SP200S USER GUIDE

First, synopsis

The SP200S programmer is in the SP180S programmer foundation which　welcome improves the design a model of programmer, uses USB directly the connection communication and supplies power, the volume is exquisite, the software and the hardware design is mature, the function is perfect. May support TMEL/WINBOND/SST Corporation commonly used MCS51 series monolithic integrated circuit, supports company 24, 93 series serial storages and so on ATMEL/MICROCHIP/ST. Strengthens the version also to have the standard ISP downloading connection, may support ATMEL Corporation MCS51 series and AVR series monolithic integrated circuit online downloading programs (ISP). Not only the SP200S programmer may satisfy the monolithic integrated circuit amateur and the development personnel studies and develops 51, AVR monolithic integrated circuit use demand, also the very suitable electrical appliances servicemen fever to write the 93x series, 24x the series EEPROM demand.

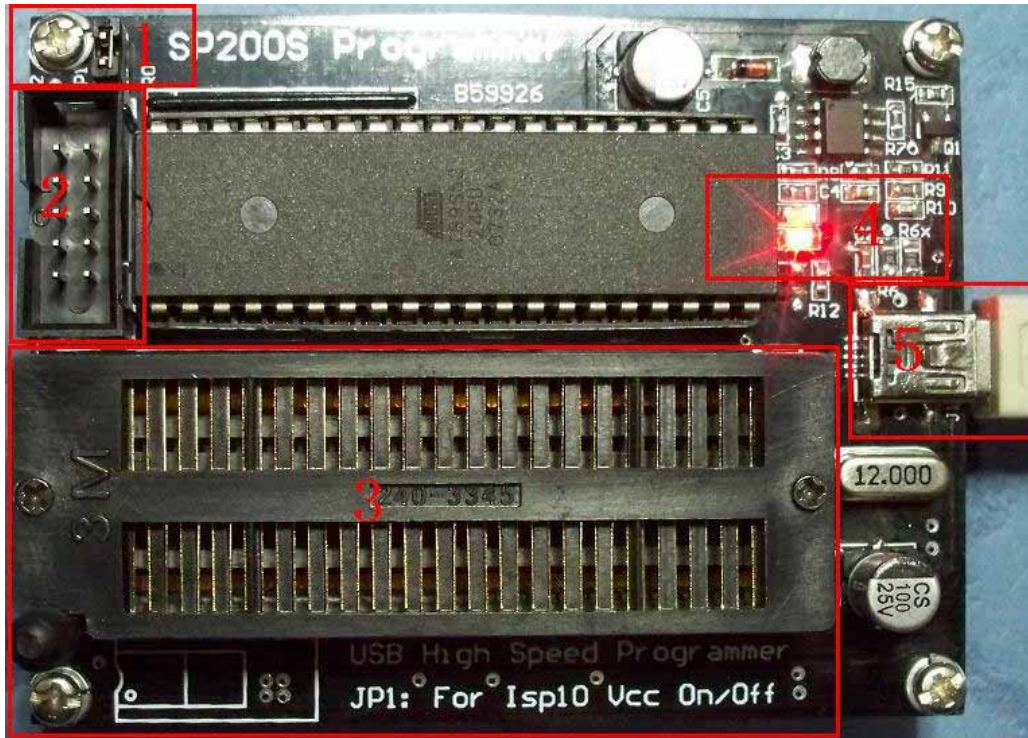## Second, programmer hardware and software characteristic

Hardware characteristic

● volume exquisite (an only name card big), the use carries very convenient

● the USB connection communication and the power supply, the communication speed is quick, does not need external power supply

● built-in CPU, the fever writes the speed to be quick, the succession is accurate, is not affected the computer disposition the

　● function to be perfect, the simplicity of operator, the hardware does not need any manual to establish

● the sole 40Pin locking place design, simultaneously supports 8PIN,20PIN and 40PIN chip

software characteristic

★ the friendly contact surface, the specialization entire functional design

★ formidable buffer editional function, supports the duplication, the packing, the logic operation, the data to support 8 with 16 to demonstrate that the

★ simplified Chinese user interface (soon promotes multi-language version)

★ to support WIN98SE/ME/2K/XP/Vista the operating system

★ system disposition to request lowly, the movement stable

★ programming order is rich, contains the programming, the read, the cleaning, Zha Kong, the verification, the encryption (to write locks localization), the read-write fuse position, the read-write to match the setting…

★ statistics function, counts the fever to write successful and defeat's quantity

★ automatic series number function automatically, is suitable in only reads to the productID the data

★ support automatic programming operation (is equal in batch run), and may from define its operation content

★ recent listed files function, but loads had used the document

★ recent component tabulation function fast, but changes the component has used for the near future other component

★ programming operation sound to prompt the

★ document change automatic reloading fast, is suitable in phase of exploitation fast renewal

chip content

The first step: Installs the USB actuation as well as the SP200S control software (SP200S do not connect the USB line); SP200S the suite use's USB chip is PL2303HX, moves PL-2303 Driver Installer.exe to install the USB actuation, moves WLPRO_SETUP.exe to install SP200S the control software. If is the Vista system, pays respects installs PL2303 the Vsita special-purpose actuation.

