

## Features of Personal Composer Version 3

PC-Pro provides up to 128 staves per system.

PC-16 provides up to 16 staves per system.

PC-8 provides up to 8 staves per system.

The table below lists most of the features of the program, and shows which levels support each feature. Features printed in blue are new in Version 3.

### Operating Systems: Windows 98/SE/ME/2000/XP/Vista

#### Program Levels

PC-Pro  
PC-Pro  
PC-Pro 16  
PC-Pro 16 8  
PC-Pro 16 8  
PC-Pro 16 8  
PC-Pro 16 8

#### File Compatibility

Imports MIDI, RIFF-MIDI, NIFF and Music-XML files.  
Exports MIDI and NIFF files  
Imports RIFF-MIDI files.  
Imports Type 1 Standard MIDI files.  
Exports Type 1 Standard MIDI files.  
Copy a selected area and paste to a WP, DTP, or Graphics application.  
Opens files from previous versions of program.

#### Document Display

PC-Pro  
PC-Pro  
PC-Pro 16  
PC-Pro 16  
PC-Pro 16  
PC-Pro 16  
PC-Pro 16  
PC-Pro 16  
PC-Pro 16 8  
PC-Pro 16 8  
PC-Pro 16 8  
PC-Pro 16 8

Intermediate barline symbol  
Blank pages may be inserted into the score, for text or other uses.  
Restart page numbers and measure numbers anywhere.  
Hide secondary beams.  
Beams will cross barlines.  
Can use certain alternate music fonts  
Text equivalents for Pedal marks  
Use short staff names or none at all in systems after the first.  
Optional boxes or circles around measure numbers (square box, rounded box, circle)  
Add rehearsal marks emphasized with rectangles, rounded rectangles, or circles  
Wavy, dashed, and dotted straight lines, optionally with arrowheads.  
Automatically adjusts note spacing to accommodate accidental on first beat of a measure.  
Note-owned fingering numbers, in vertical array.

#### Toolbars and Palettes

PC-Pro  
PC-Pro  
PC-Pro 16  
PC-Pro 16 8  
PC-Pro 16 8  
PC-Pro 16 8

Tool palettes can follow a movable main tool palette.  
Tool palettes can be reshaped.  
Tool palettes can be large or small (PC-8 palettes are large only)  
Status Line identifies objects and their parameters.  
Vanishing palettes provide a "cleaner" look.  
Use a palette to select notes, accidentals, rests or articulations.

#### Documentation and Online Help

PC-Pro 16 8  
PC-Pro 16 8  
PC-Pro 16 8  
PC-Pro 16 8  
PC-Pro 16 8

Comprehensive user manual on disk.  
Easy start-up instructions.  
Illustrated Help file with links.  
On-screen messages identify tools and their uses.  
Choose from pre-designed score templates, or easily create your own.

### **Music Entry - Manual**

PC-Pro	16	8	Select rhythmic values with the computer keyboard or with the mouse.
PC-Pro	16	8	Enter pitches and position them with the mouse.
PC-Pro	16	8	Enter pitches and position them with the computer keyboard.
PC-Pro	16	8	Select and position articulation markings, text, and dynamics.

### **Music Entry - Real Time**

PC-Pro			On-screen timer for recording and playback
PC-Pro	16	8	Notate as you play a MIDI instrument, following a program-supplied metronome.
PC-Pro	16	8	Set rhythmic values with the MIDI keyboard, computer keyboard or from a palette.
PC-Pro	16	8	Record and play with a resolution of 1024 parts per quarter note.
PC-Pro	16	8	Record on one staff while playing back others.
PC-Pro	16	8	Set split point for recording two parts at once.
PC-Pro	16	8	Preset note quantization.
PC-Pro	16	8	Preselect MIDI controllers to be hidden or filtered out.
PC-Pro	16	8	In Step Time mode, enter pitches one beat at a time using a MIDI instrument.

