Quick Start Guide for I-7188XC

July 2012, Version 1.0

Congratulations!

Congratulations on purchasing I-7188XC. This Quick Start Guide will provide information needed to get started. Please also consult the User Manual for detailed information on the setup and use of I-7188XC.

What's In the Box?

In addition to this guide, the package includes the following items:

I-7188XC	Software Utility CD	RS-232 Cable (CA-0910F)	Screw (1C016)

Technical Support

- **7188XC_Manual_English.pdf/7188XC_Manual_Chinese.pdf**

  CD:\Napdos\7188XABC\7188XC\Document

  http://ftp.icpdas.com/pub/cd/8000cd/napdos/7188xabc/7188xc/document/

- **I-7188XC Website**

  http://www.icpdas.com/products/PAC/i-7188_7186/i-7188xc.htm

- **ICP DAS Website**

  http://www.icpdas.com/

1 ---
Software Installation

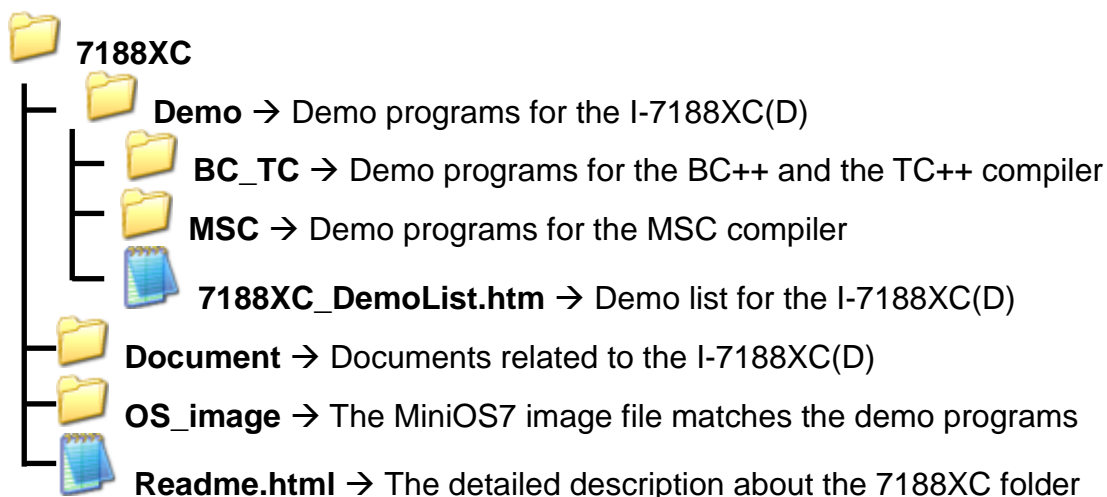Step 1: Insert the companion CD into the CD drive.

Step 2: Copy the 7188XC folder from **CD:\Napdos\7188XABC** to the Hard Drive of the Host PC.

Step 3: Install the MiniOS7 Utility.

Locate and execute the **minios7_utility_vXXX.exe** file from CD:\NAPDOS\MINIOS7\UTILITY\MiniOS7_utility\ folder or http://ftp.icpdas.com/pub/cd/8000cd/napdos/minios7/utility/minios7_utility/

Step 4: Copy the **7188xw.exe** file from the CD:\Napdos\MiniOS7\utility\ folder to the PATH directory, for example **C:\Windows**.

After all the software is copied to the Host PC, the content of 7188XC folder should be as follows:

📁 **7188XC**
- 📁 **Demo** → Demo programs for the I-7188XC(D)
  - 📁 **BC_TC** → Demo programs for the BC++ and the TC++ compiler
  - 📁 **MSC** → Demo programs for the MSC compiler
  - 📄 **7188XC_DemoList.htm** → Demo list for the I-7188XC(D)
- 📁 **Document** → Documents related to the I-7188XC(D)
- 📁 **OS_image** → The MiniOS7 image file matches the demo programs
- 📄 **Readme.html** → The detailed description about the 7188XC folder

Note: The 7188xw.exe file is used as a bridge between the I-7188XC(D) and the Host PC. Therefore, the 7188xw.exe file must be copied to the "C:\Windows\" folder to allow it to be executed from any location.

# 2 ---
Connecting the Download Cable to the Host PC

Step 1: Connect the CA0910F download cable between COM1 of the I-7188XC(D) and the COM Port of the Host PC, as shown in the diagram below.

