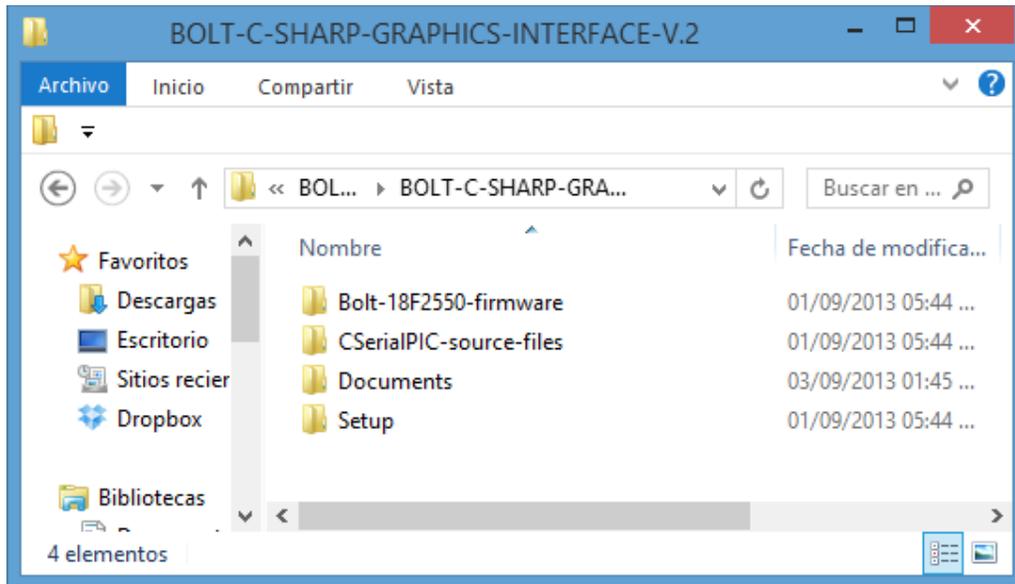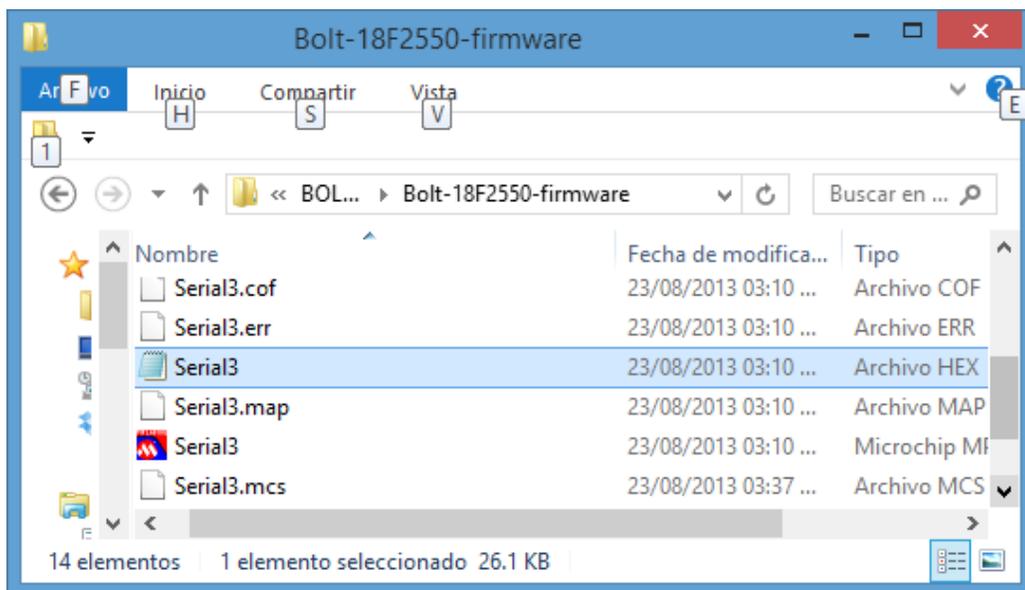# C Sharp PC Sofware for remote control of Bolt 18F2550 system through its serial port.

