

## Video Processor User Manual

## VSP 330



## RGBlink Science & Technology Co., Ltd.

The pictures and data in the user manual are reference only, check the real object!

# **CONTACT US**



**Headquarter:** S603 Weiye Building Torch Hi-Tech Industrial Development Zone Xiamen, Fujian Province, P.R.C

Shenzhen office: Room A05, Floor 4, Building 24, Industry factory Nanshan Science &

Technology Park, Shenzhen, Guangdong Province, P.R.C

Tel: +86-592-5771197 Fax: +86-592-5771202

E-mail: rgblinkcs@gmail.com http://www.rgblink.com

## Revision

Format	Time	ECO#	Description	Principal
1.0	2010-12-31	0000	Released	Lisa
1.1	2010-01-12	0001	<ul> <li>Based on the user manual, following information has been added:</li> <li>1. Connectors and connectivity;</li> <li>2. PC software instructions;</li> <li>3. Setup Communication by RS232</li> <li>4. Setup Communication by USB</li> <li>5. Download IP board software</li> </ul>	Lisa

## CONTENT

CONTACT US	2
Revision	2
1.0 Connectors and connectivity	1
1.1 Interface and control signal	1
2.0 Front Panel Operation	2
3.0 VSP 330 Menu	4
4.0 Customer Quick Setup Guide	13
5.0 PC control	14
6.0 Appendix	26

### 1.0 Connectors and connectivity

### 1.1 Interface and control signal



- 1. Small white push button, used only when upgrade the firmware;
- 2. Copper RJ45, used to connect the computer by 568B-568A twist-pair CAT5 cable;
- 3. USB interface, used to connect to the computer;
- 4. RS232 interface (RJ11), used to connect the computer;
- 5. HDMIA input interface. Input the signal from HD player, DVD, computer, and so on;
- 6. HDMIB input interface. Input the signal from HD player, DVD, computer, and so on;
- 7. HDMI LOOP OUT, used to loop input HDMI signal to next processor;
- 8~11.HDMI1~4, HDMI output connector;



HDMI1~4, DVI-I connector, HDMI1.3 compatible

12~13.Switch and Power



### 2.0 Front Panel Operation

Insert power cord and push power to ON position. LCD module on the front panel will show RGBLINK and go into self verification before it load last setting configuration and send processed image to the target monitor. For the first setup,CV1 input is default source. With front panel keyboard, user can operate VSP with menu display on LCD module.



- **1**, LCD Module: the menu to show the switching between bottons and transmission.
- **2**、Keyboard:

ESC: Push to exit from current selected item.

SEL: Push to confirm the current selected item

UP: Push to select item in up option;

DOWN: Push to select item in down option;

LEFT: Push to select left item;

RIGHT: Push to select right item;

HDMIA: Push to switch to HDMIA Input;

HDMIB: Push to switch to HDMIB Input

**HDMI1:** Push to HDMI1 output setting menu.

HDMI2: Push to HDMI2 output setting menu.

HDMI3: Push to HDMI3 output setting menu.

HDMI4: Push to HDMI4 output setting menu.



HDMI1~4 use standard DVI-I connector, which is compatible with HDMI

1.3, use HDMI to DVI cable to connect with HDMI source.

**SAVE1:** Switch to active user-defined mode1.

**SAVE2:** Switch to active user-defined mode2.

**SAVE3:** Switch to active user-defined mode3.

**SAVE4:** Switch to active user-defined mode4.

**SAVE5:**Switch to active user-defined mode5.



SAVE6: Switch to active user-defined mode6.

**AB:** Push to active seamless switch effects setting menu.

SCALE: Push to active HDMIA and HDMIB scale setting menu.

**FRE:** Push to freeze the video from live or live the video from freeze.

MENU: Push to go to main menu.

INF: Push to check the menu of input and output info, version and seriel NO.;

**OUT:** Push to active output format menu.

I/II: Push to set single picture mode or dual picture mode

SAVE: Push to go to save ready mode, and then push SAVE1、SAVE2、SAVE3、SAVE4、

SAVE5 or SAVE6 seperately will save the configuration.

Press Through mode, VSP 330 works in distribution mode.

Press Split input in Horizontal direction by zoom in input to 2 times, HDMI1 output is the same to HDMI3, and HDMI2 output is the same to HDMI 4.