### **Music Capacity**

PC-Pro	16	8	Enter rhythmic values from a double-whole note to a 128th note.
PC-Pro	16	8	Define up to four independent note streams of music (voices) per staff.
PC-Pro	16	8	Define up to four timbres (channel and patch combinations) per staff.
PC-Pro	16	8	Optionally enter as many notes in a measure as you wish, regardless of time signature.

### **Staves**

PC-Pro			Up to 128 staves per system, unlimited number of measures per file
PC-Pro			Multiple staff sizes in the same score.
PC-Pro			Ossia staves, cue staves.
PC-Pro	16	8	Choose from ten standard staff sizes, or define a custom size.
PC-Pro	16	8	Set the number of lines in any staff from 1 to 15.

### **Clefs and signatures**

PC-Pro	16	8	Choose from 16 clefs.
PC-Pro	16	8	Place a new clef or key signature at the start or within any measure.
PC-Pro	16	8	Optionally hide a clef, time signature, or key signature.
PC-Pro	16	8	Automatic courtesy clef at the end of previous line. Hide if desired.

### **Key & Time Signatures, Barlines**

PC-Pro	16		Restart measure numbers any number of times.
PC-Pro	16	8	Hide a measure number.
PC-Pro	16	8	Easily set up Key and Time signatures.
PC-Pro	16	8	Use standard key signatures.
PC-Pro	16	8	Use a different key signature in each staff.
PC-Pro	16	8	Create complex time signatures.
PC-Pro	16	8	Hide key and time signatures if desired.
PC-Pro	16	8	Ignore the key signature on percussion staves.
PC-Pro	16	8	Automatically place double barlines before key changes.
PC-Pro	16	8	Easily place an end barline and trim empty measures.

### **Text Handling**

PC-Pro			<a href="#">Rich Text box permits block text with style, formatting, and color options.</a>
PC-Pro	16		<a href="#">Define up to 64 QuickFonts</a>
PC-Pro	16	8	Create and position titles, copyright notices and other text.
PC-Pro	16	8	Text on master page appears on all pages.
PC-Pro	16	8	A text macro can be placed on any page, to print on all following pages.

## Text Handling Continued

PC-Pro	16	8	Automatic page numbering.
PC-Pro	16	8	Stamp each page with file name, date and time.
PC-Pro	16	8	Place large blocks of text with a built-in text editor.
PC-Pro	16	8	Cut, copy and paste text.
PC-Pro	16	8	Create and edit text blocks on any view.
PC-Pro	16	8	Control text font, size, style and alignment.
PC-Pro	16	8	Independently specify the alignment, position, and font for any staff name.
PC-Pro	16	8	Change style of all selected text by pressing B, I, U on the keyboard.
PC-Pro	16	8	Change fonts globally for text blocks, staff names, group names and lyrics.

## Lyrics

PC-Pro	16	8	Auto space hyphens in lyrics
PC-Pro	16	8	Auto melismas in lyrics
PC-Pro	16	8	Up to eight lines of lyrics.
PC-Pro	16	8	Type lyrics directly onto the score.
PC-Pro	16	8	Automatically aligns lyrics with notes.
PC-Pro	16	8	Align lyric lines globally or syllable-by-syllable.
PC-Pro	16	8	Mix fonts, sizes and styles as needed.

## Chords and Guitar Notation

PC-Pro			Plays guitar chords
PC-Pro			Permits user-defined chord types
PC-Pro	16	8	Plays a Tab staff.
PC-Pro	16	8	TAB clef auto-adjusts to staff height.
PC-Pro	16	8	Select and place chord names and/or chord frames easily.
PC-Pro	16	8	Chord names can be user defined.
PC-Pro	16	8	Automatically transposes chord symbols with changes in key.
PC-Pro	16	8	Use positioning guides to accurately place chord symbols.
PC-Pro	16	8	Guitar Tablature notation.

## Percussion

PC-Pro			Supports PAS percussion notation standard as well as the MIDI standard.
PC-Pro			Auto drum rolls.