the second step: Inserts the USB line, moves the SP200S software, the software auto search connection programmer, if succeeds, the software opens the main contact surface normally, following chart 1 (first movement software, if is Chinese article contact surface, may click on the top right-hand corner Language menu to carry on cut):
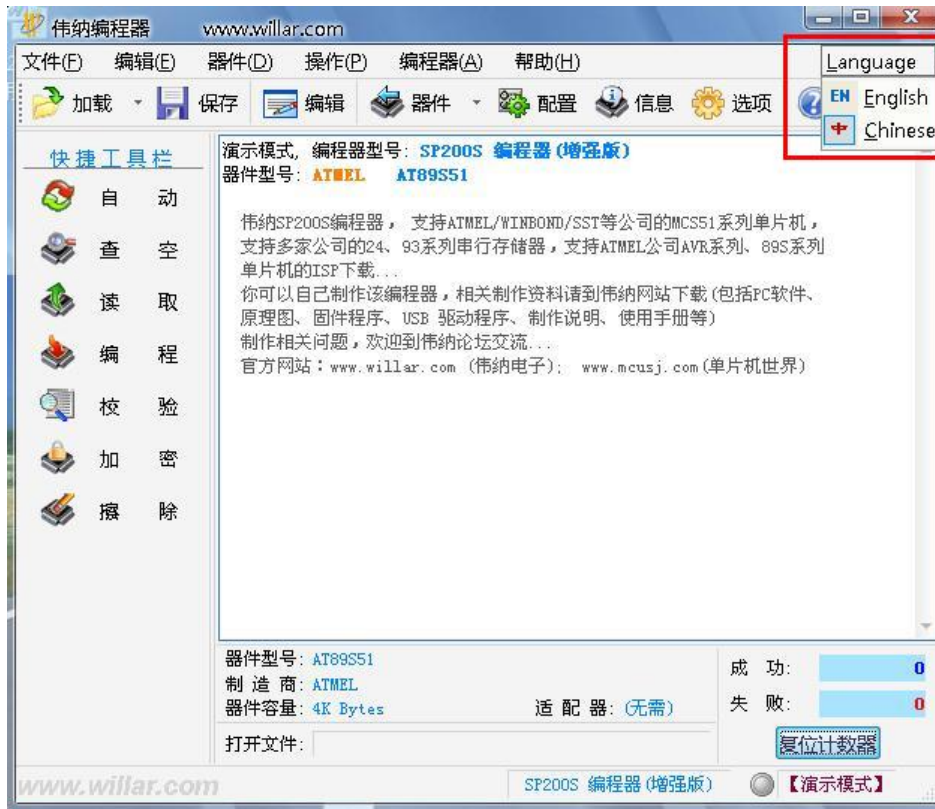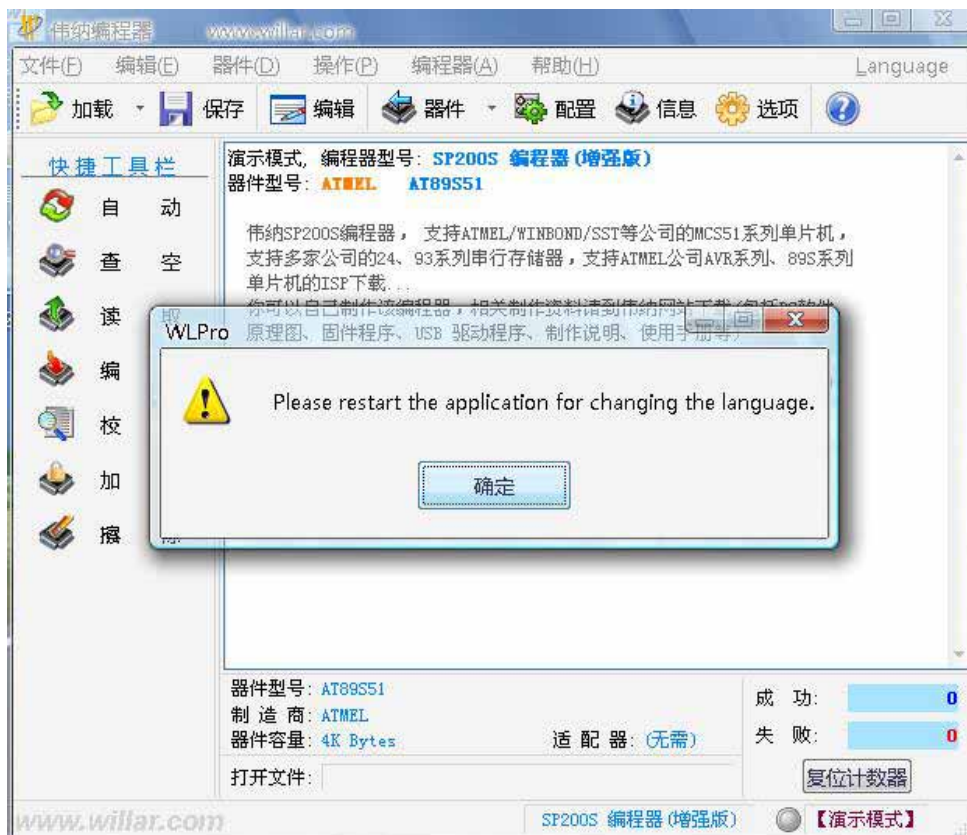

