

# MARTYN KRÜGEL'S BASS MANUAL

**NEW  
UPDATED  
EDITION**

**Appendix**



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## Appendix

**FREE *ELECTRONIC PDF VERSION 1.2***

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### **NOT FOR SALE**

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This PDF file was created as an additional educational aid for students of the bass guitar.

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Diagram of the Major Keys	Numeric	1	2	3	4	5	6	7	8	9	10	11	12	13
	Degree	1 <sup>st</sup> degree	2 <sup>nd</sup> degree	3 <sup>rd</sup> degree	4 <sup>th</sup> degree	5 <sup>th</sup> degree	6 <sup>th</sup> degree	7 <sup>th</sup> degree	8 <sup>th</sup> degree	9 <sup>th</sup> degree	10 <sup>th</sup> degree	11 <sup>th</sup> degree	12 <sup>th</sup> degree	13 <sup>th</sup> degree
	Roman Numeral	I	II	III	IV	V	VI	VII	I	II	III	IV	V	VI
	Mode	Ionian	Dorian	Phrygian	Lydian	Mixolydian	Aeolian	Locrian	Ionian	Dorian	Phrygian	Lydian	Mixolydian	Aeolian
	Interval	Unison	Major second	Major third	Perfect fourth	Perfect fifth	Major sixth	Major seventh	Octave	Major ninth	Major tenth	Perfect 11 <sup>th</sup>	Perfect 12 <sup>th</sup>	Major 13 <sup>th</sup>
	Diatonic Name	Tonic Root Keynote	Supertonic	Mediant	Sub-dominant	Dominant	Sub-mediant	Leading-note						
	Chord	Major	Minor	Minor	Major	Seventh	Minor	Diminished						
Major Keys		1	2	3	4	5	6	7	8	9	10	11	12	13
All ♯ natural	C Major	C	D	E	F	G	A	B	C	D	E	F	G	A
Keys with # Key-signatures	G Major	G	A	B	C	D	E	F#	G	A	B	C	D	E
	D Major	D	E	F#	G	A	B	C#	D	E	F#	G	A	B
	A Major	A	B	C#	D	E	F#	G#	A	B	C#	D	E	F#
	E Major	E	F#	G#	A	B	C#	D#	E	F#	G#	A	B	C#
	B Major	B	C#	D#	E	F#	G#	A#	B	C#	D#	E	F#	G#
	F# Major	F#	G#	A#	B	C#	D#	E#	F#	G#	A#	B	C#	D#
	C# Major	C#	D#	E#	F#	G#	A#	B#	C#	D#	E#	F#	G#	A#
Keys with b Key-signatures	F Major	F	G	A	Bb	C	D	E	F	G	A	Bb	C	D
	Bb Major	Bb	C	D	Eb	F	G	A	Bb	C	D	Eb	F	G
	Eb Major	Eb	F	G	Ab	Bb	C	D	Eb	F	G	Ab	Bb	C
	Ab Major	Ab	Bb	C	Db	Eb	F	G	Ab	Bb	C	Db	Eb	F
	Db Major	Db	Eb	F	Gb	Ab	Bb	C	Db	Eb	F	Gb	Ab	Bb
	Gb Major	Gb	Ab	Bb	Cb	Db	Eb	F	Gb	Ab	Bb	Cb	Db	Eb
	Cb Major	Cb	Db	Eb	Fb	Gb	Ab	Bb	Cb	Db	Eb	Fb	Gb	Ab

Diagram of the Natural Minor Keys	Numeric	1	2	3	4	5	6	7
	Degree	1 <sup>st</sup> degree	2 <sup>nd</sup> degree	3 <sup>rd</sup> degree	4 <sup>th</sup> degree	5 <sup>th</sup> degree	6 <sup>th</sup> degree	7 <sup>th</sup> degree
	Roman Numeral	I	II	III	IV	V	VI	VII
	Interval	Unison	Major second	Minor third	Perfect fourth	Perfect fifth	Minor sixth	Minor seventh
	Chord	Minor	Diminished	Major	Minor	Minor	Major	Major
Natural Minor Keys								
	1	2	3	4	5	6	7	
A Minor	A	B	C	D	E	F	G	
E Minor	E	F#	G	A	B	C	D	
B Minor	B	C#	D	E	F#	G	A	
F# Minor	F#	G#	A	B	C#	D	E	
C# Minor	C#	D#	E	F#	G#	A	B	
G# Minor	G#	A#	B	C#	D#	E	F#	
D# Minor	D#	E#	F#	G#	A#	B	C#	
A# Minor	A#	B#	C#	D#	E#	F#	G#	
	1	2	3	4	5	6	7	
D Minor	D	E	F	G	A	Bb	C	
G Minor	G	A	Bb	C	D	Eb	F	
C Minor	C	D	Eb	F	G	Ab	Bb	
F Minor	F	G	Ab	Bb	C	Db	Eb	
Bb Minor	Bb	C	Db	Eb	F	Gb	Ab	
Eb Minor	Eb	F	Gb	Ab	Bb	Cb	Db	
Ab Minor	Ab	Bb	Cb	Db	Eb	Fb	Gb	