Press Split input in Vertical direction by zoom in input to 2 times, HDMI1

output is the same to HDMI3, and HDMI2 output is the same to HDMI 4.

Press Split input in horizontal and vertical together with each 2 times, which means each output 1/4 of the original input.

Press Split input in Horizontal direction by zoom in input to 4 times, which means each output 1/4 of the original input.

Press E, Split input in Vertical direction by zoom in input to 4 times, which means each output 1/4 of the original input.



### 3.0 VSP 330 Menu

After initial, system menu will show as following:



User can connect the device with LAN Network, If there is connection, VSP 330 will

get a auto allocated IP address directly.

IP Address 192.168.1.100	

If there is no connection display will show DHCP Failed;

**DHCP** Failed

Push [MENU] button to access the main menu, as follow:

Touch [LEFT] / [RIGHT] button to select the left or right menu items. Before the

menu item, if there is a \* sign, means the menu item has been selected, you can push the

SEL key to enter its sub menu.

in "Dev Info" menu. Select it to show the information bout the input signal.

Short Cut: Push the 【INF】 button to get the Dev Info.

As following:

HDMIA:0X480X0 HDMIB:0X480X0

Push 【UP】/【DOWN】 to check the current format:



Output Format:	
1024x768x60	

Push **[UP]** / **[DOWN]** to check the current version:

Software Version 1.0

Push [UP] / [DOWN] to get the serial-number, user can get more service and

support with the serial number.

RGBLINK SN: 1234

Push [LEFT]/[RIGHT] button to select Recall, push SEL to do a Factory Reset; after

successful the menu shows:



Push [UP]/[DOWN] button to select the sub menu, users can select to use English

as menu language and loop-out for HDMIA or HDMIB.

>VSP 330 \*Language Loop out

Push [LEFT] / [RIGHT] button to select the sub menu of language as follow:

* Language Select	
> English	中文

Push 【LEFT】/【RIGHT】 button to select Loop out connection;



Loop out Select >HDMI A HDMI B

Push 【UP】/【DOWN】 button to select the sub menu to set timer.

>VSP 330 \*Time

Calendar

5

Push **[SEL]** button to go into Timer setting;





Push 【LEFT】/【RIGHT】 to activate the timer setting, when the left line shows the

character\*, means hour is editable, push UP/DOWN to change the minute or second;



Push **[**SEL**]** to enter Calendar setting; The date is shown on the left hand side, on the right shows the Day of the Week.



Push **[LEFT]** / **[**RIGHT] to activate date setting; When there appears the flashing character\* on the left of the date, current flashing parameter could be revised, push UP/DOWN to adjust the date.



Push **(UP)** / **(DOWN)** to enter the submenu AB Mode and Scale.



AB Mode including: full-screen switching, transparent full-screen switch, wipe off switch and so on.

Push **[LEFT]/[RIGHT]** to select AB Mode, all available mode including: CUT Switch, Wipe right shift, Wipe left shift, Wipe up shift, and Wipe down shift.



Push **[**SEL**]** to set fade in fade out duration time, press **[**UP**]**/**[**DOWN**]** to set seconds which ranges from 0.5 s to 30.0 s.



Dissolve Duration:	
>3.0 s	

Push 【SEL】 to confirm, enter into WIPE HARD Switch.

Setup AB Mode > WIPE HARD Switch

Setup AB Mode > WIPE SOFT Switch

Push **[UP]** / **[DOWN]**, there are several seamless switching modes as following:

WIPE Mode > WIPE RIGHT

WIPE Mode \*WIPE LEFT

WIPE Mode \*WIPE DOWN

WIPE Mode \*WIPE UP

WIPE Mode \*WIPE PLUS OUT

WIPE Mode \*WIPE CURTAIN OUT

WIPE Mode \*WIPE CENTER OUT





Scale A Height: >768

With PIP Picture in Picture mode, user can adjust X,Y position of sub picture, user can not adjust X,Y position of the main picture.





Push [LEFT] / [RIGHT] to set the value of coordinate X or Y;



Push 【OUT】 to go into output formats menu, push 【UP】/【DOWN】 to find the right output resolution which user may use, select 【HDMIA】, The output format would be the same with HDMIA, use HDMIB, output format would be the same with HDMIB.



Push **[UP]** / **[DOWN]** to find the resolution as shown:

Output Format: >1024x768x60

Push 【PIP】 to enter picture in picture mode, press this button to display the two video sources from HDMI1 and HDMI2:

Setup PIP mode Finished!