Step 2: Apply power (Vs+, GND) to the I-7188XC(D). Vs+ can be in a range from +10V to +30V DC.
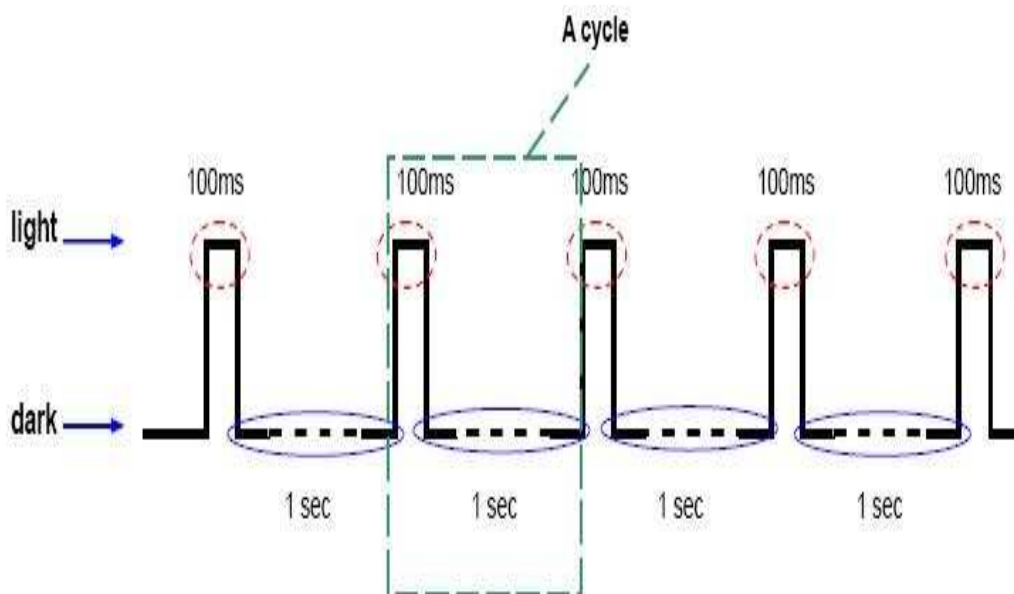
5-digit 7-SEG LED   **Red LED**
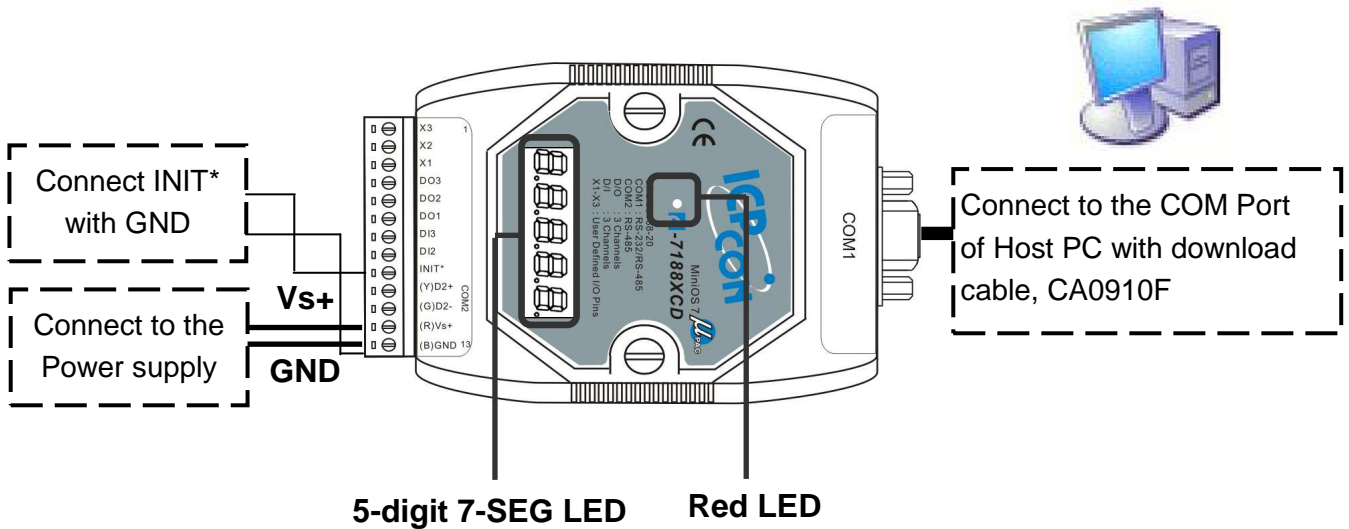
Step 3: After applying the power, the 5-digits of the 7-SEG LED will continuously show as follows.