Diagram of the Harmonic Minor Keys	Numeric	1	2	3	4	5	6	7
	Degree	1 <sup>st</sup> degree	2 <sup>nd</sup> degree	3 <sup>rd</sup> degree	4 <sup>th</sup> degree	5 <sup>th</sup> degree	6 <sup>th</sup> degree	7 <sup>th</sup> degree
	Roman Numeral	I	II	III	IV	V	VI	VII
	Interval	Unison	Major second	Minor third	Perfect fourth	Perfect fifth	Minor sixth	Major seventh
	Chord	Minor	Diminished	Augmented	Minor	Major	Major	Diminished Seventh
	Formula	b3/b6/7	b2/b3/b5/b7	#5	b3/#4/b7	b2/b6/b7	#2/#4	b2/b3/b4/b5/b6/bb7
Harmonic Minor Keys								
	1	2	3	4	5	6	7	
A Minor	A	B	C	D	E	F	G#	
E Minor	E	F#	G	A	B	C	D#	
B Minor	B	C#	D	E	F#	G	A#	
F# Minor	F#	G#	A	B	C#	D	E#	
C# Minor	C#	D#	E	F#	G#	A	B#	
G# Minor	G#	A#	B	C#	D#	E	F##	
D# Minor	D#	E#	F#	G#	A#	B	C##	
A# Minor	A#	B#	C#	D#	E#	F#	G##	
Harmonic Minor Keys								
	1	2	3	4	5	6	7	
D Minor	D	E	F	G	A	Bb	C#	
G Minor	G	A	Bb	C	D	Eb	F#	
C Minor	C	D	Eb	F	G	Ab	B	
F Minor	F	G	Ab	Bb	C	Db	E	
Bb Minor	Bb	C	Db	Eb	F	Gb	A	
Eb Minor	Eb	F	Gb	Ab	Bb	Cb	D	
Ab Minor	Ab	Bb	Cb	Db	Eb	Fb	G	

Diagram of the Melodic Minor Keys	Numeric	1	2	3	4	5	6	7
	Degree	1 <sup>st</sup> degree	2 <sup>nd</sup> degree	3 <sup>rd</sup> degree	4 <sup>th</sup> degree	5 <sup>th</sup> degree	6 <sup>th</sup> degree	7 <sup>th</sup> degree
	Roman Numeral	I	II	III	IV	V	VI	VII
	Interval	Unison	Major second	Minor third	Perfect fourth	Perfect fifth	Major sixth	Major seventh
	Chord	Minor	Minor	Augmented	Major	Major	Diminished	Diminished
Melodic Minor Keys		1	2	3	4	5	6	7
A Minor	A	B	C	D	E	F#	G#	
E Minor	E	F#	G	A	B	C#	D#	
B Minor	B	C#	D	E	F#	G#	A#	
F# Minor	F#	G#	A	B	C#	D#	E#	
C# Minor	C#	D#	E	F#	G#	A#	B#	
G# Minor	G#	A#	B	C#	D#	E#	F##	
D# Minor	D#	E#	F#	G#	A#	B#	C##	
A# Minor	A#	B#	C#	D#	E#	F##	G##	
		1	2	3	4	5	6	7
D Minor	D	E	F	G	A	B	C#	
G Minor	G	A	Bb	C	D	E	F#	
C Minor	C	D	Eb	F	G	A	B	
F Minor	F	G	Ab	Bb	C	D	E	
Bb Minor	Bb	C	Db	Eb	F	G	A	
Eb Minor	Eb	F	Gb	Ab	Bb	C	D	
Ab Minor	Ab	Bb	Cb	Db	Eb	F	G	

## Diagrams of the Bass Fingerboard

Diagram 1 – All the natural notes:

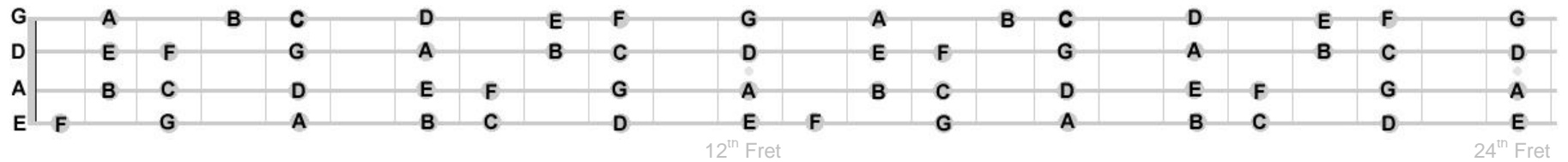


Diagram 2 – All the natural notes and the sharpened notes:

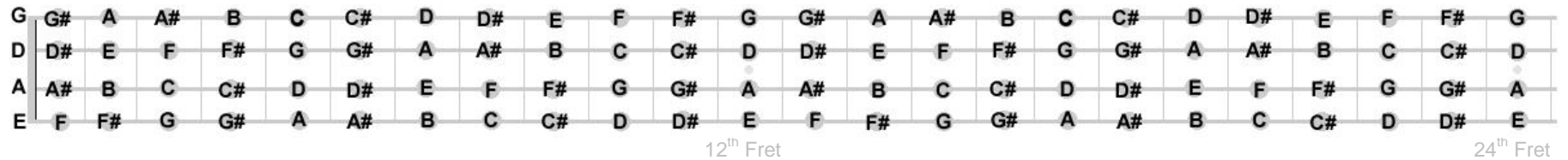


Diagram 3 – All the natural notes and the flattened notes:

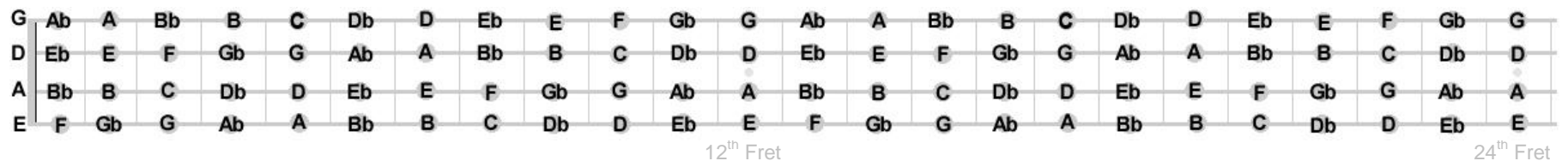


Diagram 4 – All the notes:

