

Customize the SDCC Default Library

The SDCC Library comes with all standard libraries and functions of C.

Some of them, are not compatible with the MSX: GETCHAR, PUTCHAR and PRINTF functions are not working with MSX, that's why we need to replace these default functions by their equivalent for MSX-DOS.

The FUSION-C provide KONAMIMAN's GETCHAR, PUTCHAR, and PRINTF functions adapted to the MSX-DOS.

Once you have installed SDCC you must delete the original functions from the SDCC's Z80 Library.

On Mac OS :

Open your Shell/Terminal and go to the default Z80 library folder:

/usr/local/share/sdcc/lib/z80/

Type these commands:

```
> cp z80.lib z80.save  
> sdar -d z80.lib printf.rel  
> sdar -d z80.lib sprintf.rel  
> sdar -d z80.lib vprintf.rel  
> sdar -d z80.lib putchar.rel  
> sdar -d z80.lib getchar.rel
```

Now we have a saved copy of the original z80.lib file, and the original functions that don't work are removed from the library we will use.

On Windows :

Open your Dos window and browse to the default Z80 library folder :

C:\Program Files\SDCC\lib\z80

Type these commands:

```
> copy z80.lib z80.save  
> sdar -d z80.lib printf.rel  
> sdar -d z80.lib sprintf.rel  
> sdar -d z80.lib vprintf.rel  
> sdar -d z80.lib putchar.rel  
> sdar -d z80.lib getchar.rel
```