

# Chord Formula Diagrams:

## Major Scale Chord Function: (W-W-h-W-W-W-h)

Chord Function	I	ii	iii	IV	V	vii	vii*
Major Function	Major Chord (R-3-5)	Minor Chord (R-b3-5)	Minor Chord (R-b3-5)	Major Chord (R-3-5)	Major Chord (R-3-5)	Minor Chord (R-b3-5)	Diminished Chord (R-b3-b5)
7th Chords	Major 7th Chord (R-3-5-7)	Minor 7th Chord (R-b3-5-b7)	Minor 7th Chord (R-b3-5-b7)	Major 7th Chord (R-3-5-7)	Dominant Chord (R-3-5-b7)	Minor 7th Chord (R-b3-5-b7)	Half Diminished Chord (R-b3-b5-b7)

## Minor Scale Chord Functions: (W-h-W-W-h-W-W)

Chord Function	i	ii*	III	iv	v	VI	VII
Major Function	Minor Chord (R-b3-5)	Diminished Chord (R-b3-b5)	Major Chord (R-3-5)	Minor Chord (R-b3-5)	Minor Chord (R-b3-5)	Major Chord (R-3-5)	Major Chord (R-3-5)
7th Chords	Minor 7th Chord (R-b3-5-b7)	Half Diminished Chord (R-b3-b5-b7)	Major 7th Chord (R-3-5-7)	Minor 7th Chord (R-b3-5-b7)	Minor 7th Chord (R-b3-5-b7)	Major 7th Chord (R-3-5-7)	Dominant Chord (R-3-5-b7)

### Harmonic Minor Scale Chord Functions: (W-h-W-W-h-[W+h]-h)

Chord Function	i	ii*	III+	iv	V	VI	vii*
Major Function	Minor Chord (R-b3-5)	Diminished Chord (R-b3-b5)	Augmented Chord (R-3-5#)	Minor Chord (R-b3-5)	Major Chord (R-3-5)	Major Chord (R-3-5)	Diminished Chord (R-b3-b5)
7th Chords	Minor 7th Chord (R-b3-5-b7)	Half Diminished Chord (R-b3-b5-b7)	Augmented 7th Chord (R-3-5#-7)	Minor 7th Chord (R-b3-5-b7)	Dominant Chord (R-3-5-b7)	Major 7th Chord (R-3-5-7)	Full Diminished Chord (R-b3-b5-bb7)

### Melodic Minor Scale Chord Functions: (W-h-W-W-W-W-h)

Chord Function	i	ii	III+	IV	V	vi*	vii*
Major Function	Minor Chord (R-b3-5)	Minor Chord (R-b3-5)	Augmented Chord (R-3-5#)	Major Chord (R-3-5)	Major Chord (R-3-5)	Diminished Chord (R-b3-b5)	Diminished Chord (R-b3-b5)
7th Chords	Minor 7th Chord (R-b3-5-b7)	Minor 7th Chord (R-b3-5-b7)	Augmented 7th Chord (R-3-5#-7)	Dominant Chord (R-3-5-b7)	Dominant Chord (R-3-5-b7)	Half Diminished Chord (R-b3-b5-b7)	Half Diminished Chord (R-b3-b5-b7)