Figure 1

Figure 2

Figure 3

According to Figure 3 the prompt, closes the programmer software contact surface first, double-clicked turns on the software to be possible to see English contact surface; Following shown in Figure 4.
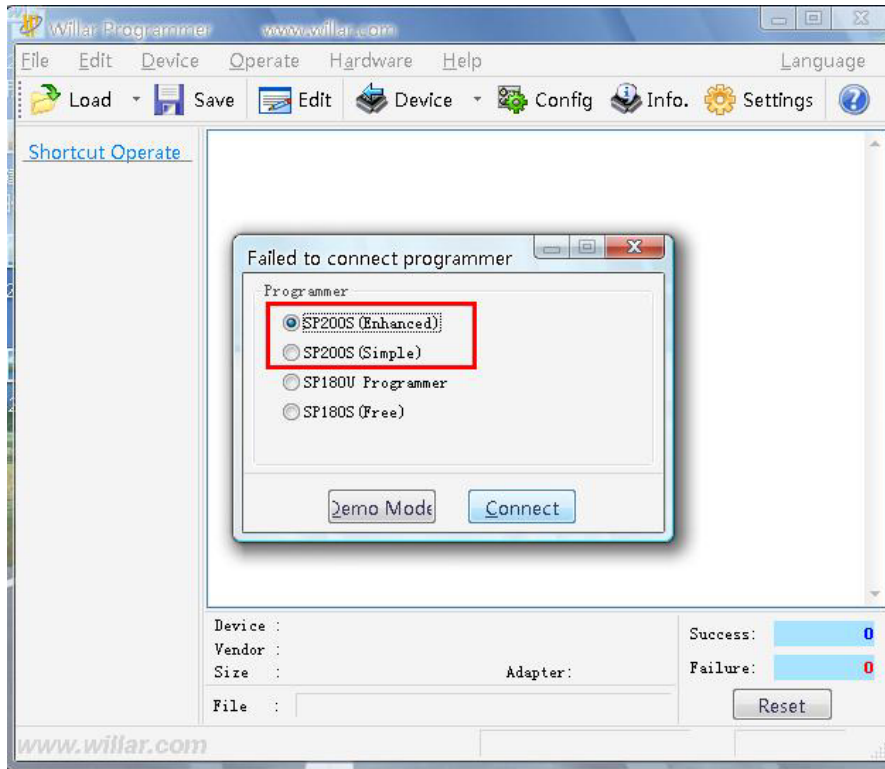

Figure 4

The third step: Chooses SP200S (Enhanced) or SP200S(Simple), clicks on the Connect button to be possible to enter the programming contact surface, following shown in Figure 5;
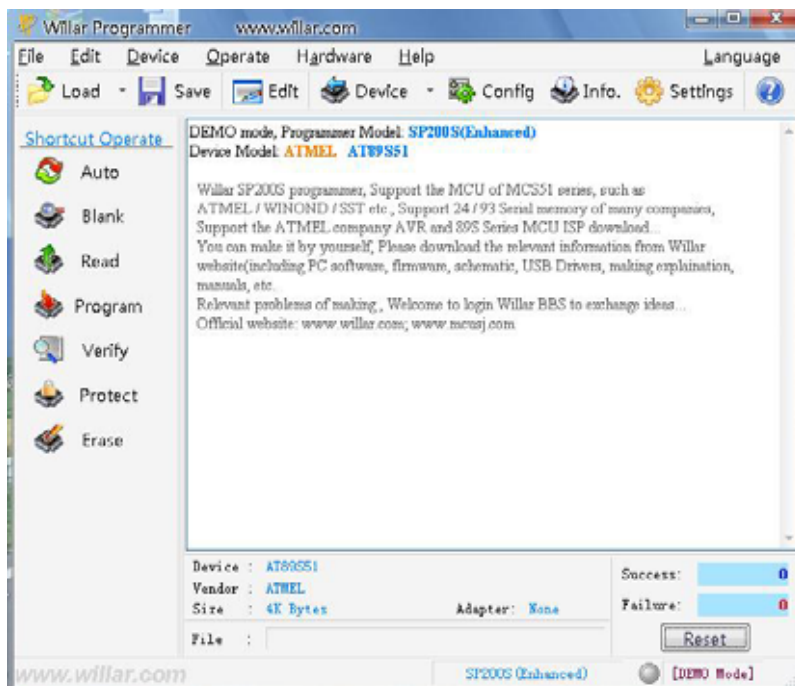

Figure 5

The fourth step: The choice needs to program the chip model, according to the toolbar in DEVICE button, may choose the chip model which you need; Following shown in Figure 6.

