



SecurePay™ Fontware

User Guide

Guide de l'utilisateur

Bedienungsanleitung

Guía del usuario

Guida dell'utente

Guia do usuário

Användarhandbok

Руководство пользователя

Podręcznik użytkownika

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Introduction

Morovia SecurePay™ Fontware allows customers to print payee names and convenience amount in a hard-to-forge matter to increase security of the printed check and reduce potential forgery and fraud. True type and PostScript type 1 fonts, for PC and Macintosh, are included in a single zip file. PCL soft fonts are also included in the same package.

If you are working in a Windows operating system, running the setup wizard by double clicking the setup.exe. Follow the instructions to install the product.

If you are working on other platforms, read section *Using SecurePay™ fonts on other platforms* before proceeding.


After you complete the font installation, read the next section, *Using SecurePay Fonts*, for information about the character shape and mapping.

Morovia SecurePay Fontware contains the following 16 typefaces:

MRV SecurePay1	MRV SecurePay1A	MRV SecurePay3	MRV SecurePay4
MRV SecurePay2	MRV SecurePay2A	MRV SecurePay3A	MRV SecurePay4A
MRV SecurePay5	MRV SecurePay5A	MRV SecurePay7	MRV SecurePay8
MRV SecurePay6	MRV SecurePay6A	MRV SecurePay7A	MRV SecurePay8A

The character printed from typefaces with capital letter A has exact the same pattern and background as the counterpart typefaces without A, except the printed character has micro-print beneath.

Every typeface within the package contains the following characters:






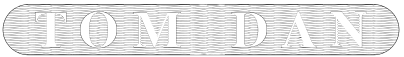

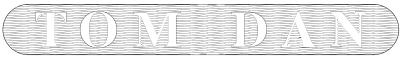


















- Capital letters A-Z
- Digits 0-9
- Currency symbols (dollar, cent, yen, pound and euro)
- Two padding symbols(left arrow and blank)
- Three types of enclosure symbols
- Two Special Check symbols **PAY to** and  Security Features Included
the order of







Using SecurePay Fonts

Introduction

Morovia SecurePay™ Fontware includes sixteen different fonts for printing checks. Each font contains characters to print convenience amount, payee names and special check symbols. The sixteen fonts are divided into two categories: these whose typeface names end with capital case A print convenience amount with microprint underneath. We recommend you print at a larger point size (16 to 24) when using SecurePay™ fonts.

Typeface Samples

Typeface	Sample (Convenience Amount)	Sample (Payee name)
MRV SecurePay1		
MRV SecurePay1A		
MRV SecurePay2		
MRV SecurePay2A		
MRV SecurePay3		
MRV SecurePay3A		
MRV SecurePay4		
MRV SecurePay4A		
MRV SecurePay5		
MRV SecurePay5A		
MRV SecurePay6		
MRV SecurePay6A		
MRV SecurePay7		






MRV SecurePay7A		
MRV SecurePay8		
MRV Securepay8A		

Special Symbols

In addition to all numeric characters, capital characters, every font include these characters to print special symbols:



Currency symbols





Morovia SecurePay™ Fonts include these currency symbols: dollar (\$), cent, yen, pound and euro (€). They are mapped to character \$, c, y, l and e respectively. For example, to input the euro sign, you just need to type lower case e.

Symbol	Mapped to	Sample
Dollar	\$	
Cent	c	
Yen	y	
Euro	e	
Pound	l	


Enclosure Symbols

Every SecurePay™ font comes with three different shapes of enclosure symbols. They can be inputted by typing three types of brackets: parenthesis, square brackets and angle brackets.


Symbol	Left	Right
Angle Enclosure		

Square Enclure		
Arc Enclosure		

US Check Symbols

Two U.S. check symbols, **PAY** to the order of , are also included in every font file. They are mapped to lower case p and s.

