



Audio, Video, Lighting & Communications

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Division of Pro Sound & Stage Lighting Ltd.

# EQ TIPS

## Quick Reference Guide

Instrument	Frequency of Interest	
<b>Kick Drum</b>	Bottom depth @ 60-80 Hz	Slap Attack @ 2.5 kHz
<b>Snare Drum</b>	Fatness @ 240 Hz	Crispness @ 5 kHz
<b>Hi-Hat/Cymbals</b>	Clank or Gong @ 200Hz	Shimmer @ 7.5kHz
<b>Rack Toms</b>	Fullness @ 240Hz	Attack @ 5 kHz
<b>Floor Toms</b>	Fullness @ 80-120 Hz	Attack @ 5 kHz
<b>Bass Guitar</b>	Bottom @ 60 Hz	Attack/Pluck @ 700 Hz – 1 kHz
<b>Electric Guitar</b>	Fullness @ 240 Hz	Bite @ 2.5 kHz
<b>Acoustic Guitar</b>	Bottom @ 80-120 Hz Body @ 240 Hz	Clarity @ 2.5 – 5 kHz
<b>Electric Organ</b>	Bottom @ 80-120 Hz Body @ 240 Hz	Presence @ 2.5kHz
<b>Acoustic Piano</b>	Bottom @ 80-120 Hz Body @ 240 Hz	Presence @ 2.5kHz "Honky Tonk" sound sharp 'Q' @ 2.5 kHz
<b>Horns</b>	Fullness @ 120-240 Hz	Shrill @ 5-7.5 kHz
<b>Strings</b>	Fullness @ 240 Hz	Scratchiness @ 7.5-10 kHz
<b>Congo/Bongo</b>	Resonance @ 200-240 Hz	Presence/Slap @ 5 kHz
<b>Vocals</b>	Fullness @ 120 Hz, Boominess @ 200-240 Hz	Presence @ 5 kHz Sibilance @ 7.5-10 kHz