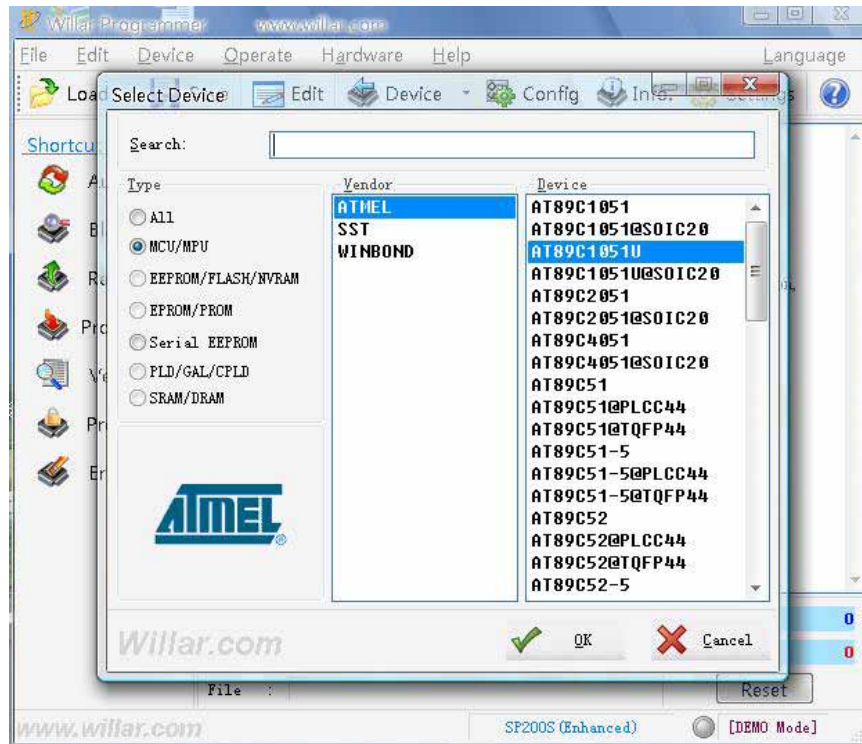Figure 6

The fifth step: Will choose the good chip later according to the OK determination to be possible, then, will load BIN which or the HEX document you must burn write; Following shown in Figure 7, will present as shown in Figure according to the OPEN button 8 the contact surface, loaded directly according to OK is successful! Like Figure 9.