| Hour | Minute | Second |
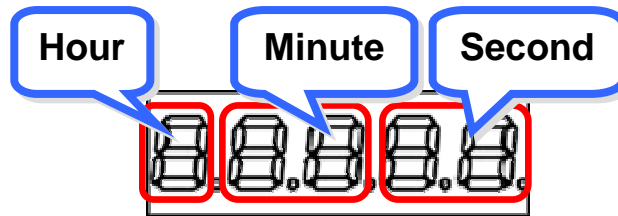
If the non-display version of module is being used, please continue to the next step.

Step 4: Check that the red LED continuously blinks one times and wait for one second to next cycle. The diagram show as follows:

Note: Only the display version of the module will include a 5-digit 7-SEG LED.

3 Downloading Programs to the I-7188XC(D)

Before using the MiniOS7 Utility, ensure that the download cable is connected from the Host PC to the I-7188XC(D) and ensure that no other programs are running on the I-7188XC(D).

The program download procedure is as follows:

Step 1: From the Windows START menu, go to Programs/ICPDAS/MiniOS7 Utility Ver XXX/and locate the **MiniOS7 Utility Ver XXX**.
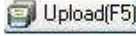

Step 2: Press ▶ Connection ▾ and Select "New connection". Choose the right COM port and set other parameters. Click **OK** button and the utility will search module automatically.
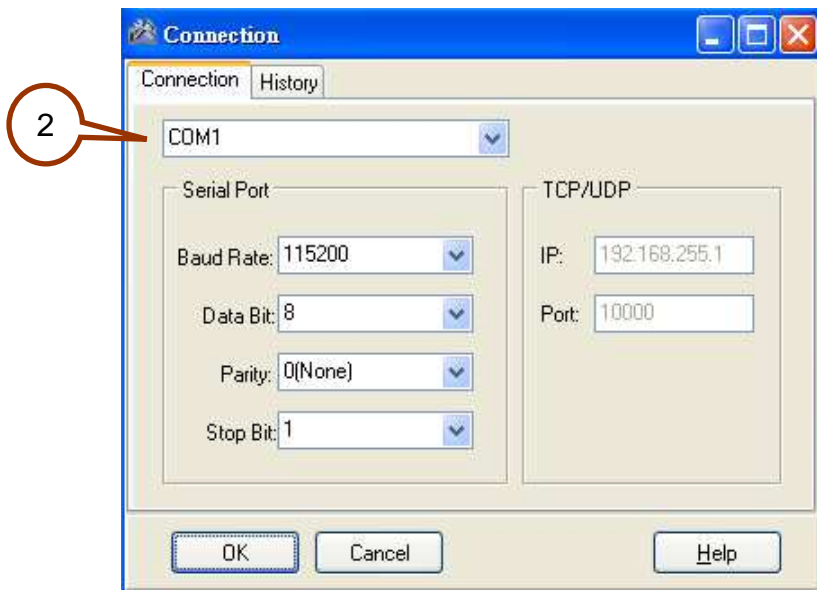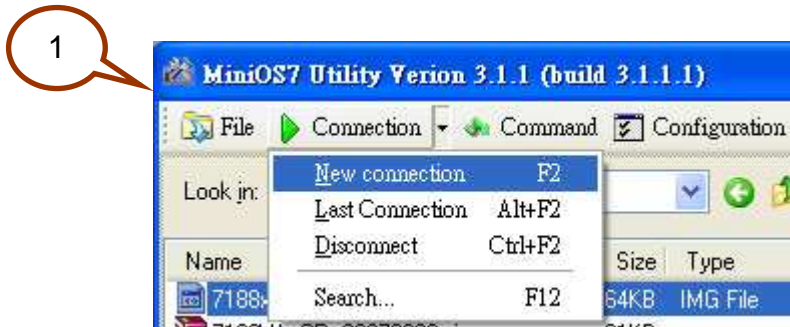