## Music Editing

PC-Pro			"Copy to end" selected staves, for pasting elsewhere, including another file.
PC-Pro			Define default music metrics - line widths, spacings of notes, accidentals, clefs, etc.
PC-Pro			Use scroll mouse for zoom.
PC-Pro			A barline can be moved with respect to notes, to reformat measures
PC-Pro	16		Dynamics can be incremented/decremented (such as from f < > ff) in place.
PC-Pro	16		View a score in scroll view (continuous staff) or page view. (In PC-8, page view only.)
PC-Pro	16		Move between main score window and individual part views.
PC-Pro	16	8	Objects will snap to guide lines (option).
PC-Pro	16	8	Focused item is displayed in color (optional).
PC-Pro	16	8	Auto grace notes.
PC-Pro	16	8	Lock measures against positional changes by page refreshing or reformatting.
PC-Pro	16	8	Each slur end can be "owned" by a note, and moves with that note.
PC-Pro	16	8	When an object is focused, a dashed blue line connects to the owning note, beat, or measure
PC-Pro	16	8	When placing a hairpin or slur, cursor jumps to right end for faster editing

## Music Editing Continued

PC-Pro	16	8	Use a scroll mouse for scrolling.
PC-Pro	16	8	Enlarge or reduce a view between 33% and 2250% of normal working size.
PC-Pro	16	8	Use on-screen rulers and non-printing guide lines to position score elements.
PC-Pro	16	8	View each window in any manner desired (view, magnification, etc.).
PC-Pro	16	8	Cut, copy, and paste between files.
PC-Pro	16	8	Move immediately to a specified page or measure.
PC-Pro	16	8	Number of files open at the same time: PC-PRO, unlimited; PC-16, 4; PC-8, 2.
PC-Pro	16	8	Toggle ownership of objects between beat, note, and page.
PC-Pro	16	8	Select any group of notes, including partial measures, for editing.
PC-Pro	16	8	Insert, cut, copy, and delete music.
PC-Pro	16	8	Double-click almost any item to immediately view its parameters.
PC-Pro	16	8	Reposition any object or text anywhere on the page simply by dragging it.
PC-Pro	16	8	Transpose, rebeam and apply other changes to music.
PC-Pro	16	8	Select and position articulation markings, text and dynamics.
PC-Pro	16	8	Apply articulations with automatic positioning and stem direction sensitivity.
PC-Pro	16	8	Respace notes and rests within measures.
PC-Pro	16	8	Adjust measure widths by moving barlines.
PC-Pro	16	8	Control stem direction of individual notes or of selected groups of notes.
PC-Pro	16	8	Add graphic repeat signs and text repeat markings.
PC-Pro	16	8	Adjust the positions of beats in a measure.
PC-Pro	16	8	Adjust positions of notes without moving the beats.
PC-Pro	16	8	Adjust ties, slurs, crescendos and diminuendos.
PC-Pro	16	8	Easily place a repeat barline and a repeat ending for any selected region.
PC-Pro	16	8	Move all notes in a selected region upward or downward using the arrow keys.
PC-Pro	16	8	Move notes from one "Voice" to another.

## Part Extraction

PC-Pro	16		Extract one or more staves at once.
PC-Pro	16		<a href="#">Text macros for part-extract templates.</a>
PC-Pro	16		Automatic condensing of empty measures and placing of multimeasure rests.
PC-Pro	16		Automatically creates end barline and trims empty measures.
PC-Pro	16		Extract part to a template with predefined setup and layout.
PC-Pro	16		Transpose part on extraction, or transpose it only on playback.
PC-Pro	16		Page-owned text on Page 1 and master-page items are copied to extracted part.
PC-Pro	16		Extraction copies original manuscript attributes such as measure numbering.
PC-Pro	16		Setup and layout of extracted part can be based on the original score or a template.
PC-Pro	16		Dynamics and MIDI controllers designated as "all staves" extract with each part.