Padding Symbols

Most of Windows applications assume that SPACE character generates a blank space. To avoid conflicts, in SecurePay™ fonts the SPACE character produce the blank space. Two padding symbols are included in every typeface to produce padding. The equal sign (=) produces a right arrow padding  the background in line with the background of other characters in the same typeface. The dash symbol (-) produces an empty padding with background matching other characters in the same typeface.

Printing Convenience Amount


To print the amount, simply add the enclosure symbol at the beginning and the end of amount. For example, to print the amount \$12.99 you can use

[\$12.99] or <\$12.99> or (\$12.99)

Format with typeface SecurePay8A, you get



Optionally you can add padding symbols (- and =) or asterisk * to make a fixed length.

For example, (== \$12.99-) produce 

And (**\$12.99==) produce 

Printing Payee Names

Same as the way you print convenience amount, you first choose the SecurePay™ font to use. The padding symbols also apply. To print the “pay the order of” text, use lower case p. To add a space, type the dash symbol.

















































































































































For example, p[==TOM-HOSKINS] produce **PAY** to the order of 









































































































































































Sample U.S. Check

































































































































A Microsoft Word template for US checks is included in SecurePay package. Note that in order to print MICR strip, which is the most of important part of the check, you need to have a Morovia MICR font installed in your computer. For more information about MICR fonts, visit <http://www.morovia.com/font/micr.asp>.

Character Mapping

The following details every character included in the SecurePay™ fonts.

Character	SecurePay Fonts							
	1, 1A	2, 2A	3, 3A	4, 4A	5, 5A	6, 6A	7, 7A	8, 8A
0	 ZERO	 ZERO	 ZERO	 ZERO	 ZERO	 ZERO	 ZERO	 ZERO
1	 ONE	 ONE	 ONE	 ONE	 ONE	 ONE	 ONE	 ONE
2	 TWO	 TWO	 TWO	 TWO	 TWO	 TWO	 TWO	 TWO
3	 THREE	 THREE	 THREE	 THREE	 THREE	 THREE	 THREE	 THREE
4	 FOUR	 FOUR	 FOUR	 FOUR	 FOUR	 FOUR	 FOUR	 FOUR
5	 FIVE	 FIVE	 FIVE	 FIVE	 FIVE	 FIVE	 FIVE	 FIVE
6	 SIX	 SIX	 SIX	 SIX	 SIX	 SIX	 SIX	 SIX
7	 SEVEN	 SEVEN	 SEVEN	 SEVEN	 SEVEN	 SEVEN	 SEVEN	 SEVEN
8	 EIGHT	 EIGHT	 EIGHT	 EIGHT	 EIGHT	 EIGHT	 EIGHT	 EIGHT
9	 NINE	 NINE	 NINE	 NINE	 NINE	 NINE	 NINE	 NINE
A	 A	 A	 A	 A	 A	 A	 A	 A
B	 B	 B	 B	 B	 B	 B	 B	 B
C	 C	 C	 C	 C	 C	 C	 C	 C
D	 D	 D	 D	 D	 D	 D	 D	 D
E	 E	 E	 E	 E	 E	 E	 E	 E
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\$	 DOLLAR	 DOLLAR	 DOLLAR	 DOLLAR	 DOLLAR	 DOLLAR	 DOLLAR	 DOLLAR
c	 CENT	 CENT	 CENT	 CENT	 CENT	 CENT	 CENT	 CENT
l	 POUND	 POUND	 POUND	 POUND	 CENT	 POUND	 POUND	 POUND

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Using SecurePay™ fonts on other platforms

Morovia SecurePay™ Fontware includes fonts to be used on other platforms with no additional charge, including:

- True type font for Classic Macintosh
- Type 1 PostScript fonts for Classic Macintosh
- True type font for Windows
- Type 1 PostScript fonts for Windows
- Type 1 PostScript fonts (pfa) for Unix

Morovia SecurePay Fontware is packaged in a single zip file to accommodate different operating platforms. An unzip utility is needed to extract the files from the ZIP.