Step 3: See if the MiniOS7 Utility connects with I-7188XC. The connected icon is [icon] . The disconnected icon is [icon]
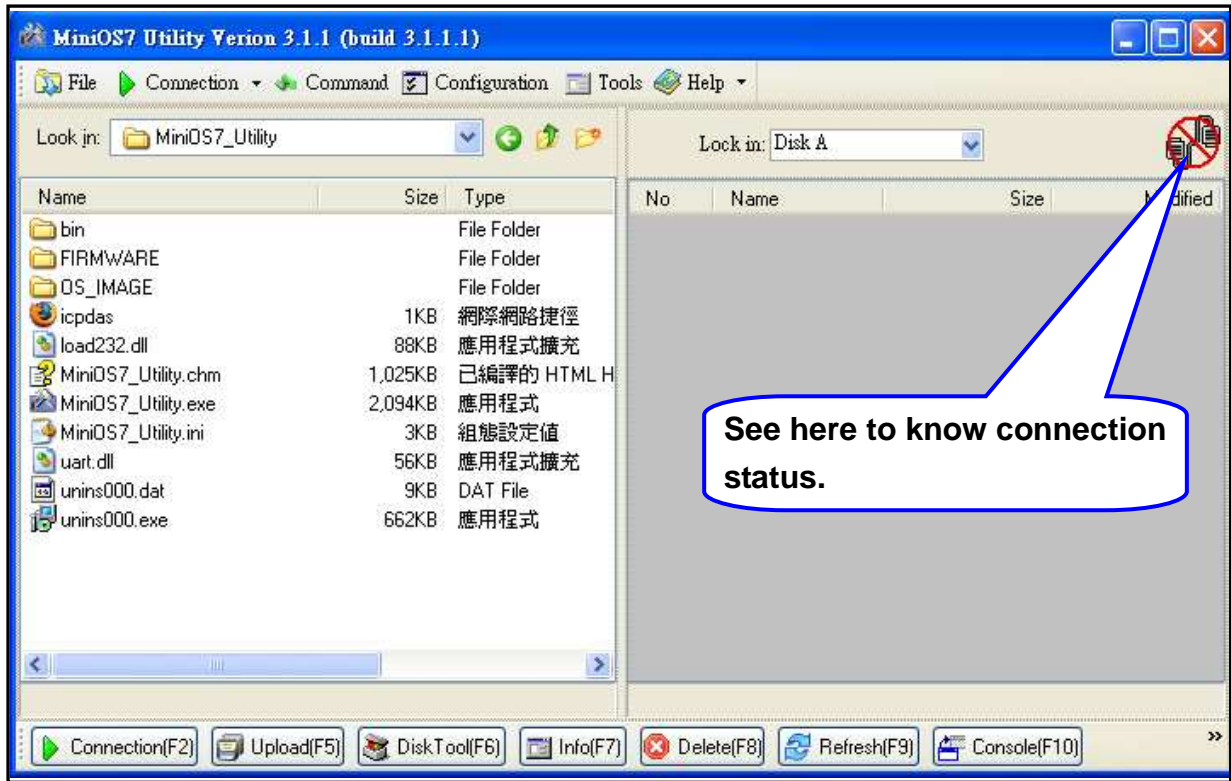
Step 4: Select the file to load from left side and click [Upload(F5)] to load file into module or draw the file to the right side.