The device supports total 6 user configuration modes, when press 【SAVE】 button,

[SAVE1], [SAVE2], [SAVE3], [SAVE4], [SAVE5], [SAVE6] button will light up together and the menu will shows:

Save Setting To: Press ESC to Exit

Press **[**SAVE1**]** to save the current configuration to User Mode 1:

Save Setting To: SAVE1 Finished!

After user mode 1 saved, User Mode 1 will be recalled after the device power on (User do not make factory reset before that). Other user mode can be called if push the user mode



button separately.

Push 【HDMI1】、【HDMI2】、 【HDMI3】 or 【HDMI4】 to each output setting menu:

>HDMI1 \*TP Setup XP Setup

Push [UP] / [DOWN] shows:

Select TP Setup and push [SEL] to go into TEST Pattern setting menu, TEST Pattern is used to test monitor and signal stability:

On/Off

Push **[UP]** / **[DOWN]** to enable by ON or disable by Off of the TEST Pattern, select ON and push **[SEL]** to enter into TEST Pattern, the device offers following TEST Pattern Mode: standard horizontal and vertical color bar, horizontal and vertical gray scale, left rolling bar, right rolling bar, up rolling bar and down rolling bar, left incline rolling bar, right incline rolling bar.

>HDMI1	TP Mode
>Color Bar H	

Then push 【UP】/【DOWN】, as follows:

>HDMI1	TP Mode
>Color Bar V	

Push 【UP】/【DOWN】, as follows:

>HDMI1 TP Mode >Gray Bar H

Push 【UP】/【DOWN】, as follows:

>HDMI1	TP Mode
> Gray Bar V	

Push 【UP】/【DOWN】, as follows:

>HDMI1 TP Mode >Auto Color

Push [UP] / [DOWN] to go into Manual Color to change display color manually:



			>HDMI1 >Manual Color	TP Mode
Push	【SEL】	to g	go into Manual Color:	

>HDMI1 >R:000	G:000	TP Color B: 000

Push 【LEFT】/【RIGHT】 to chose the parameters, push 【UP】/【DOWN】 to set

the parameters:

Push 【UP】/【DOWN】, as follows

>HDMI1	TP Mode
>Roll Left	

Select Roll Left, Roll Right, Roll down, Roll Up, Roll Up Left or Roll Down Right. Push [SEL] to set the rolling bar, push[UP]/[DOWN] to set background and foreground colors; The device offers total 8 colors: white, yellow, sky blue, green, pink, red, blue and black.

Here is an example: select roll left

>HDMI1 >Yellow	TP Roll
>HDMI1 >Yellow	TP Back
>HDMI1 >Yellow	TP Fore

Push 【UP】/【DOWN】, as follows

>HDMI1	TP Mode
>Roll Right	

Push 【UP】/【DOWN】, as follows

>HDMI1 TP Mode >Roll Down

TP Mode

Push 【UP】/【DOWN】, as follows

>HDMI1	
>Roll Up	



#### Push 【UP】/【DOWN】, as follows

>HDMI1	TP Mode
>Roll Up Left	

Push 【UP】/【DOWN】, as follows

>HDMI1	TP Mode
>Roll Down Right	

Select XP Setup and press **[SEL]** to set horizontal position, push **[LEFT]** / **[RIGHT]** to adjust the parameter value:

>HDMI1	X Setup
<sup></sup> 23	

Push **[UP]** / **[DOWN]**, enter vertical position setting, push **[LEFT]** / **[RIGHT]** to adjust the parameter value:

>HDMI1	Y Setup
^23	

Select DE Setup to adjust image offset, push 【SEL】, DE image offset could be adjusted:

>HDMI1	DE On/Off
*ON	

Select ON to go into DE setting menu, push [UP] / [DOWN], [LEFT] / [RIGHT] to set the parameter value, as follows

>HDMI1 > 35	DE H Start
>HDMI1 > 35	DE V Start
>HDMI1 > 35	DE Width
>HDMI1 > 35	DE Height

DE H Start: Image horizontal position setting;

DE V Start: Image vertical position setting;

DE Width: Image width setting;

DE Height: Image height setting;



### 4.0 Customer Quick Setup Guide

- 1. Turn off the device;
- 2. According to project requirements, connect the necessary inputs and outputs, for the

cascade of other DVI device, use the cascade interface;

- 3. Power on the device
- 4. Choose the output format
- 5. Choose AB push effect
- 6. Select input channel
- 7. Select work mode
- 8. Set size and position of every output



### 5.0 PC control

VSP 330 control software interface is as following:



5.1 Software Introduce.

#### Language Option.



Language. The software supports Chinese and English version with language

selected.