Figure 7

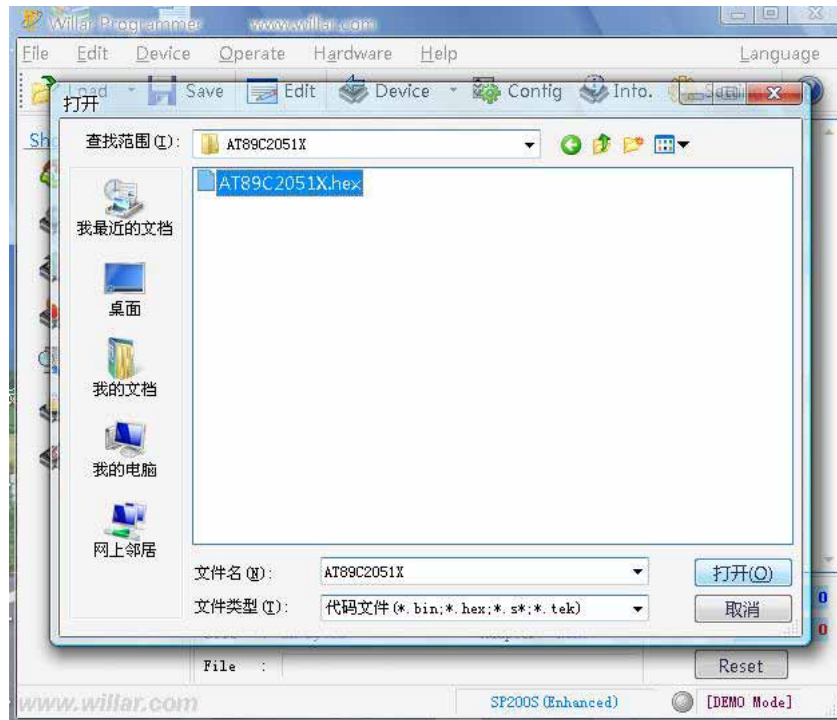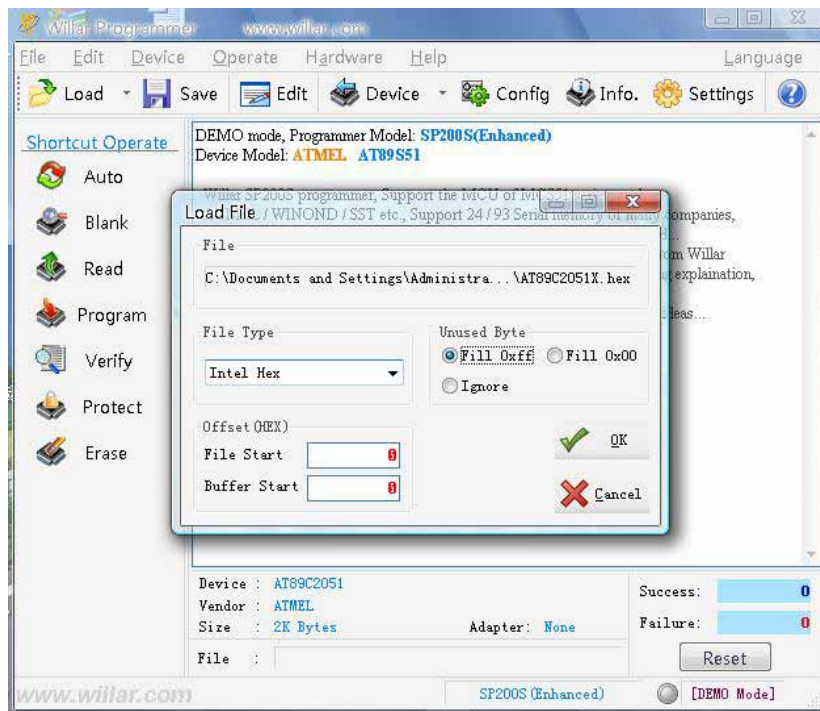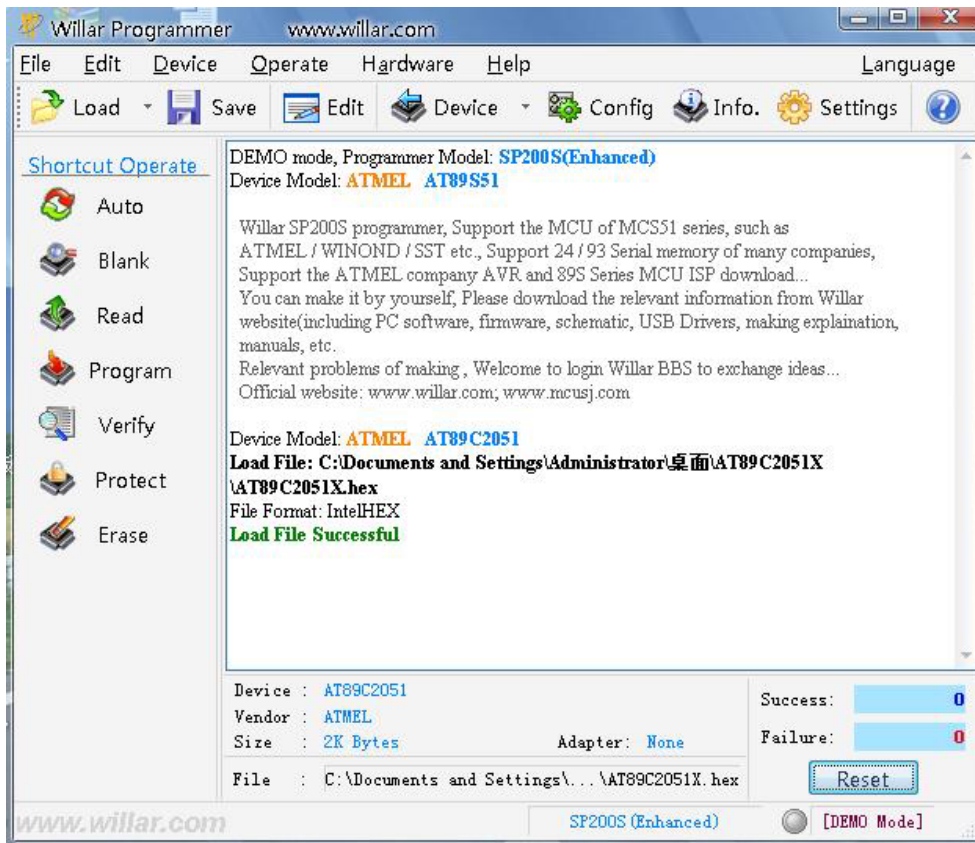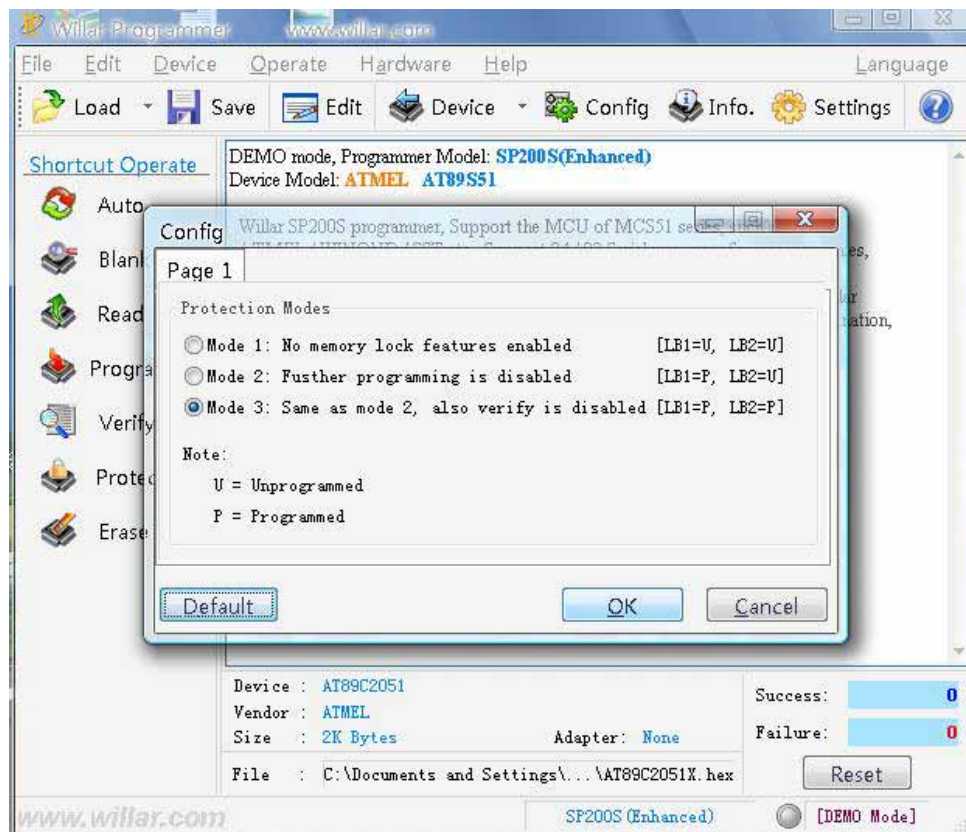Figure 8

