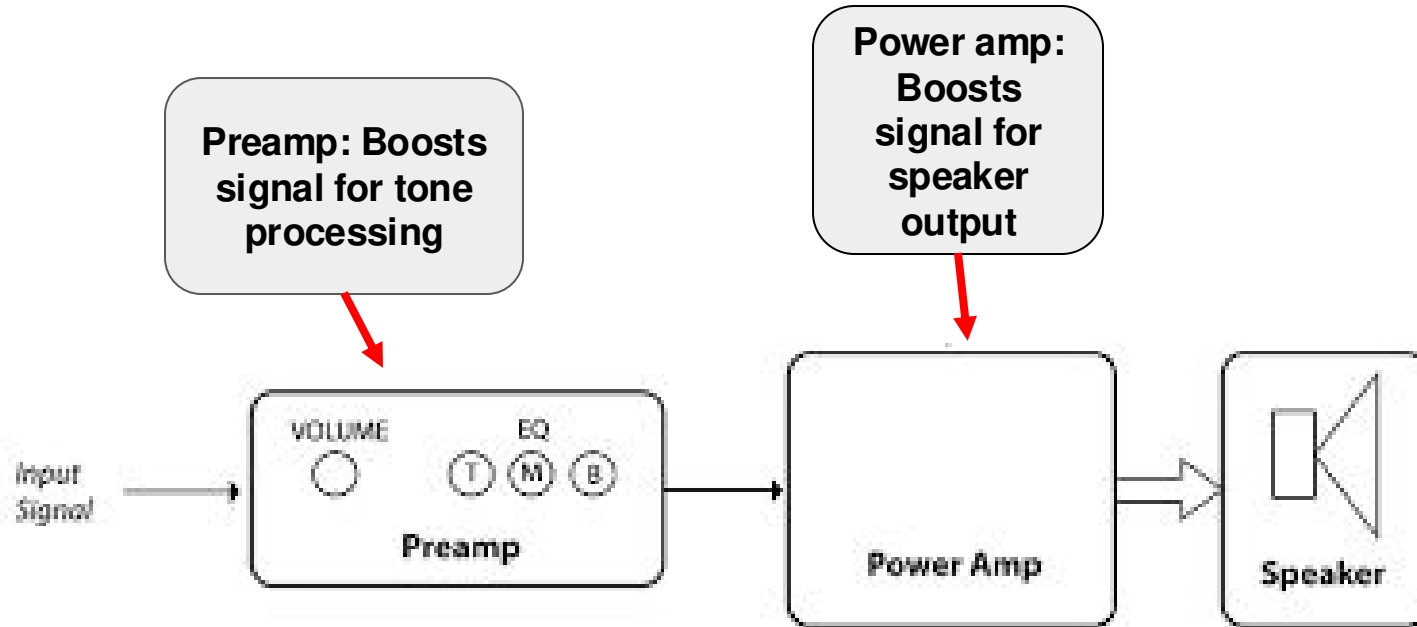


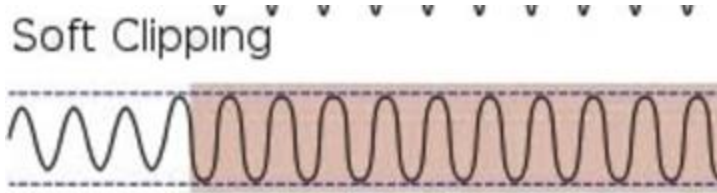
How To Use A Guitar Amp



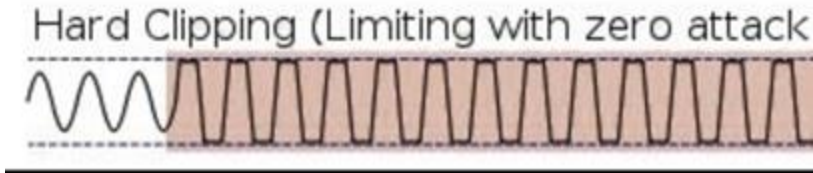
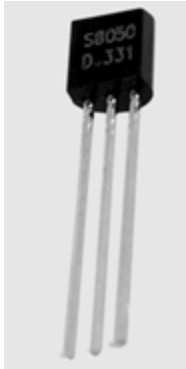
What Does An Amplifier Do?



