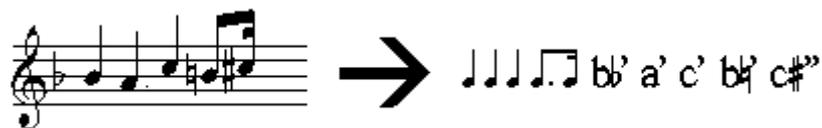
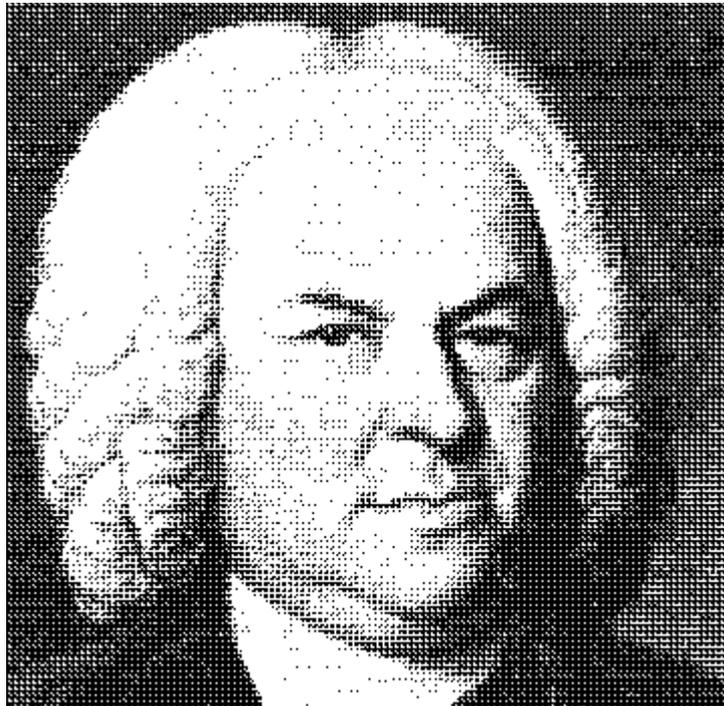


Bach



Roman Family Musicological Font
for *Microsoft Windows 3.0* or higher

USER GUIDE

Version 2.3a

© Yo Tomita 1992-1994

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Introduction

Bach is a font software for both screen display and printer for Windows. **Bach** contains a comprehensive set of musical symbols but retains normal English character set in standard Roman type-face.

It is important to note that **Bach** is not the kind of fonts for music score editors, such as Adobe's **Sonata**. Unlike such fonts, the music characters in **Bach** are sized and spaced out that you can use in a sentence.

In **Bach**, line spacing will not be affected by its use and beamed symbols are available from quaver to hemidemisemiquaver. But if you try to use **Sonata** or any other fonts for music processor in a wordprocessor, line spacing is severely affected and there are no beamed symbols you can use. You need to add beams later by hand as well.

Although it is possible to write small musical examples with **Bach**, it is not possible to get the same quality of examples in fully notated form as the ones you can create in a score editor.

The musical symbols in **Bach** follow the standard convention found in many academic books and journals. Instead of using a music example, many musical symbols are embedded in certain fashion in sentences, for it is often easier and sufficient to quote them in a sentence as an extract of a specific element of music, such as pitch (a# b c\$), chords or rhythm (f.i i) that are focused in the discussion. In this way, the sentence is constructed in a continuing flow of utterable phrase, without requiring large break to accommodate a large, complex musical example.

Bach was originally designed specifically for use in the spreadsheet to compile a database for the manuscript study. This specific environment demanded such that the font must contain both normal English character set as well as comprehensive set of musical symbols. This is why most of the music symbols in **Bach** are allocated to the locations above 7-bit ASCII range which cannot be typed easily. Accidentals are allocated in the keyboard accessible range, for they are always accompanied by alphabetical characters.

