

# Nut Chords Professional for Windows

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## User Manual

### SHORT LIST OF FUNCTIONS

- Detection of all chords on fretboard and keyboard
- Detection of all chord positions inside 4 frets + free strings area on fretboard
- Search for scales/modes/arpeggios on fretboard and keyboard
- Unlimited tuning
- Scroll boxes for root, basic chords, scales and tunings
- State of the art interface used by mouse and shortcuts
- Chord and scale diagrams as text
- Conversion of the current chord to fretboard and keyboard
- Invalid chords (no name) works aswell, you can search them
- Filter to cut out the worst positions (not ment to be used regularly)
- Name of first inversion (mainly for 7-chords like E/C)

### WHAT IS IT? HOW TO USE IT?

Hi and welcome to use Nut Chords, probably the most advanced chord finder program in the world! Nut Chords has been under development for one year now. This new 'Professional' version is almost entirely rewritten, from a different approach, that is to be able to detect ALL CHORDS from keyboard and fretboard, not like the old version that could detect only basic chords, or you could add more to a configuration file. Now you just press those keys and strings and what ever 3-6 notes there is, you'll get an answer to all logically correct chords. Let me explain... A chord needs at least 3 notes for example Cm = C D# G. In Nut Chords the maximum notes is 6, logically because a standard guitar has 6 strings! So, when you press 20 keys, Nut Chords will only look for the 6 first keys from left to determine the chord. Reason why you can press more is the scale finder, it can use all 12 notes in user mode to show a scale. This version also shows you the first inversion. To get an inversion name you need atleast 4 notes. For example Cmaj7 is the same as Em/C, Em means the chord and /C the lowest note. Many musicians use this format for example when they want bass guitar to play other note than the root of chord. In some cases the inversion name is more simple, so you can use it instead of a long cryptic chord name, it's your choice! As the maximum of notes is 6 it leads to problem with 13 chords, in full form they contain 7 notes, we have to omit one note. Solution is to omit the 11th, you could omit other notes, but in Nut Chords it is done this way. When you have a pure 9-chord, add 11th and you get 11- chord, or add 13th and you get

13-chord. Powerchords (C5, D5...) are not supported do to the way Nut Chords works and those are not really chords at all. Use scale mode for those! Hint : when you have no name for a chord, try putting the root an octave up. Root changes but the notes are the same and you might see some names.

Let me tell you some more... Nut Chords has a full graphical fretboard view with unlimited tuning, tune it to what ever you want!! You can detect all chords in all tunings in all positions, fingerings or what ever they are. Exactly, ALL! EVERYTHING! Those are the key words of Nut Chords. You determine your chord, then convert it to fretboard if you pressed keys, and then start scrolling around the positions, variations, what ever they are... You get nearly ALL POSITIONS to play a chord with a guitar, what ever tuning it was. Fine, thing is that most of the fingerings are just impossible but you can pretty fast see if you should try it or not. You've got to try them out yourself and choose what sounds good to you. Might sound hard, but the program is so simple! Just mess around and you'll learn it in a few minutes.

Excited? Not?? Let me tell you more. When you pick up a chord from a scrollbox or press keys or press strings, the chord shows in a box labeled 'chord' and possible inversion shows as well, realtime ofcourse. The chord name you see is the 'current chord'. You can CONVERT this chord to keyboard and fretboard, and then start scrolling around the positions! There's also a scrollbox called 'Basic chords'. There is some BASIC chords where to start with. There's hundreds of chords in the world, maybe thousands, so we can't list them all. Pick up a basic chord and then modify it on keyboard, add 9th or 11th and so on. There is also a list of alternative TUNINGS. Pick up one from the list or YOU CAN PRESS THE TUNE LETTERS at right. That pretty much covered the CHORD MODE.

SCALE MODE is where you can see scales, modes and arpeggios on the fretboard. You can press some keyboard keys to form your own scale. You'll see a label 'user' in the scale box. Nice feature that someone asked me to do, I've found it pretty useful myself. Learned the pentatonics for example with my own program! In scale mode you can aswell change tuning and root and see the notes on keyboard go up and down... that's it.