Tube vs Solid State



Tube amps create a **softer clipping** effect known as “overdrive” and are more responsive to playing dynamics.



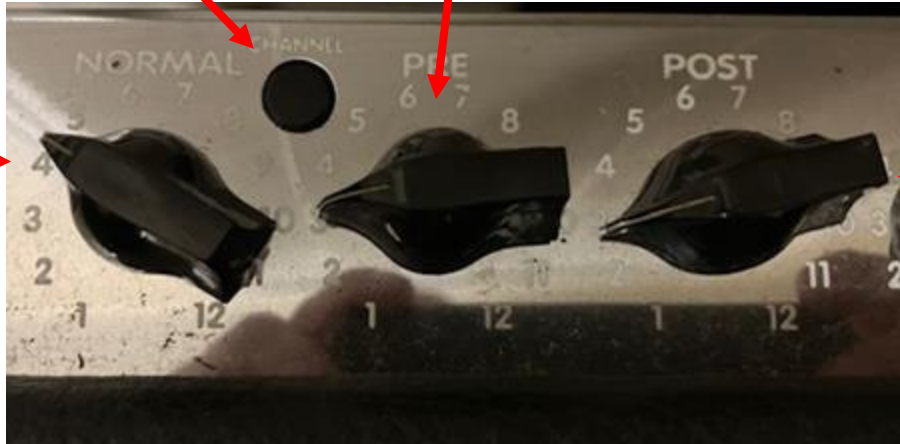
Solid-state amps create a **hard clipping** effect known as “distortion”.

Clean vs. Lead Channel Controls

“Channel”
button:
Switches to
lead channel

“Pre”: Sets
overdrive
on the
lead
channel.

“Normal”:
Sets the
volume on
the **clean**
channel



“Post”:
Sets
volume on
the **lead**
channel.

Reverb Control

Reverb produces an echoing effect that mimics the sound of sound waves reflecting off of surfaces.

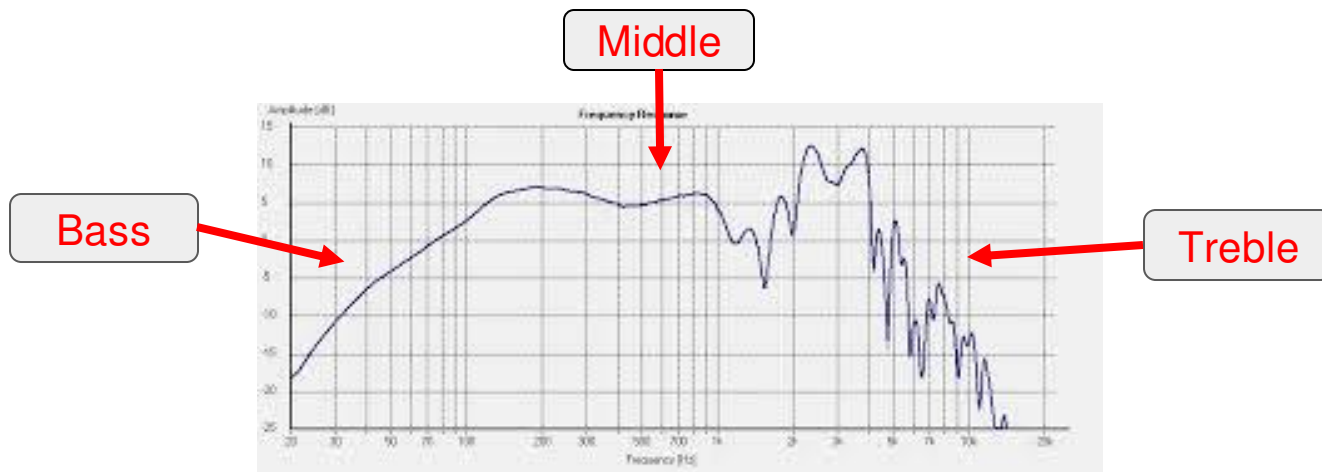
Reverb:
Sets echo
effect the
amp
simulates.



The Frequency Spectrum

A musical sound is a complex wave composed of many individual sound waves resonating at many different frequencies across the audible spectrum.

The tone controls can be used to control the shape of the complex waveform.



Tone Controls

Middle:
Controls the
middle
frequencies
levels

“Boost”:
Boosts the
middle
frequencies
levels

Bass:
Controls the
lower
frequencies
levels



Treble:
Controls the
higher
frequencies
levels

Let's Jam

Experiment with the amp's controls while we jam!

What sounds can you create?

Quiz #1

- What kind of clipping do tube and solid state transistors produce, respectively?
- What do the pre and post knobs do?
- Describe the effect the reverb knob creates?
- The bass, mid, and treble knobs control what areas of the frequency spectrum, respectively?

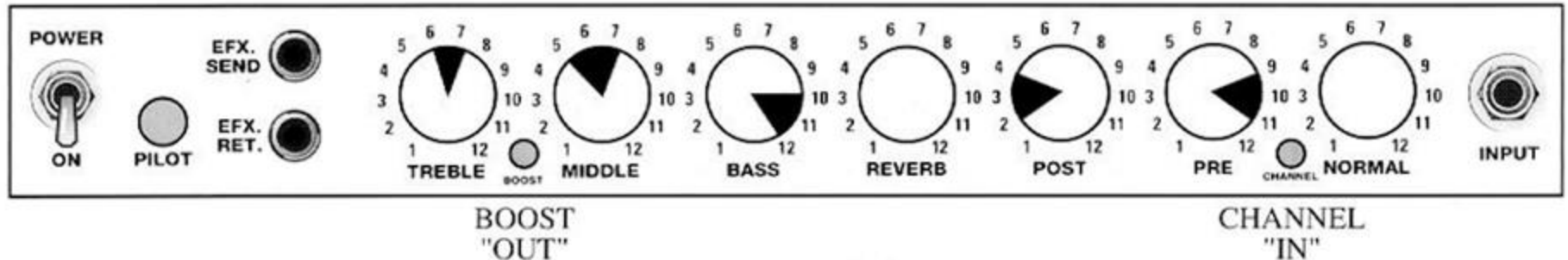
Rock Settings

Let's start experimenting with different settings for different styles of music

Notice that each has a range you can choose from.

What do you stands out about these settings for “rock” guitar?

ROCK

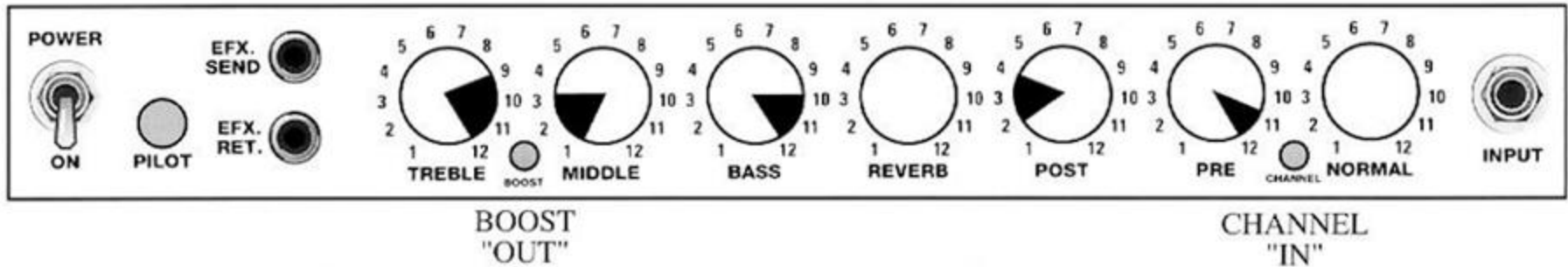


Metal Settings

Now experiment with these settings ranges for “metal” guitar.

