

Magnetic Ink Character Recognition CMC7 Font for Cheque Printing

ConnectCode MICR CMC7

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1. WHAT IS MICR

1.1 MICR (Magnetic Ink Character Recognition)

MICR is a character recognition system that is widely used in the banking industry for cheque processing. It involves using a stylized font and magnetic ink to print characters in a document. When this document needs to be decoded, it passes through a special machine or equipment, which magnetizes the ink and then translates the magnetic information into characters. If required, the same information in the document can also be read optically through OCR. Over the years, MICR has been proven to be a secure and high performance mechanism for processing information.

The numbers typically found on the bottom of a cheque comprising of the cheque number, sort number and account number are usually printed in magnetic ink for use in MICR.

1.2 ConnectCode CMC7

ConnectCode CMC7 is a Magnetic Ink Character Recognition font based on the **CMC7 (ISO 1004)** industry standard. This is a widely accepted standard throughout Europe, South America and many other countries. The character set of this standard comprise of ten numbers (0..9), five special symbols and twenty-six letters.



1.3 Standard Font

Font File Name - ConnectCodeCMC7.ttf (The file is CCodeCMC7T.ttf for the trial version)

Font Name - CCodeCMC7 (The font name is CCodeCMC7T for the trial version)

Font Size - 12 Points (**Fixed**)

*Note : The characters 2 and 7 of the **trial fonts** have the equal sign (=) added before them.*

Character	CMC7
2	
7	

ConnectCodeCMC7 font supports all the four heights specified in the ISO 1004 specifications. The following table shows the different dimensions supported.

Font File	Font Name	Height (MM)	Height (Inches)
ConnectCodeCMC7IT	CCodeCMC7IT	3.20	0.126
ConnectCodeCMC7IIT	CCodeCMC7IIT	3.00	0.1181
ConnectCodeCMC7IIIT	CCodeCMC7IIIT	2.85	0.1122
ConnectCodeCMC7IVT	CCodeCMC7IVT	2.70	0.1063

The standard trial font ConnectCodeCMC7T is exactly the same as ConnectCodeCMC7IT.

2. Character Mapping

Font Character	Represented Character	Font Character	Represented Character
0	0	L	ll
1	1	M	ll
2	2	N	ll
3	3	O	0
4	4	P	ll
5	5	Q	ll
6	6	R	ll
7	7	S	ll
8	8	T	ll
9	9	U	ll
A	A	V	ll
B	B	W	ll
C	C	X	ll
D	D	Y	ll
E	E	Z	ll
F	F	a	ll
G	G	b	ll
H	H	c	ll
I	I	d	ll
J	J	e	ll
K	K		