Almost forgot! You can do CHORD DIAGRAMS of the current chord on fretboard and save it as text. People where asking for this, it's pretty simple but does the job. Notice that there is space for only 4 frets in the diagram, so if you press strings between 10 frets eachother it won't show other than the 4 first frets. This is because the position finder looks from area of max. 4 frets and you usually just want to save those chords. If I used 5 frets as the limit, the position finder would produce dramatically more useless positions. I can hardly take 4 frets myself! You can also 'print' all the positions of the current chord at once, hit A for that. Usually the result is something like 100 diagrams, to cut it a little bit use the FILTER. Filter tries to eliminate the worst positions for your fingers. You should use it only for this purpose since it can eliminate some nice positions, or some positions you'd get ideas for more. Believe me, it's faster to scroll positions on fretboard than to print them all and look for the diagrams. It might take a little time to get use to the fretboard, but you can learn to look rapidly what's worth trying out. The filter is quite good and logical but I can't tell what your fingers can play, so don't use it regularly!! You can also print SCALE DIAGRAMS aswell and both to the same window.

## Shortkeys:

Insert	Scroll rootbox up
Delete	Scroll rootbox down
Home	Scroll chordbox / scalebox up
End	Scroll chordbox / scalebox down
PageUp	Scroll tuningbox up
PageDown	Scroll tuningbox down
Arrow Up	Show next position
Arrow Down	Show previous position
Arrow Right	Go to next root position
Arrow Left	Go to previous root position
Shift	Convert current chord to fretboard
Ctrl	Convert current chord to keyboard
Numpad 0	Change mode
D	Show diagram
A	Show all diagrams of a chord
F	Filter to cut out the worst positions
C	Clear diagram window

## HISTORY OF NUT CHORDS

Nut Chords has been under development a year now. It is state-of-the-art, best piece of code there is in chord finder genre. I've tried more than ten other programs from the Internet and they were pretty much CRAP for KIDS. So, I had to do it myself. I'm an amateur musician, tracked module music and composed for ten years and played guitar for a couple of years. So I had this picture in my mind what is a REAL CHORD FINDER and not just another TOY. I started coding and released the first version in 1. May 1997 in the Internet and very soon got some response from nice people, well I asked for greetings, people telling me they like it. I coded some more and fixed stuff and people were happy with it. Some asking for a Windows version and some for Macintosh and so on, could you do printing, sound, staff... I've always tried to keep it as simple and beautiful it can be, so I won't include any beeping sound or what ever not really necessary stuff. Well, most of you people are using Windows 95 or some other version, simply had to do it on Windows then, and ofcourse add some more, yes, detecting all chords and the diagrams. Think about this...

- I have spent hundreds of hours doing Nut Chords
- Nut Chords is the best chord finder I'm aware of
- All the crap programs are shareware
- Nut Chords makes the chord books history
- You can actually do something with it

Nut Chords is FREEWARE! However, if you use it regularly for composing purposes

then you are strongly encouraged to register it! It is voluntary to register, but if you understand the value of Nut Chords, then you can register by donating me a free sum of money. It can be 5\$ or 20\$ or 1000\$ if you'd like to. I collect money of different countries, so it would be very nice to get some cash from you, thank you very much! Registered folks will be notified of new versions by email! Unregistered won't be!

SEE REGISTER.DOC!

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## LICENSE, PLEASE READ! (It is boring I know...)

Nut Chords is FREeware

1. You can not charge anything of the program itself when distributing it.
2. I'm not responsible for any damages what so ever caused by this program.
3. It is not allowed to distribute Nut Chords with an altered configuration.
4. It is not allowed to modify Nut Chords package or the files in any way.
5. It is not allowed to use Nut Chords for commercial purposes, excluding composing music. If you compose for com. purp. then you should register!
6. You can freely put the program to any www-pages, magazines, CDs and so on when no fee is charged of the program itself.
7. The source code and rights are for sale to any company interested.

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