How do they compare to the “rock” settings?

METAL

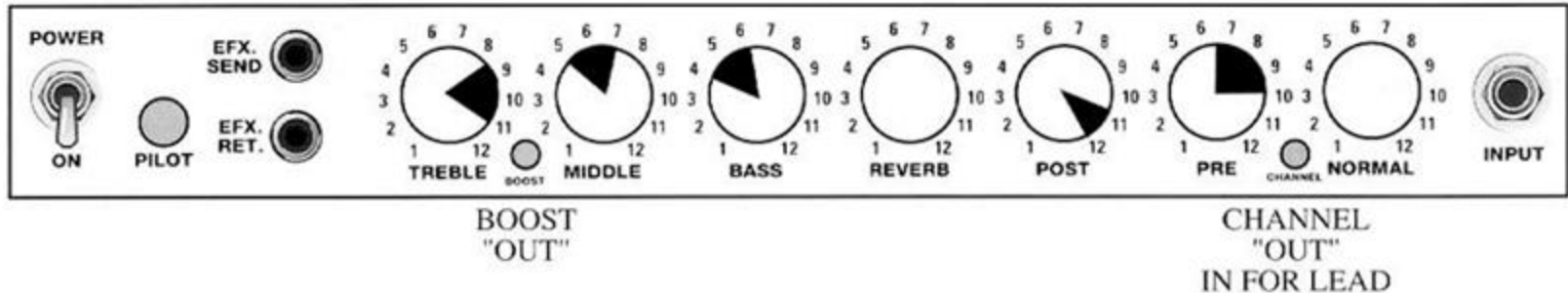


Blues Settings

Now experiment with these settings ranges for “blues” guitar.

How do they compare to the “rock” and “metal” settings?

BLUES

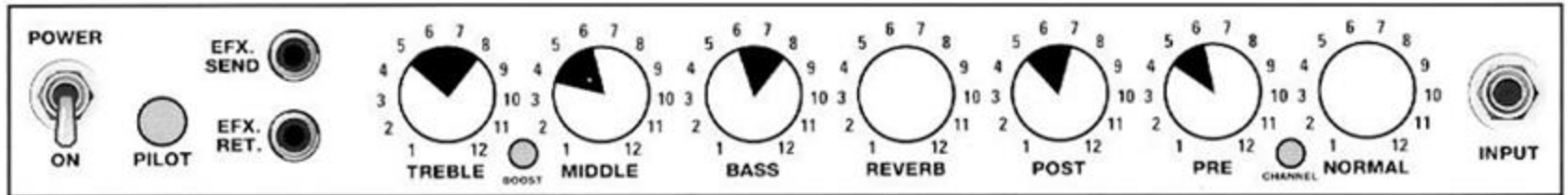


Country Settings

Now experiment with these settings ranges for “country” guitar.

How do they compare to the “blues” settings?

COUNTRY



BOOST
"OUT"

CHANNEL
"OUT"
IN FOR LEAD

Quiz #2

- Which genre sets the “pre” knob the highest?
- Which genre sets the “pre” knob the lowest?
- Which two genres set the bass knob control between 10 and 12?
- Which genre sets treble the highest?

Copy The Tone

- Let's use what we have learned about the guitar amp to copy the guitar tone to "Day Tripper" by The Beatles.
- Listen carefully to the guitar part and adjust your guitar and amp controls until your guitar sounds as close to the recording as possible