## Beams, Stems & Note-heads

PC-Pro	16		<a href="#">Secondary beams can be hidden.</a>
PC-Pro	16	8	<a href="#">Cross-barline beaming is supported.</a>
PC-Pro	16	8	Supports cross-staff notes and beaming, beam width, rests within beam groups.
PC-Pro	16	8	Select standard oval notes or shaped notes.
PC-Pro	16	8	Control stem direction of individual notes or of selected groups of notes.
PC-Pro	16	8	Assign a playback meaning to any graphic.
PC-Pro	16	8	Add Cue Notes - easily place cue notes on any staff.
PC-Pro	16	8	Automatically places double barlines before key changes.
PC-Pro	16	8	Change the sizes of note-heads of all notes in a selected region.

## Graphics

PC-Pro		Paste graphics from other applications.	
PC-Pro	16	8	Select any area and copy it as a WMF or BMP graphic.
PC-Pro	16	8	Place dotted, dashed, and wavy lines.
PC-Pro	16	8	Place ellipses, rectangles, perfect circles and squares.
PC-Pro	16	8	Control line thickness and fill for rectangles and ellipses.

## Playback

PC-Pro		Auto trills, turns, and mordents using only the signs.	
PC-Pro		Auto arpeggios over one or two staves. Just place a wavy line.	
PC-Pro		Auto glissandos. Just place a straight or wavy line.	
PC-Pro		Auto pitch bend for continuous instruments such as trumpet, violin.	
PC-Pro		User-definable chords.	
PC-Pro		Auto drum rolls.	
PC-Pro		Plays guitar chords.	
PC-Pro		D.S., D.C., <i>Segno</i> , <i>al coda</i> and <i>al fine</i> control playback.	
PC-Pro		Stem slashes on notes effect repeats.	
PC-Pro		On-screen timer for playback	
PC-Pro		Repeat signs (slashes) repeat playback of note groups and measures.	
PC-Pro		Use a MIDI message symbol to set or change playback transpose.	
PC-Pro	16	Fermatas will pause playback	
PC-Pro	16	8	User-defined default values for dynamics.
PC-Pro	16	8	Play your score through a MIDI instrument, Sound Module, or Sound Card.
PC-Pro	16	8	Dynamics, octave marks, repeats and tempo marks control playback.
PC-Pro	16	8	Place and edit individual MIDI events.
PC-Pro	16	8	MIDI controllers can be single events or transitions, linear or nonlinear.
PC-Pro	16	8	On-screen mixer adjusts tempo, volume of each staff; solo or mute staves.
PC-Pro	16	8	Play selected staves or an entire score, start and stop at will.
PC-Pro	16	8	After playback, display returns to the starting measure.
PC-Pro	16	8	Scrolls music on-screen during playback, in Page view or Scroll view.
PC-Pro	16	8	Define playback sound of each staff.
PC-Pro	16	8	Easily assign a MIDI channel or patch, and solo/mute setting for each staff.
PC-Pro	16	8	Define playback of interpretive marks, text and shapes.
PC-Pro	16	8	Play a score as notated or as recorded.

## Page Layout

PC-Pro	16	Insert blank pages into score.	
PC-Pro	16	8	Control the layouts of individual staff systems and page margins.
PC-Pro	16	8	Move lyrics, chords, expressions, titles, text blocks and other elements.
PC-Pro	16	8	Fit selected measures into staff systems.
PC-Pro	16	8	Insert staff systems into your music while keeping the original systems intact.
PC-Pro	16	8	Insert staff systems while reflowing measures across systems and pages.
PC-Pro	16	8	Easily set the distance between staves.
PC-Pro	16	8	Indent staff systems and adjust systems horizontally or vertically.
PC-Pro	16	8	Simplify the conductor's score by hiding the staff for resting instruments.

## Printing

PC-Pro	16	Print random pages.	
PC-Pro	16	8	Print on virtually any Windows-compatible printer.
PC-Pro	16	8	One-side or two-side printing.
PC-Pro	16	8	Collate pages.
PC-Pro	16	8	Print to a file that can be printed without Personal Composer.