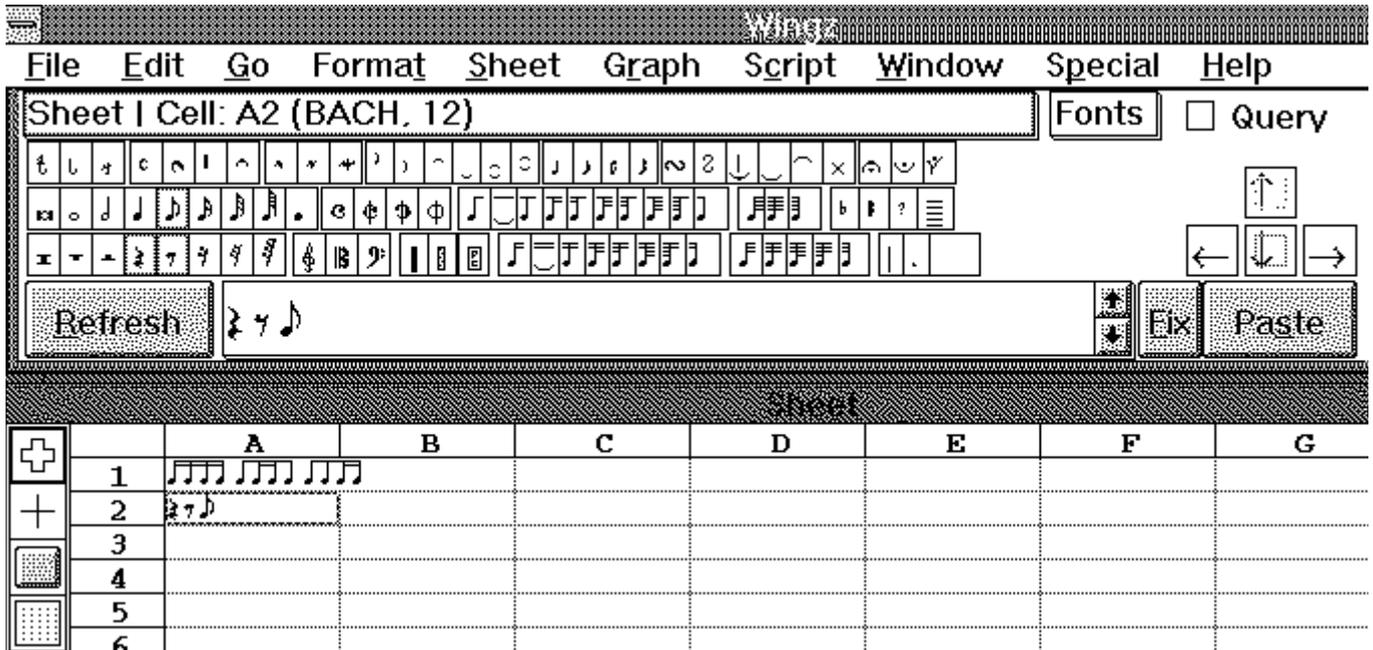
This very nature of font arrangement can be helpful under the circumstances when you accidentally lose the format of the paragraph. For example, if you lose format information of the above paragraphs, you might be in great trouble if the music font uses normal 7-bit ASCII range.

Summary of Features

- * Almost WYSIWYG effect with Shareware version, but True WYSIWYG with Registered version if you have TrueType or ATM.
- * Unlike other commercial music fonts, **Bach** is a Roman family font and is fully compatible with normal applications, such as wordprocessor, spreadsheet and database.
- * With **Bach** you can write musicological sentences with this font alone. If you use a spreadsheet or a database (under which you are normally permitted to use one font only for a field / record), this font is probably the only option for you. This also means **Bach** could be the only required font downloaded to your printer, conserving printer's memory.
- * Endless variety of notational patterns (up to hemidemisemiquavers) and ornaments (e.g., *doppelt cadence und mordant*) can be created by combining the characters in the font.
- * High definition Portrait font for HP Laserjet is included. For registered version, you will receive two scalable fonts, TrueType and ATM. In addition, many other high-resolution printer fonts are included: HP Laserjet in Landscape mode and HP Deskjet fonts.

Bach is an ANSI font. Since 74 musical symbols are located in the extended range of ASCII table (above 128), you need to hold ALT key and typing 4 digits of ANSI code of each character on Numeric Keypad (with Num Lock indicator on). There are other (and perhaps better) ways to do if you can:

1. run **Character Map** which is normally found in Accessories group in Program Manager, and copy the desired symbol.
2. copy and paste from any document containing such characters (e.g., open the BACH_ASC.WRI);
3. create Music Symbol Editor of your own. I have created it for Wingz (see below) and Lotus AmiPro 3.0 for registered users.



Some musical symbols (i.e., notes, rests and selected parts of ornaments) have the provision of overlapping with other symbols in order to create specific shapes. Please refer to BACH_SYM.WRI.