Unzip Utility

Windows XP comes with a zip utility built in with the Windows explorer. With the built-in unzip feature you can open the zip file in a way similar to opening a file folder. Earlier versions Windows user can use any zip tools, including Winzip (<http://www.winzip.com>) and WinRAR (<http://www.rarlab.com>).

On Macintosh, you can download StuffIt Expander (<http://www.stuffit.com>). The basic expander edition is free.

Although unzip utilities look different, most of them support drag and drop operations. You may select all the files (including sub-folders), dragging and dropping them into a local folder to move the files from the zip file to your local disk.

Mac OS X Users

The Macintosh operating system has undergone great improvement at the debut of OS X. While the classic true type font format is still supported, it is not recommended and the fonts may not be available to all applications. The recommend method is to install the Windows true type font directly, without using MacBinary.

To Install the Font

1. Download and install StuffIt Expander if you do not have a ZIP utility installed in your system. StuffIt Expander is free and can be downloaded from <http://www.stuffit.com/mac/expander/index.html>. When download completes, double click the icon in the desktop to install StuffIt Expander.
2. Download the Fontware from Morovia web site. Unpack the ZIP by dragging downloaded ZIP into the StuffIt Expander icon. StuffIt generates another folder under which you can find a directory named Macintosh. Double click to open the Macintosh subfolder.
3. At this stage, do not go to the Macintosh sub folder. Instead, double click the Windows subfolder to open it. All the true type files (Windows version) can be found there.
4. Drag the file you want to install to the Library/Fonts folder.
5. The font is now ready to use.

To Remove the Font

To remove the fonts installed, just drag and file from the System folder to the trash can.

Mac Classic Users

On a Mac Classic operating system (those Macintosh prior to OS X), the font file must be packed in a special format called MacBinary. This format preserves the fork resource, which is required by the operating system. Before you can install the true type file you need to unpack the binary file first. This can be done by double clicking the binary file.

Install Fonts

1. Download and install StuffIt Expander if you do not have a ZIP utility installed in your system. StuffIt Expander is free and can be downloaded from <http://www.stuffit.com/mac/expander/index.html>. When download completes, double click the icon in the desktop to install StuffIt Expander.
2. Download the Fontware from Morovia web site. Unpack the ZIP by dragging downloaded ZIP into the StuffIt Expander icon. StuffIt generates another folder under which you can find a directory named Macintosh. Double click to open the Macintosh subfolder.
3. At this stage you may go ahead to unpack the MacBinary file or read the readme file. The readme file can be opened in SimpleText.
4. Choose the font file you are going to install. Double click the bin file. The system generates another file with font icon. You have successfully decode the font.
5. Double click the Macintosh Hard Disk icon in the desktop then double click the System Folder and the Font Folder. To make the font available to the system, drag and font file into the font folder.
6. Reboot the system. The font is now ready to use.

Remove the font

To remove the fonts installed, just drag and file from the System folder to the trash can.

UNIX Users

We provide PostScript fonts, ASCII format (pfa extension). However, the installation procedure varies greatly from one platform to another. Installing Postscript fonts on UNIX platforms require administrative privilege. Furthermore, unlike Windows and Macintosh, the X-window system does not offer a unified programming interface for displaying and printing.

Morovia does not provide support on installing and using fonts on Unix platforms.

If you are not familiar with X-window programming, we recommend you use a PCL soft-font based solution instead.

PCL Printer Fonts

To print SecurePay™ symbols from other platforms, we include the PCL fonts with the package. The PCL fonts offer an advantage to print SecurePay™ symbols on a legacy mainframe system. All you need to do is to modify the existing application to send font to the printer, select the font and using the font. No complicated GDI drawings are involved.

The PCL fonts are bitmapped based – each font file corresponds to one specified point size and resolution. We generate PCL fonts from our in-house utility and can generate a font with any size you want. Within the package, fonts corresponds to point size 14, 16, 18 and 24 points are provided; if you need a custom size we can also generate for you without additional charge.

The test.bat, running under DOS, demonstrates how to send, select and use the font to print SecurePay™ symbols.

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