Figure 9

Figure 10

The sixth step: Opens the config disposition contact surface, after establishing matches the setting, according to OK then; As shown in Figure 10.

The seventh step: Then starts according to the left side tool button fence's AUTO button to program the chip, like Figure 11; After the fever writes successfully, will prompt programs successfully!
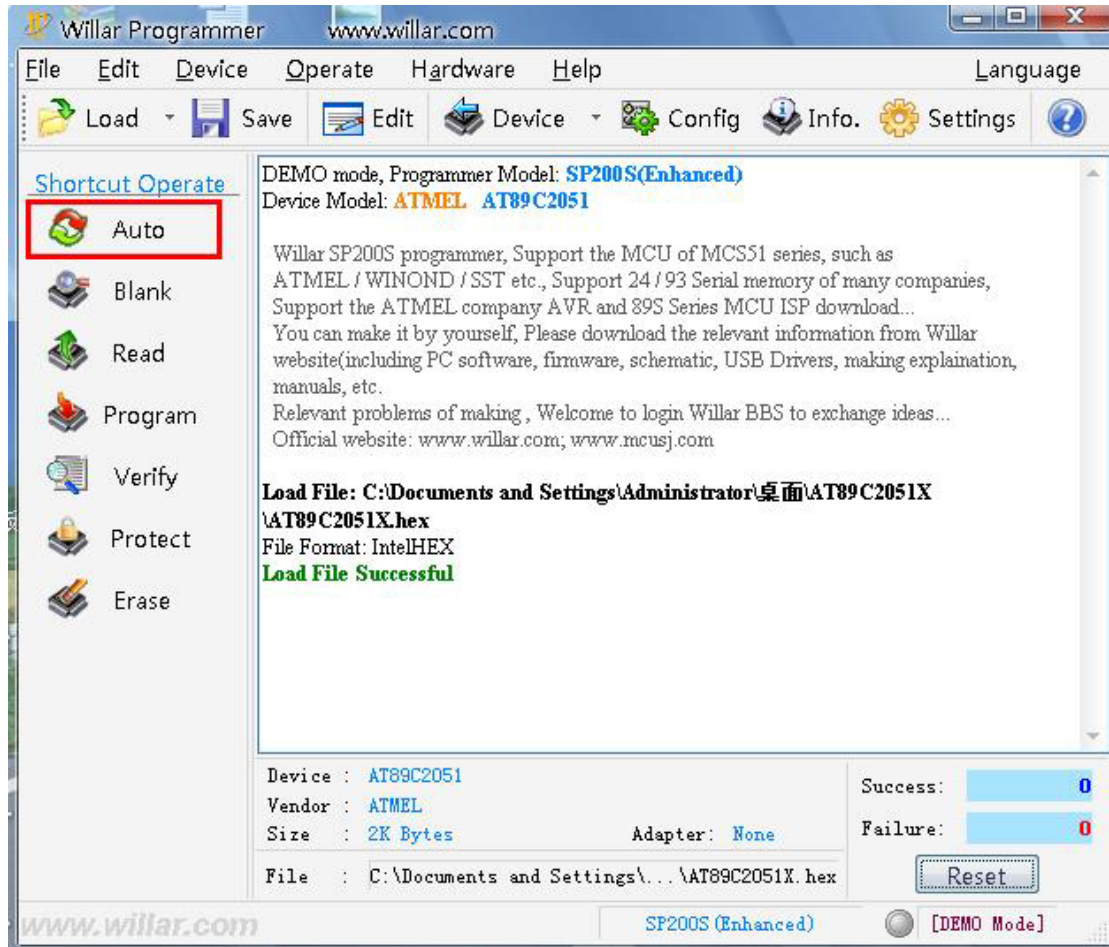

Figure 11

The ordinary version - supports the component to tabulate in detail

DEVICES SUPPORT

Programmer model   SP200S (ordinary version)