System Requirements

- * A Computer capable of running Windows
- * At least one application program which can make use of Windows' selection of fonts, such as Windows Write, Word for Windows, AmiPro, Lotus 123 for Windows, Excel, Wingz.
- * Any printer that is supported by Windows.

Package Contents

This shareware package contains the following files:

- | | |
|--------------|--------------------------------------------|
| BACH23E.FON | Windows Raster font (VGA res). |
| BACHHP08.SFP | HP Laserjet II (III) portrait font (8 pt) |
| BACHHP08.PFM | Windows font metric table of above |
| BACHHP10.SFP | HP Laserjet II (III) portrait font (10 pt) |
| BACHHP10.PFM | Windows font metric table of above |
| BACHHP12.SFP | HP Laserjet II (III) portrait font (12 pt) |
| BACHHP12.PFM | Windows font metric table of above |

| | |
|-----------------------|---------------------------------------------------|
| BACHHP14.SFP | HP Laserjet II (III) portrait font (14 pt) |
| BACHHP14.PFM | Windows font metric table of above |
| BACH23S.TTF | TrueType font (embedding capability disabled) |
| BACH23N.PFA | Postscript printer font (Postscript Type 3 font) |
| BACH23N.PFM | Windows font metric table of above |
| BACHANSI.WRI | Table of Bach font in ANSI code |
| BACHSMPL.WRI | Sample Symbols (Windows Write) |
| BACH_SYM.WRI | Bach's Symbols: Classified index. |
| BACH_UG.WRI | On-line description (Windows Write): Users Guide. |
| README <i>nn</i> .txt | Latest information of Bach, etc. |

The **registered** package contains a printed manual and the following files on the disk:

| | |
|------------------|---------------------------------------------------------------------|
| BACH.ICO | Bach Icon (for one of on-line documents) |
| BACH22E.FON | Windows Raster font (VGA res.) |
| BACHSCR.FON | a dummy Windows Raster font (VGA res.) |
| BACHSMPL.WRI | Sample Symbols (Windows Write) |
| BACH_SYM.WRI | On-line description of the font (Windows Write) |
| README nn .txt | Latest information of Bach, etc. |
| BACHHP nn .SFL | HP Laserjet II (III) landscape font ($nn = 08, 10, 12, 14, 18$ pt) |
| BACHHP nn .PFM | Windows font metric table of above |
| BACHHP nn .SFP | HP Laserjet II (III) portrait font ($nn = 08, 10, 12, 14, 18$ pt) |
| BACHHP nn .PFM | Windows font metric table of above |
| BACHHP nn .USP | HP Deskjet font ($nn = 08, 10, 12, 14, 18$ pt) |
| BACHHP nn .PFM | Windows font metric table of above |
| BACH23N.TTF | TrueType font (full version) |
| BACH23N.FOT | |
| BACH23N.PFB | Postscript Type 1 (ATM) font |
| BACH23N.PFM | font metrics of above |
| BACH23N.AFM | |
| BACH23N.INF | |

Plus many utility for Informix Wingz and for Lotus AmiPro 3.0

Installation of Shareware package

CAUTION: Please make a backup copy of the original disk prior to installation.

To install a Windows screen font in Windows 3.x and TrueType in Windows 3.1:

1. Run Windows.
2. Open CONTROL PANEL (usually found in MAIN group of Program Manager) and double click on FONTS.
3. Press "ADD" button and click on one of the floppy drives that the **Bach** disk is located.
4. Select BACHE.FON (for a VGA display) or BACH23S.TTF (TrueType font)
5. Click on "EXIT". **Bach** screen font is now installed.

To install a PostScript printer font in Windows:

1. Copy BACH23N.PFA font in \PSFONTS directory. (If you do not have a PSFONTS directory, you should create one now)
2. COPY BACH23N.PFM font in \PSFONTS\PFM directory. (If you do not have a \PSFONTS\PFM directory, you should create one now)
3. Edit WIN.INI with any text editor (e.g., NOTEPAD.EXE or SYSEDIT.EXE of Windows): Go to the section header "[POSTSCRIPT, {printerport}]". Find a line "SOFTFONTS={n}".

If "SOFTFONTS={n}" is already defined, go to 4, otherwise go to 7.

