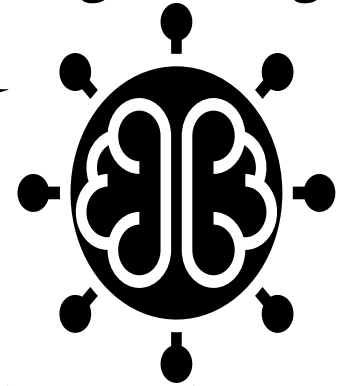




measuring

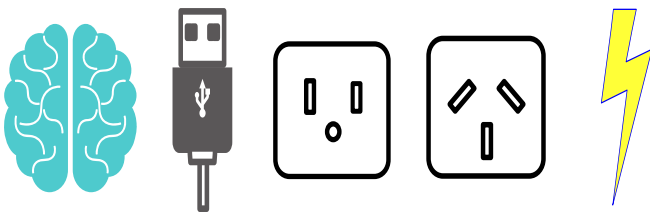
ELECTRIC WAVES IN THE BRAIN



AMPLITUDE (SIZE)

measured in volts (V),
quantifies the magnitude
of electric potential difference.

100uV 3.3V 110V_{AC} 220V_{AC} 300MV



FREQUENCY (SPEED)

measured in Hertz (Hz),
quantifies how many times a wave
repeats in one second.

0-30Hz 311Hz 1KHz 1.2GHz 2.4GHz



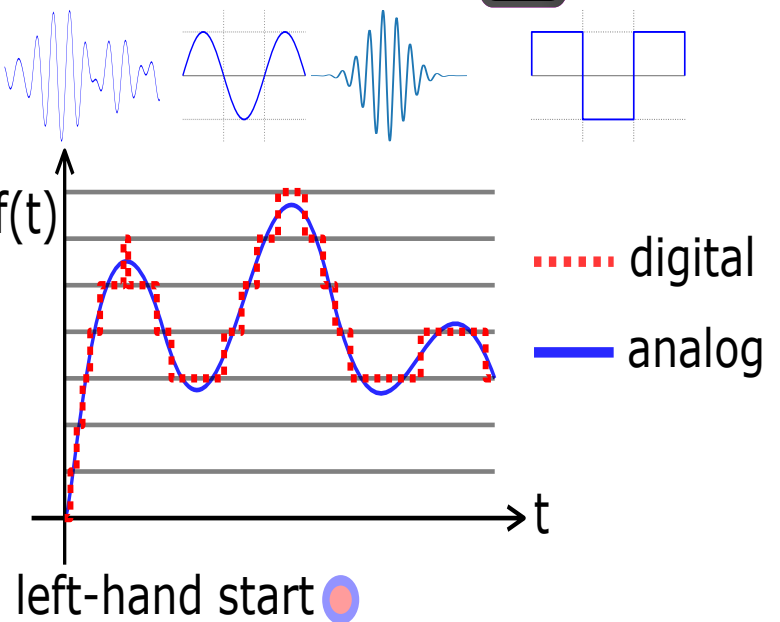
**What's the device that
makes the waves bigger?**

a _ p _ _ _ _ r

**How do ECE students measure
waves in the lab?**

o _ _ _ _ _ o _ e

right-hand start



left-hand start

my frequency

=
