



SP12 serial programmer software

SP12: A serial programmer for working with all Atmel AVR 8-bit microcontrollers.

SP12 supports the following devices: AT90S1200, AT90S2313, AT90S8515, AT90S4414, AT90S2323, AT90S4434, AT90S8535, AT90S2343, ATtiny22, AT90S2333, AT90S4433, ATtiny12, ATtiny13, ATtiny15L, ATtiny26, ATtiny25, ATtiny45, ATtiny85, ATtiny2313, ATtiny861, ATmega103, ATmega603, ATmega161, ATmega162, ATmega163, ATmega168, ATmega8515, ATmega8535, ATmega8, ATmega16, ATmega32, ATmega48, ATmega88, ATmega128, ATmega2561, AT90PWM3.

- Source: [Pitronics](#)
- [Download](#) the latest SP12 version here.

SP12 on Win2000 / WinXP:

If you are trying to run SP12 on Windows 2000 or Windows XP you will find out it won't work. What you need is a modified version of SP12 and a driver called GIVEIO. Here you can [download](#) a complete package. Put the file *giveio.sys* in (Win 2000):

C:\WINNT\System32\Drivers\

Now type in the prompt: `instdrv giveio.sys`
`c:\winnt\system32\drivers\giveio.sys`.
 Then hit enter to install the giveio driver (can take a moment) When that's accomplished, you should be able to run SP12 as its [documentation](#) describes.

Goodluck!

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Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-1999 Microsoft Corp.

C:\>instdrv giveio.sys c:\winnt\system32\drivers\giveio.sys
failure: CreateService, ERROR_SERVICE_EXISTS
StartService SUCCESS
Can't get a handle to \\.\giveio.sys

C:\>sp12 -t
SP12 version 2.0.7 performing init...
Path to _sp12rc and _sp12dev: Local directory
Running in SP12 cable/dongle compatible mode.
(<->)iming check, about 10 seconds
oooooooooooooooooooooooooooooooooooooooooooooooooooooooooooo STOP
Writing 0000 (0, B00000000) to the parallel port data bits.

C:\>sp12 -i
SP12 version 2.0.7 performing init...
Path to _sp12rc and _sp12dev: Local directory
Running in SP12 cable/dongle compatible mode.
Enabling AVR serial reading/programming...
Sp12 tried 32 times to find a working device.
The device code bytes 0,1,2: 0x1e, 0x91, 0x1 were read
from parallel port 0x378 and indicate the following:
You have connected an AT90S2313
The device was made by Atmel

Writing 0000 (0, B00000000) to the parallel port data bits.

C:\>
  
```

Running SP12 in the Windows 2000 Command Prompt.