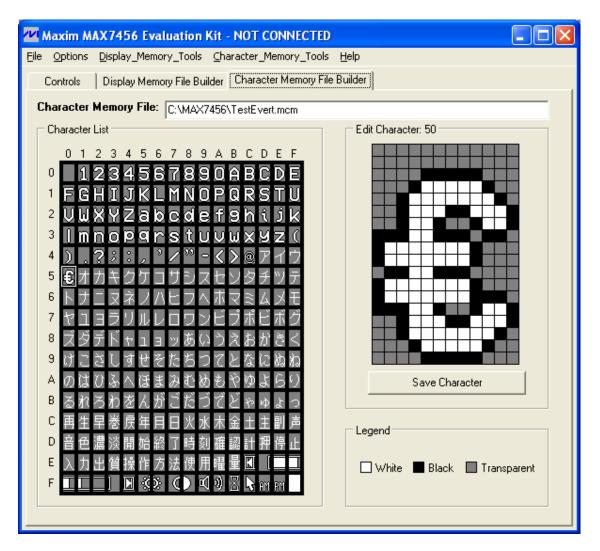
Max7456 -> Bascom Converter

How to convert Max7456 *.mcm (Maxim character memory) files to Bascom data file. Install and run the Maxim Character evaluation kit. Strange name for software but we know now what we need.

🚧 Maxim MAX7456 Evaluation Kit - NOT CONNECTED 📃 🗖 🗙
<u> Eile Options Display_Memory_Tools Character_Memory_Tools Help</u>
Controls Display Memory File Builder Character Memory File Builder
Character Memory File: C:\MAX7456\TestEvert.mcm
Character List Edit Character:
0 1 2 3 4 5 6 7 8 9 A B C D F F
Openen ? 🔀
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DEMO.MCM Image: A state of the stat
TestEvert.mcm
Bestandsnaam: TestEvertpenen
Bestandstypen: Maxim MAX7456 Character Memory File (*.m 💌 Annuleren haracter
C 再生早卷庚年月日火水木金土主副声
P 音色濃淡開始級了時刻確認計押停止
E 入力出質操作方法使用曜量型【□□□ White ■ Black □ Transparent

When the software start's it will ask you to connect to the evaluation kit, choose "do not connect".

Go to the tab "Character memory file builder" and choose open file trough the file menu. Open now your mcm file.



Now you can edit, copy, delete your own characters. When finished save your mcm file.

In the character list you see at the top and left side the character number. Remember or write down these numbers, we need them later in the converter and in Bascom.

The character numbers and you can also see the number above the character that you are editing now.

In this sample I have made character &H50 euro symbol €.

Max7456 -> Bascom Character conver	tor. Ver:1.0.0 by Evert dekker 2009 🛛 🔀
Input filename C:\MAX7456\TestEvert.mcm Output filename C:\MAX7456\TestEvert.Bas	
Convert character From 80 = H50 Start To 82 = H52 Copy to clipboard 3 Characters will be exported	

Now we ready to convert the characters to Bascom data.

Start-up Max7456 Converter and select the mcm with the = button behind input filename. The output filename will get by default the same path and filename but with the extension BAS.

Filename and path can be changed with the = behind the output filename.

Choose now witch characters should be converted. In my example we would like to convert the euro symbol (&H50) and also symbol &H51 &H52.

Press the start button and voila...

	Input filename C:\MAX7456\TestEvert.mcm Output filename C:\MAX7456\TestEvert.Bas Convert character From 80 = H50 To 82 = H52 3 Characters will be exported	E start	Customcharacter: 'Total of 3 characters in this datatable Data &H50 ' Character 80 Data &H55,&H55,&H55,&H55,&H55,&H55,&H55,&H55	
Ready			Data &H55,&H55,&H55,&HAA,&H55,&H55,&H56,&H59 Data &H55,&H55,&H55,&H55,&H55,&H55,&H55,&H55	~
Charac	ters are converted and exported to	o the outputfile.	1	

The output bas file is generated and ready to be used.

Data table is also be copied to the clipboard so you can pass it direct into your Bascom code with "paste" or Crtl+V.

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Max7456.bas	×			
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Now we have the data in Bascom and with this we can program the Max7456 with our own characters.

The second line in the data table contains a rem line with the total characters that are in these table, this is needed when calling the sub **Writecustomcharacter**, this sub expect the number of characters that need to programmed in the Max7465.

In this case 3 characters so we can call it with;

Call Writecustomcharacter(3) or

Writecustomcharacter 3

The Max7465 has NVM memory (eeprom) so the custom character set needs to be programmed only ones. You can remove the data lines when done, saves you a lot flash in the AVR.

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Because the character table used by the Max7456 uses not the same ASCII number as we used to, there's a lookup table in Bascom. In this table we need to connect our custom character to an ASCII character.

In this sample &H50, our homemade euro symbol is connected to ASCII 43 "+".

Characters with "(not exist)" doesn't exist in the Max7456 character table and will shown "?" &H42 or you can use them for your own character.