#### Communication.



Device toolbar

Synchronization.





Click "Synchronization", Can sync the data from the VSP 330 in

communication to the software run on the PC, at the same time the data in the

EPROM can synchronize with the device.





确定

取消

#### Help



#### About.



Output resolution:User can choose different output resolution by selecting from pull down list.





输出分辨率	
1280×720@60	•
1280X720@60	~
1280X720@50	F
1920X1080@60	
1920X1080@50	
640X480@60	
800×600@60	-
1024X768@60	_
1280X1024@60	~

HDMI resolution: show the current HDMIA and HDMIB input resolution info.

HDMI 分辨率
PortA:1024x768@60
PortB:1024x768@60

#### Split mode of VSP 330

1. \_\_\_\_\_, Through mode, VSP 330 works in distribution mode. Each output is the same to current input mode;

2. [1], Split input in horizontal and vertical together with each 2 times, which means each output 1/4 of the original input.

3. Split input in Horizontal direction by zoom in input to 2 times, HDMI1 output is the same to HDMI3, and HDMI2 output is the same to HDMI 4.

4. Split input in Vertical direction by zoom in input to 2 times, HDMI1 output is the same to HDMI3, and HDMI2 output is the same to HDMI 4.

5. 5. Split input in Horizontal direction by zoom in input to 4 times, which means each output 1/4 of the original input.

6. E, Split input in Vertical direction by zoom in input to 4 times, which means each output 1/4 of the original input.

7. Split input in up 1/2 Horizontal direction by zoom in input to 4 times, which means each output 1/8 of the original input.

8. **5**, Split input in down 1/2 Horizontal direction by zoom in input to 4 times, which means each output 1/8 of the original input.



9. 9. Split input in left 1/2 Vertical direction by zoom in input to 4 times, which means each output 1/8 of the original input.

10. Split input in right 1/2 Vertical direction by zoom in input to 4 times, which means each output 1/8 of the original input.





PIP mode; Defaultly HDMIA is main picture, HDMIB input is sub picture.

#### Seamless switch effects



Click this button to set seamless switch effects for switch between HDMIA

and HDMIB inputs.

Image Split Drawing: shows the split images mode when the split button push.



User can save or delete all the operation log.

日志 しんしょう しんしょう しんしょう しんしょう 日志		
2009年41 72:26 17 0V/2020000001010000002 读声音输入液 2009年41 72:26 15 TVV220000000000000000000000000000000000	<	X

#### Information :

At the bottom of the software will show the model of the processor, here ise VSP 330,the software version, front firmware version, back firmware version and serial number of the processor.

COM1 Opened	VSP 330	[MCU SV-1.0]	[FFPGA DV-0.0	SV-0.0]	[BFPGA DV-0.0	SV-0.0]	[SN-1234]
-------------	---------	--------------	---------------	---------	---------------	---------	-----------



There are two system function pages, one is DVID4P which used to set function on split mode; GOOD page is used to set advance function like PIP,

seamless switch effects and so on.

#### **DVID4P: System Status Page**

User can check current split mode and system status.

DVID4P GU	עטנ		
System Statue	System Control	DDR Module	Pattern
Screen Mode			
Current Screer	Mode Straight		•
System Statue			
📃 DDR Initial	ization 📃 V	/ideo Input	

The Screen Mode is used for the user to check which split mode current VSP 330 works;

The System Status has two status, one is DDR initialization, which is used to check whether VSP 330 hardware is working in normal status. It is normal when check; Video Input is used to check whether input signal from HDMIA or HDMIB is correct. It is correct when checked.

#### **DVID4P: System Control**

There are two working modes for each output, one is Normal mode to output video which processed from inputs, Test Mode is used to output test pattern;

Output Control Register	
● Normal Mode○ Test Mode	

Straight function used to set each output as the same to the input.

The following in the pages are used to set each channel output video. For example, If user push Channel2 for Channel1, it means HDMI1 output video the same to HDMI2. If user check Straight, means HDMI1 output normal video which distribute default by the software.