Manufacturer
quantity   3

Component quantity 68

Refresh time   2007-11-28

ATMEL [MCU/MPU]

AT89C51	AT89C51@PLCC44	AT89C51@TQFP44	AT89C52
AT89C52@PLCC44	AT89C52@TQFP44	AT89S51	AT89S51@PLCC44
AT89S51@TQFP44	AT89S52	AT89S52@PLCC44	AT89S52@TQFP44
AT89S53	AT89S53@PLCC44	AT89S8252	AT89S8252@PLCC44
AT89C1051	AT89C1051@SOIC20	AT89C2051	AT89C2051@SOIC20
AT89C4051	AT89C4051@SOIC20		

ATMEL [Serial EEPROM]

AT93C46	AT93C46@SOIC8	AT93C56	AT93C56@SOIC8
AT93C66	AT93C66@SOIC8	AT24C01	AT24C01@SOIC8
AT24C02	AT24C02@SOIC8	AT24C04	AT24C04@SOIC8
AT24C08	AT24C08@SOIC8	AT24C16	AT24C16@SOIC8
AT24C164	AT24C164@SOIC8	AT24C32	AT24C32@SOIC8
AT24C64	AT24C64@SOIC8		

SST [MCU/MPU]

SST89C54	SST89C54@PLCC44	SST89C54@TQFP44	SST89C58
SST89C58@PLCC44	SST89C58@TQFP44	SST89C59	SST89C59@PLCC44
SST89C59@TQFP44	SST89E54RD	SST89E54RD@PLCC44	SST89E54RD@TQFP44
SST89E58RD	SST89E58RD@PLCC44	SST89E58RD@TQFP44	SST89E554RC
SST89E554RC@PLCC44	SST89E554RC@TQFP44		

WINBOND [MCU/MPU]

W78E51	W78E51@PLCC44	W78E51@TQFP44	W78E52
W78E52@PLCC44	W78E52@TQFP44		

DEVICES SUPPORT

Programmer model   SP200S（Strengthens the version）

Manufacturer quantity 5

Component quantity   336

Refresh time   2007-11-30

ATMEL［MCU/MPU］

AT89LS51	AT89LS51@PLCC44	AT89LS51@TQFP44	AT89LS52
AT89LS52@PLCC44	AT89LS52@TQFP44	AT89LS53	AT89LS53@PLCC44
AT89LS53@TQFP44	AT89LS8252	AT89LS8252@PLCC44	AT89C51
AT89C51@PLCC44	AT89C51@TQFP44	AT89C52	AT89C52@PLCC44
AT89C52@TQFP44	AT89C51-5	AT89C51-5@PLCC44	AT89C51-5@TQFP44
AT89C52-5	AT89C52-5@PLCC44	AT89C52-5@TQFP44	AT89S52
AT89S52@PLCC44	AT89S52@TQFP44	AT89S53	AT89S53@PLCC44
AT89S8252	AT89S8252@PLCC44	AT89C1051	AT89C1051@SOIC20
AT89C1051U	AT89C1051U@SOIC20	AT89C2051	AT89C2051@SOIC20
AT89C4051	AT89C4051@SOIC20	ATmega8515@ISP	ATmega8515L@ISP
ATmega88@ISP	ATmega48@ISP	ATmega168@ISP	ATmega16@ISP
ATmega16L@ISP	ATmega8@ISP	ATmega8L@ISP	ATmega8535@ISP
ATmega8535L@ISP	ATtiny2313@ISP	ATtiny2313V@ISP	ATtiny26@ISP
ATtiny26L@ISP	AT89S51	AT89S51@PLCC44	AT89S51@TQFP44
AT89S51@ISP	AT89S52@ISP	AT89LS52@ISP	AT89LS51@ISP

ATMEL ［Serial EEPROM］

AT93C46	AT93C46@SOIC8	AT93C57	AT93C57@SOIC8
AT93C56	AT93C56@SOIC8	AT93C66	AT93C66@SOIC8
AT93C46A	AT93C46A@SOIC8	AT93C46C	AT93C46C@SOIC8
AT24C01	AT24C01@SOIC8	AT24C02	AT24C02@SOIC8
AT24C04	AT24C04@SOIC8	AT24C08	AT24C08@SOIC8
AT24C16	AT24C16@SOIC8	AT24C164	AT24C164@SOIC8
AT24C32	AT24C32@SOIC8	AT24C64	AT24C64@SOIC8
AT24C128	AT24C128@SOIC8	AT24C256	AT24C256@SOIC8