4. Increment the "n" by one.
5. Go to the end of the softfont listing "SOFTFONT n =....." and add the following line:
SOFTFONT{ $n+1$ }={drive}:\PSFONTS\PFM\BACHPS.PFM,{drive}:\PSFONTS\BACHPS.PFA
6. Save your changes to the WIN.INI file. The installation is now complete

If "SOFTFONTS="n" has not been defined:

7. Create the following line directly under the section header:
SOFTFONTS=1
8. Type the following line directly below:
SOFTFONT1={drive}:\PSFONTS\PFM\BACHPS.PFM,{drive}:\PSFONTS\BACHPS.PFA
9. Save your changes to the WIN.INI file. The installation is now complete.

To install a HP Laserjet font in Windows 3.0:

1. Copy BACHHP*. * fonts in \PCLFONTS directory. (If you do not have a PCLFONTS directory, you should create one now)
2. Edit WIN.INI with any text editor (e.g., NOTEPAD.EXE or SYSEEDIT.EXE of Windows): Go to the section header "[HPPCL, {printerport}]". Find a line:
SOFTFONTS={n}

If "SOFTFONTS={n}" is already defined, go to 3, otherwise go to 7.

3. Increment the "n" by 4.
4. Go to the end of the softfont listing "SOFTFONTn=....." and add the following lines:
SOFTFONT{n+1}={drive}\PCLFONTS\BACHHP08.PFM,{drive}\PCLFONTS\BACHHP08.SFP
SOFTFONT{n+2}={drive}\PCLFONTS\BACHHP10.PFM,{drive}\PCLFONTS\BACHHP10.SFP
SOFTFONT{n+3}={drive}\PCLFONTS\BACHHP12.PFM,{drive}\PCLFONTS\BACHHP12.SFP
SOFTFONT{n+4}={drive}\PCLFONTS\BACHHP14.PFM,{drive}\PCLFONTS\BACHHP14.SFP
5. Save your changes to the WIN.INI file.
6. Delete a file called "FS{printer port}.PCL" found in "{drive}\{windows' default directory}". The installation is now complete.

If "SOFTFONTS={n}" has not been defined:

7. Create the following line directly under the section header:
SOFTFONTS=4
8. Type the following lines directly below:
SOFTFONT1={drive}\PCLFONTS\BACHHP08.PFM,{drive}\PCLFONTS\BACHHP08.SFP
SOFTFONT2={drive}\PCLFONTS\BACHHP10.PFM,{drive}\PCLFONTS\BACHHP10.SFP
SOFTFONT3={drive}\PCLFONTS\BACHHP12.PFM,{drive}\PCLFONTS\BACHHP12.SFP
SOFTFONT4={drive}\PCLFONTS\BACHHP14.PFM,{drive}\PCLFONTS\BACHHP14.SFP
9. Save your changes to the WIN.INI file.
10. Delete a file called "FS{printer port}.PCL" found in "{drive}\{windows' default directory}". The installation is now complete.

To install a HP Laserjet font in Windows 3.1:

1. Run Windows.
2. Open **Control Panel** and Click on **Printer**.
3. Select **SETUP**, then **ADD FONTS**.
4. Select disk drive and directory where the font is located.
5. Follow the procedure of Windows' manual / help information for installing fonts.

Font Definition

Preserved Symbols in Bach

!+/?()[] { } ; : , ' " 0 1 2 3 4 5 6 7 8 9
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z

Unique Symbols in Bach

Musical symbols are located in the area where all the characters for numbers and standard alphabetical characters (except "X") are not located.

Some symbols have narrower kerning width than their character width. This is to allow overlapping two or more characters to create specific symbols. Bach uses this concept to increase the variety of musical symbols. Narrowing kerning width are applied for the following reasons:

- * Most beamed notes and rests have the provisions of a dotted pattern. Thus where the dot is not required, a space must be provided;
- * Most ornaments are made up by the combination of various components, some by overlapping on to another;
- * Numeric time-signatures consist of two numerals;
- * The schenkerian caret overlaps on the following character.

Please read the following on-line documents:

BACH_SYM.WRI - Classified index of music symbols in Bach.
BACHSMPL.WRI - Sample of musical notation created by Bach.
BACHANSI.WRI - Bach symbols arranged according to ANSI code

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| or | @ US\$20.00 | _____ |

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|--------------------------|-----------|-------|
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| within EEC | @ £ 2.50 | _____ |
| from USA | @ \$ 5.00 | _____ |
| other countries (by air) | @ £ 4.00 | _____ |

Total: _____

| | | |
|------------------------|--------------|--------------|
| Disk Size (circle one) | 5.25" (360k) | 5.25" (1.2M) |
| | 3.5" (720k) | 3.5" (1.44M) |

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