Channel1				\$
⊙ Straight ◯ Channel1	◯ Channel2	◯ Channel3	🔿 Channel4	
Channel2				\$
◉ Straight ◯ Channel1	🔿 Channel2	◯ Channel3	⊖ Channel4	
Channel3				\$
◉ Straight ◯ Channel1	🔿 Channel2	◯ Channel3	🔿 Channel4	
Channel4				\$
⊙ Straight ⊖ Channel 1	🔿 Channel 2	🔿 Channel 3	◯ Channel 4	

#### **DVID4P: Video Module**

This page is used to test now, not comments to do any modification.

#### **DVID4P: DDR Module**

Only comments user to change the X,Y position for each output, to meet processed video area requirement.

Channel 1— X 0	<b>₽</b> Y 0		Char X
Channel 3— X 0	<b>€</b> Y 0	•	Char X

Channel 2— X 0	€Y0	\$
Channel 4— X 0	€Y0	•

#### **DVD4P: Pattern**

This is the page used to set test pattern output for each output, user check Pattern 1

means user will control HDMI1 output as test pattern. And Pattern2 is for HDMI2, Pattern 3 is for HDMI 3 and Pattern 4 is for HDMI4.

Pattern 1 Pattern 2	Pattern 3	Pattern 4	
---------------------	-----------	-----------	--

When user check the Pattern 1 to Pattern 4, the following page will be opened at the same time.



TP Mode Color Bar H	Pattern 1 Pattern 2 Pattern 3 Pattern 4	
	TP Mode Color Bar H	

User can select TP Mode such as Color Bar H from the list, and then the each output will output test pattern.

#### **Good Page**

When user want to use advance function of VSP 330, can push button under GOOD block.

GOOD		
	AB	₩

When user push PIP button . the page will be opened as following.

20

#### **GOOD-PIP**

DVID4P GOOD		
System Statue VideoPorts Image Fun Scale Video Module		
PIP -		
PIP		
Port B Display X 0 🖨 Y 0 🖨 Set		

User can change the X,Y position of the video from HDMIB input.

And user can push Scale page to set video size of HDMIA and HDMIB.

System Statue VideoPorts	Image Fun Scale Video Module
Scale A	8
Video Width 1024 😝	Video Height 768 🖨
EScaler	
Output Width 640 🚔	Output Height 480 🚖
Scale B	8
Video Width 🛛 1024 🚔	Video Height 🛛 768 😭
EScaler	
Output Width 400 🗲	Output Height 300 🚖
	Set

For the parameters Video Width and Video Height inside ScaleA and ScaleB, they are

used for further function, it is not use to change the value now.

Scale A		*
Video Width 1024	Video Height 🛛 768 🚔	

User can change the value of Output Width and Output Height inside EScaler, after

user change the value, should push "Set" button to active.

Resolution

And user can change the video size by plug image on the right.

When user push AB button AB, will open page as following, which is also inside Image Fun page, but change from PIP to Alpha.



System Statue Image Fun Scale
Alpha
Alpha
CUT Switch
The opening function     Switching Time       WIPE RIGHT     0.0S

[Alpha]: the equipment provide six seamless switching mode, image right shift, image moves left, image moves down, image upshifting and image fluctuation to move, image center to center around move on both sides

When opening [transparent switch], equipment provided with 6 kinds of seamless switching mode switch has a transparent soft change effect;

When closing [transparent switch], equipment provided with 6 kinds of seamless switching mode switch no transparent soft change effect

[fade in fade out time switch] range from 0.5s to 30.0s;

Click the option PORTA  $\rightarrow$  PORTB or PORTB  $\rightarrow$  PORTA, during the two video inputs switch, user will find the effects they choose.

#### **GOOD-Auto Config**

If user push button, VSP 330 will auto set the parameters, which is the same function to the front panel "Freeze" button.

### 5.2 Setup Communication by RS232

Use DB9 to RJ11 cable to control VSP 330 by its RS 232 port. DB9 should connect to PC com port or another device which has the com port; RJ11 port should connect to RS 232 port on VSP 330. As shown of the following picture.





After user get the right RS 232 port, open communication setting page by push button under Communication part, and the following dialog will be opened.

Comm Settings	2-1-2-	×
🔵 Serial		
CommPort	СОМЗ	*
BaudRate	115200	*
⊖ Ethernet		
Local Port	1000	۲
Remote Host	192.167.1.105	*
Remote Port	1000	۲
	ОК	Cancel

User should use the same CommPort to the PC or the control device in used, and use

Baudrate as 115200. After that, push OK to close the dialog.

