are composed of infinite possible values.

Signals are composed of only two possible values: 0 or 1.

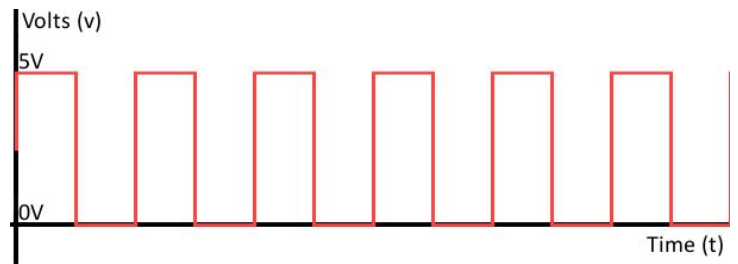
Sound signals can vary smoothly in volume and pitch.

The signal leaps from one value to another.

Waves are smooth and continuous.



Waves have a step-like appearance.



Signals are susceptible to "noise" and distortion.

Signals maintain their integrity during transmission.

Full or “warm”  
sound quality.

Shallow or “cold”  
sound quality.

Has a limited  
capacity to store  
and transmit  
information (data).

Can be used  
to store and transmit  
large amounts of  
information (data).

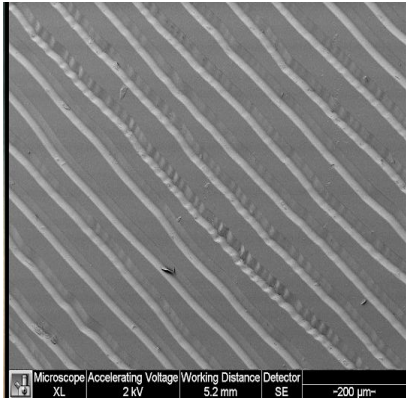
Examples:

Photocopier  
Landline Telephone  
Cassette Tape

Examples:

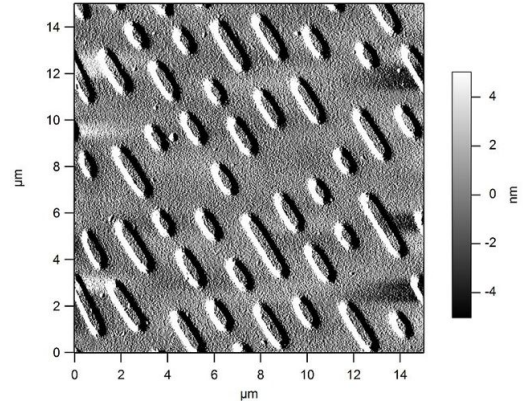
Smart Phone  
Video Game Consoles  
Computers

# Electron microscope image of the surface of a vinyl record



[Wikimedia](#)

# Electron microscope image of the surface of a CD



[Wikimedia](#)