MUSICOLA
A COMPLETE MUSIC TOOL

This program will compose, edit, harmonize, add chords, printout, and memorize several thousand notes, which can be saved or loaded from tape in a relatively short time.

"MUSICOLA" (besides being a lot of fun,) can be used by students or novices, as well as the "PRO" composer or musician. It is "BUG FREE" and quite "user friendly". However, a program of this magnitude requires some experimenting and practice by the user, before it can perform its complete capabilities. (The HELP/PRACTICE mode is always available). Upon error, you will be returned to the MENU.

We sincerely hope you ENJOY.

When program is first loaded, hit menu item 3 (Play composition). This will play the music that was originally put in memory, and (in the future, your own compositions).

AT all times, you will be asked as to your wanting a printout of the music. In the event that you request a printout, the music will not be heard in "REAL TIME" as the computer needs time to draw each note on the screen, as well as the printer. Since the notes are plotted in high resolution, the printout is achieved under the copy command, therefore only DOT MATRIX type printers can be used. To hear the music correctly, omit the printout and choose TEMPO of play.

The music originally entered consists of 2 separate pieces. 1 - a section of a "BACH" invention, and 2 - an Irish jig. These where entered in the usual method, as well as the repeat note and repeat section feature. The above modes allow for a repeat of any number of notes or chords, as well as the proper changes in the printout, thus increasing the amount of notes (chords) in one memory load. Since they do not fill the entire storage capacity, you could (in the course of experimentation) continue composing and lengthening the current repertoire, by using menu item 2 (cont composition). And so, onwards to the actual instructions.

MENU ITEM 1 ... COMPOSE NEW MUSIC

This mode is the initial entry mode, erasing all music in memory. Before actual composition begins, the following will appear.

   A - **TIME SIGNATURE:** Your selection will determine the beats per measure (See diagram on right side of screen). All "BAR LINE" and measure adjustments of the printed music will be based on this selection. Time signatures can always be changed in (MID COMPOSITION), allowing for complete flexibility.
   B - **KEY SIGNATURE:** All # (sharp), b (flat) notes, as well as natural (accidentals) will be displayed. This mode as well is available at all times in mid composition.
   C - WE ARE NOW READY FOR ACTUAL NOTE ENTRY.

The screen display will consist of all current composition status, (TIME/ KEY, etc). At the lower part will at all times appear the various sub modes which will now be detailed.

    1. **"EAR ONLY":** Notes will not be displayed, allowing for faster, almost real time entry. All music can of course be viewed at a later time. Please refer to MENU ITEM 5 (help learn) in order to familiarize yourself with the keyboard.

    2. **"NOTATION":** COMPOSE mode always starts this way. Entry of note pitch & duration is separate & not in real time. All notes are displayed as entered. Both sub modes are interchangeable.

    3. **DELETE NOTE:** This deletes the last note entered. Screen will display a circle around that note. You can continue the process for the note before and so on.

    4. **HARMONY:** Here we enter into a more complicated mode that actually consists of 2 separate sub modes.

    A - Enter 2 harmony notes MANUALLY. These are entered in the usual manner and are displayed above or below the "MELODY" note.

    B - **CHORDS:** the program's memory contains all of the common and uncommon 3 note chords. First enter the name as prompted, then the type (major, minor, diminished, etc), and then its duration. Harmony mode is also always available from COMPOSE or EDIT mode.

    5/6 **CHANGE TIME/CHANGE KEY:** As mentioned above, are available at all times during compose.

    7. **REPEAT SECTION:** In order to use this mode correctly, you first have to HIT (sub menu 9 (NOTE to START SECTION REPEAT)). All notes entered from this point will be inserted into a "BUFFER" memory. At the point of repeating, HIT the above key 7 and that section will be repeated. Screen and printout will display the usual repeat signs.

    8. **REPEAT NOTE:** a simpler form, just repeats the last note entered.

    9. (explained in section 7).

    ENTER: REST hit the ENTER key which duration wise is treated as any other note. Rests will sound and print out.

    0. END will of course end COMPOSE mode, and return you to main MENU.

    MENU ITEM 7. EDIT/CHANGE: All notes will be played and displayed on screen in their order. Hitting ENTER will move up to the next note. 0- will exit the EDIT/CHANGE mode. ANY other key will ready the note for EDITING (temporarily moving into compose mode). When the various changes are made, the process will repeat for the next note in memory.

    MENU ITEM 6. ADD HARMONY: harmony (in the manner mentioned above, can be added after all melody notes are in. The prompts are as in the EDIT/CHANGE mode, allowing you to insert HARMONY (note or chords) only where needed.

    PS: In PRINTOUT (PLAY) mode, as well as in EDIT/CHANGE or ADD HARMONY modes, the prompt HARMONY? Y/N appears. This gives you the choice of a HARMONY NOTES display and PRINTOUT. In other words, if you want to edit a MELODY note only, you may not require a view of the HARMONY. This would SPEED UP the PRINTOUT or screen DISPLAY.

    5. **PRACTICE/LEARN/HELP:** as mentioned before, this mode should actually be tried first to give you the "FEEL" of the keyboard as well as a quick reference to what key produces what note etc. (SHARPS & FLATS are always produced by CAPS SHIFTING the key producing the natural note. (It's all quite simple).

4. SAVE LOAD: MUSIC "FILES" will always be SAVED under the name MUSICOLA so better make a note on the various cassettes of what that file contains musically (name of composition, COMPOSER, etc). Loading a FILE will of course erase the one currently in the computer.

REM... IN conclusion, there is no end to the amount of documentation possible. CANNAN SOFTWARE hopes that these brief instructions will help you get started in a creative & painless way.

WE THANK YOU for your patronage.