MICROCHIP ［Serial EEPROM］

93AA46	93AA46@SOIC8	93AA56	93AA56@SOIC8
93AA66	93AA66@SOIC8	93AA46A	93AA46A@SOIC8

93AA46B	93AA46B@SOIC8	93AA46C	93AA46C@SOIC8
93LC46A	93LC46A@SOIC8	93LC46B	93LC46B@SOIC8
93LC46C	93LC46C@SOIC8	93C46A	93C46A@SOIC8
93C46B	93C46B@SOIC8	93C46C	93C46C@SOIC8
93AA56A	93AA56A@SOIC8	93AA56B	93AA56B@SOIC8
93AA56C	93AA56C@SOIC8	93LC56A	93LC56A@SOIC8
93LC56B	93LC56B@SOIC8	93LC56C	93LC56C@SOIC8
93C56A	93C56A@SOIC8	93C56B	93C56B@SOIC8
93C56C	93C56C@SOIC8	93AA66A	93AA66A@SOIC8
93AA66B	93AA66B@SOIC8	93AA66C	93AA66C@SOIC8
93LC66A	93LC66A@SOIC8	93LC66B	93LC66B@SOIC8
93LC66C	93LC66C@SOIC8	93C66A	93C66A@SOIC8
93C66B	93C66B@SOIC8	93C66C	93C66C@SOIC8
93AA76	93AA76@SOIC8	93AA86	93AA86@SOIC8
93C76	93C76@SOIC8	93C86	93C86@SOIC8
93LC76	93LC76@SOIC8	93LC46	93LC46@SOIC8
93LC56	93LC56@SOIC8	93LC66	93LC66@SOIC8
24AA00	24AA00@SOIC8	24LC00	24LC00@SOIC8
24C00	24C00@SOIC8	24AA01	24AA01@SOIC8
24LC01B	24LC01B@SOIC8	24AA014	24AA014@SOIC8
24C01B	24C01B@SOIC8	24C01C	24C01C@SOIC8
24AA02	24AA02@SOIC8	24LC02B	24LC02B@SOIC8
24AA024	24AA024@SOIC8	24AA025	24AA025@SOIC8
24C02B	24C02B@SOIC8	24C02C	24C02C@SOIC8
24C04A	24C04A@SOIC8	24AA04	24AA04@SOIC8
24LC04B	24LC04B@SOIC8	24AA08	24AA08@SOIC8
24C08B	24C08B@SOIC8	24AA08B	24AA08B@SOIC8
24LC08B	24LC08B@SOIC8	24C16B	24C16B@SOIC8
24AA16	24AA16@SOIC8	24AA164	24AA164@SOIC8
24AA174	24AA174@SOIC8	24LC164	24LC164@SOIC8
24LC174	24LC174@SOIC8	24LC16B	24LC16B@SOIC8
24C32	24C32@SOIC8	24AA32	24AA32@SOIC8
24AA32A	24AA32A@SOIC8	24LC32	24LC32@SOIC8
24LC32A	24LC32A@SOIC8	24C32A	24C32A@SOIC8
24AA64	24AA64@SOIC8	24LC64	24LC64@SOIC8
24FC32	24FC32@SOIC8	24FC65	24FC65@SOIC8
24AA128	24AA128@SOIC8	24LC128	24LC128@SOIC8
24FC128	24FC128@SOIC8	24AA256	24AA256@SOIC8
24LC256	24LC256@SOIC8	24FC256	24FC256@SOIC8

SST [MCU/MPU]

SST89C54	SST89C54@PLCC44	SST89C54@TQFP44	SST89C58
SST89C58@PLCC44	SST89C58@TQFP44	SST89C59	SST89C59@PLCC44
SST89C59@TQFP44	SST89E54RD	SST89E54RD@PLCC44	SST89E54RD@TQFP44
SST89E58RD	SST89E58RD@PLCC44	SST89E58RD@TQFP44	SST89E516RD
SST89E516RD@PLCC44	SST89E516RD@TQFP44	SST89E554RC	SST89E554RC@PLCC44
SST89E554RC@TQFP44	SST89E564RD	SST89E564RD@PLCC44	SST89E564RD@TQFP44
SST89E554A	SST89E554A@PLCC44	SST89E554A@TQFP44	SST89E52RD
SST89E52RD@PLCC44	SST89E52RD@TQFP44		

ST [Serial EEPROM]

M93C46	M93C46@SOIC8	M93C56	M93C56@SOIC8
M93C66	M93C66@SOIC8	M93C76	M93C76@SOIC8

WINBOND [MCU/MPU]

W78E51	W78E51@PLCC44	W78E51@TQFP44	W78E52
W78E52@PLCC44	W78E52@TQFP44	W78E54	W78E54@PLCC44
W78E54@TQFP44	W78E58	W78E58@PLCC44	W78E58@TQFP44
W78E51B	W78E51B@PLCC44	W78E51B@TQFP44	W78E52B
W78E52B@PLCC44	W78E52B@TQFP44	W78E54B	W78E54B@PLCC44
W78E54B@TQFP44	W78IE51	W78IE51@PLCC44	W78IE51@TQFP44
W78IE52	W78IE52@PLCC44	W78IE52@TQFP44	W78IE54
W78IE54@PLCC44	W78IE54@TQFP44	W78LE51	W78LE51@PLCC44
W78LE51@TQFP44	W78LE52	W78LE52@PLCC44	W78LE52@TQFP44
W78LE54	W78LE54@PLCC44	W78LE54@TQFP44	W78LE54C
W78LE54C@PLCC44	W78LE54C@TQFP44		

Explained: The SP200S programmer (strengthens version) to have the ISP downloading function, the tail decorates contains "@ISP" to express the ISP way support component model