User manual
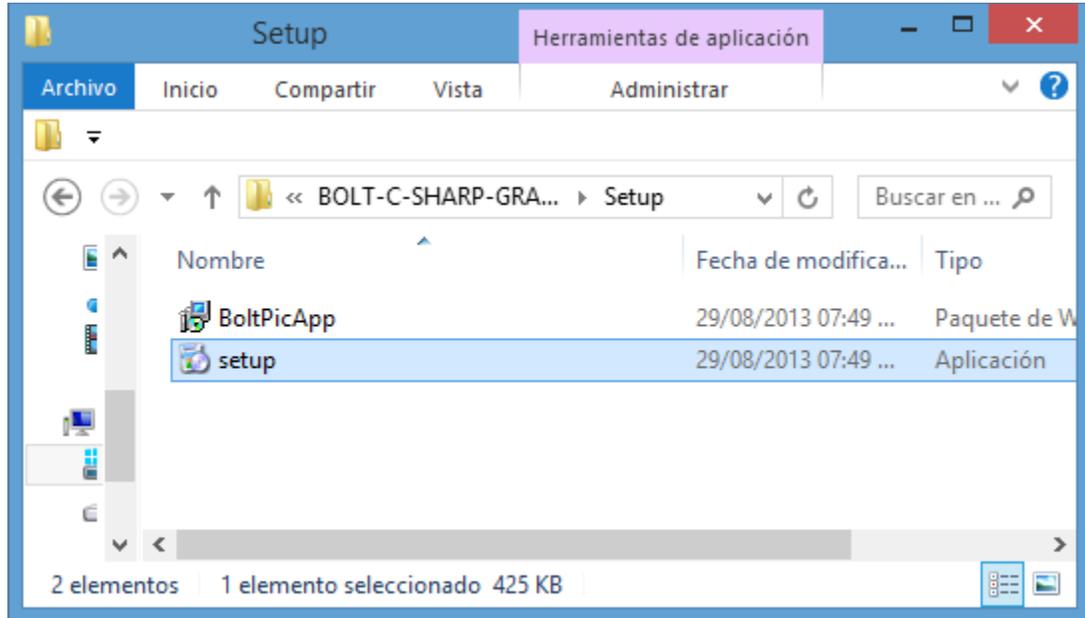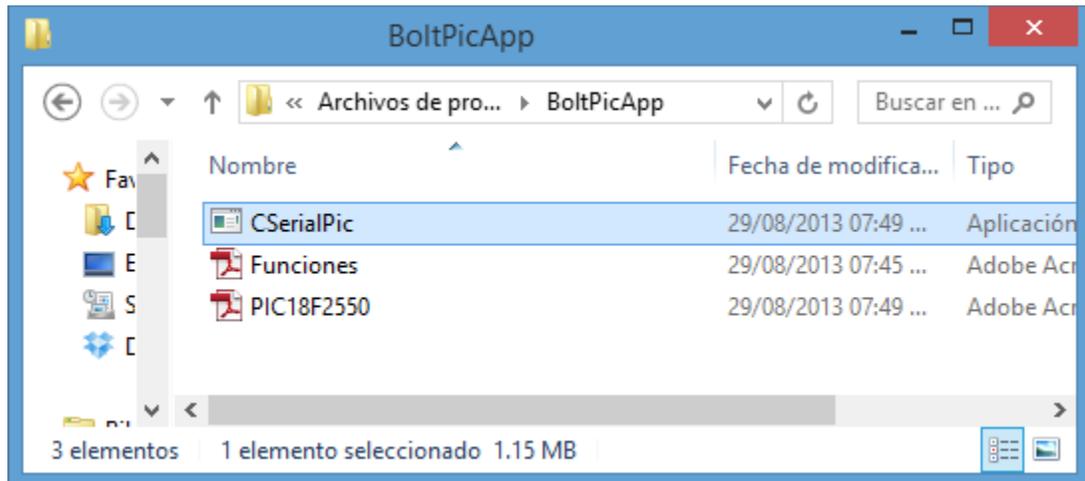
1. **Download folder of Project:**

2. **Load firmware file "Serial.hex" to Bolt 18F2550 board using Bolt v.1.0.2 software**

3. **Install C Sharp software clicking on the setup file. Once installed, the application file will be stored in path: C:\Program Files (x86)\BoltPicApp**

Name of Application file is: *CSerialPic.*

4. **Connect a USB-Serial cable from the PC to Bolt 18F2550 board and install drive.**
5. **Connect LCD to Bolt board as shown in photo.**
6. **Power Bolt 18F2550 board with a wall transformer, so that – as an option- you may use a long serial cable, up to 15 meters to control the Bolt board or a Bluetooth interface.**

7. **Push reset button of Bolt 18F2550 board.**
8. **Reconnect the USB connector of the USB-Serial cable to your PC.** *You must hear the special sound from your PC indicating that this device was properly recognized.*
9. **Open C Sharp application software "CSerialPic.exe" and you will see in your PC the image shown in photo. Software is plug and play and detects COM port automatically.**
10. **On the picture, click on any device to remotely control Bolt system: the led relay, each of the 8 leds B0..B7, the temperature sensor, the microswitches and the reset button. You may also write a text message to transmit to the LCD of the remote system. See image of all functions in following page.**

Available functions in C Sharp PC Sofware for remote control of Bolt 18F2550 system through its serial port.

1	COM serial port Plug and Play detection
2	Remote reset to Bolt system
3	Click to read decimal value of microswitches
4	Click to read temperature in centigrades
5	Click to activate/ deactivate Relay
6	Click to activate/ deactivate selected led
7	In this box, user may write text to send to LCD in Bolt system

Use this program as a PC graphics interface for remote control applications of Bolt 18F2550 system.

● **With a DB9 serial cable, up to a distance of 15 meters.**

● **With a Bluetooth link up to distances of 10 to 100 mts.**

Source files of C Sharp software and firmware for Bolt 18F2550 system are available in folder.

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