Host PC file list

I-7188XC(D) file list

Upload(F5)
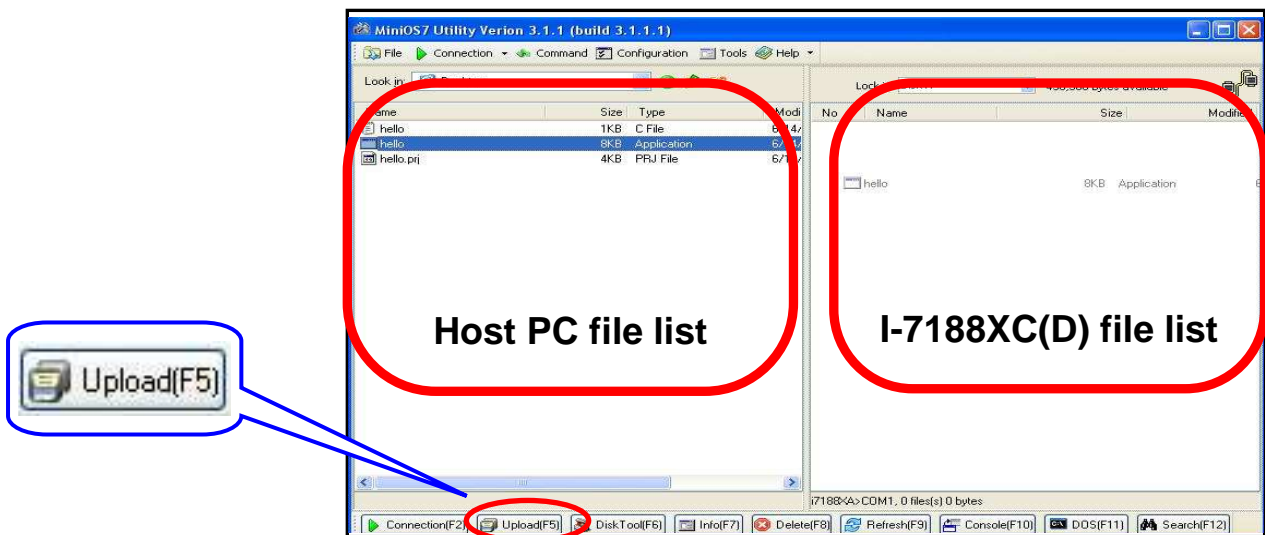
Step 5: Select the file and then press the right mouse button. Choose the **Run** and press to execute the program.
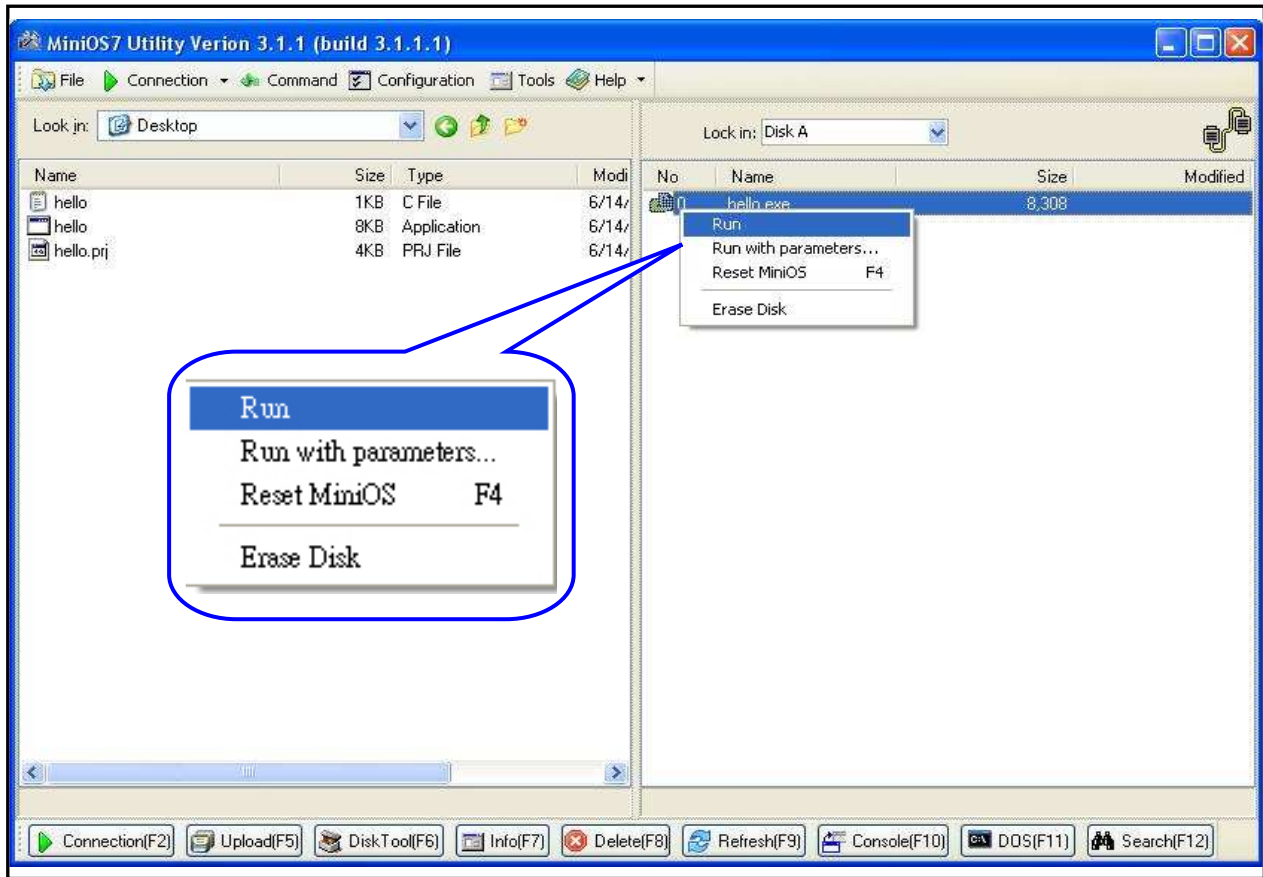
Step 6: The result of the program will be shown in 7188xw window.
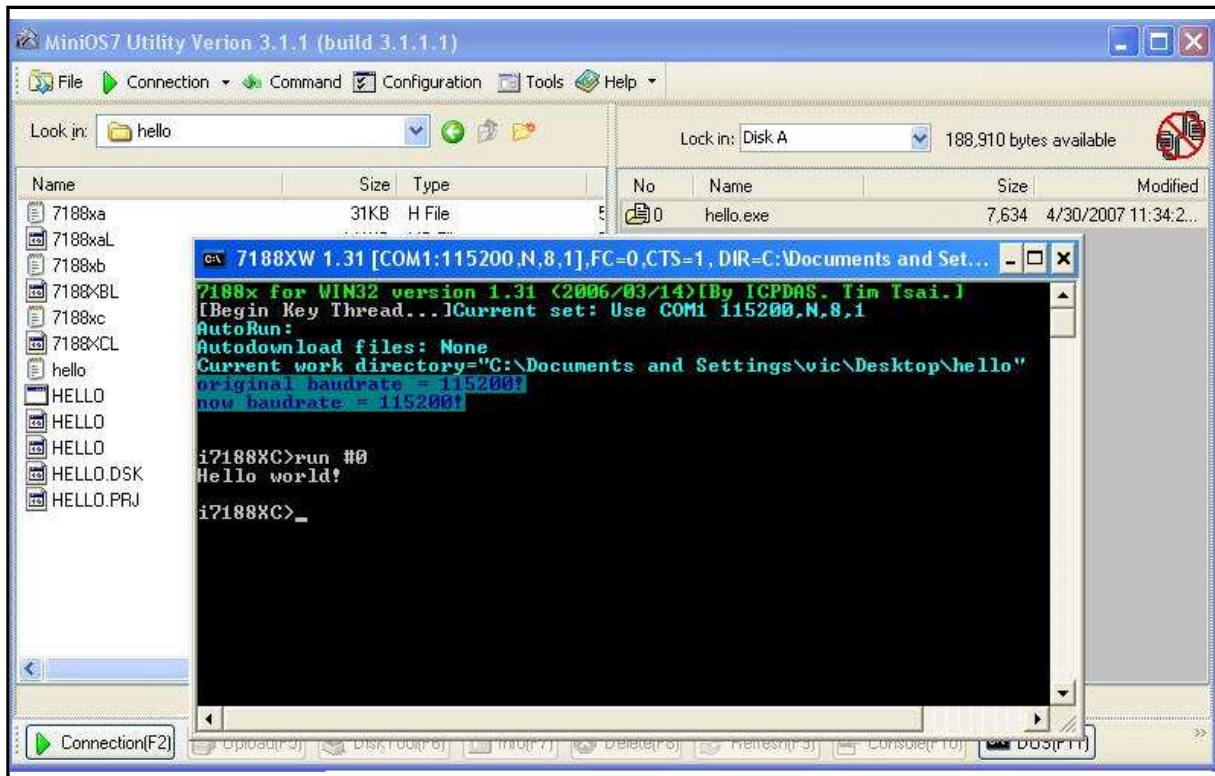
NOTE: The 7188xw window has to be closed and then the download operation (Step 4) could be done.

The content of the Hello.c file is as follow:

```c
#include "7188xc.h"      /* Include the headers to use 7188xcl.lib
                                      functions */
void main(void)
{
    InitLib();                      /* Initiate the 7188xc library */

    Print("Hello world!\r\n");     /* Print the message on the screen */
}
```