Push	to setup communication with VSP 330, and will change to ,		
push 💌 will	close the communication and will change back to , which is ready		
for setup communication again.			
After success of setting up communication, it will show COM1: Opened., and will change to green			
	If user could not success to make communication, should check whether the		
	com part took place by another software.		



Ψ,

### 5.3 How to use a USB connection PC?

#### 1.Install the driver

Connect USB cable to VSP 330, another end to PC or laptop, power on VSP 330. For the first time to use the PC or laptop for VSP 330, it will ask for install the driver as following.



Choose from the list or the location of the USB driver, click "next" to continue.







After install is finished, user will find the PC detect this USB device, and will allocate a

COM port the USB. User can find this port inside device management of the system, which show as MCB2300 USB VCom port.



Setup with USB communication is the same to RS 232.



### 6.0 Appendix

### 6.1 Appendix I Download the IP software

1. First, connect the device with PC by network cable



2. Input VSP 330 network address in address bar: 192.168.0.100, enter the user name admin and password rgblink123 in the dialog box

the last gala		]
	//	
http://192.168.0.100/	¢ × ¢	空白页
ows 安全	×	Ŋ
于 VSP330 Device Server 的服务器 19	2.168.0.100 要求用户名和密	
	的用户名和密码(没有安全连接	
基本认证)。		输入用户名: admin
admin		
12任我的凭据		▲ 密码: rgblir
	确定取消	

3. Thirdly, click on FPGA Upgrade:

@ http://192.168.0.100/	server pages	
VSP330 Device Page	RGBlink 视诚	
[ FPGA Upgrade   Control Device 点击进入升级页	a   <mark>Graph</mark> ] 面	

4. Fourthly, click on **[**browse **]** to select upgrade, file name must be Preamp\_FPGA.bin or

← ⓒ / E ℃ × Ø File upload.cgi	
VSP330 Device Page	RGBlink 💰
Upgrade FPGA	
You can select files from your local PC and upload them to FPGA	o FPGA. Files will upgrade
Select a File to upgrade FPGA	点击选择升级文件,文 件名必须为: Preamp_FPGA.bin 或 Bakamp_FPGA.bin
E:\ARM\VSP330\FPGA\Bakamp_FPGA.bin 测览	
Attention:	
upgrade preamp FPGA: file name is "Preamp_FPGA.bin" upgrade bakamp FPGA: file name is "Bakamp_FPGA.bin"	点击发送等待升级
RGBlink (Xiamen) Corporation Ltd.	

Click Send ] to send and wait for upgrade





6. Upgrade Bakamp FPGA Success

### 6.2 Appendix II Download the IP software

Turn off the power, take the two coding switch to "ON" sate. As below:



Connect one side of the RJ11 download line to the RS232 on the video processor, and the

other side to be connected to the serial port on the PC.





Double click Flash Magic to run Flash Magic, setting as following:

Firstly, users can choose the right serial port, set the baud rate to 115200, choose LPC2368,

and to load the aim document (hex.document) of IP board upgrading.

Secondly, confirm the two option box by tick.

	Verify after programming
	Fill unused Flash
Erase all Flash+Security+Llks	Gen block checksums
Erase blocks used by Hex File	Execute

Finally, click the "Start" button.

🎲 Flash Magic - NON PRODUCTION USE ONLY 📃 🗖 🔀				
<u>F</u> ile <u>I</u> SP <u>O</u> pti	<u>F</u> ile <u>I</u> SP Options <u>T</u> ools <u>H</u> elp			
🗀 🗔 🔍 🗿 🐗 🖌 📕 🔈  💖 國 🚱 😂				
Step 1 - Communications Step 2 - Erase				
Device:	LPC2368 🗸	Erase block 0 (0x000000-0x000FFF)		
COM Port:	СОМ 1 🗸 🗸	Erase block 7 (0x001000-0x001FFF)		
Baud Rate:	115200 💌	Erase block 3 (0x003000-0x003FFF) Erase block 4 (0x004000-0x004FFF)		
Interface:	None (ISP) 🛛 🗸 🗸	Erase block 5 (0x005000-0x005FFF)		
Oscillator (MHz):	Oscillator (MHz): 12			
Step 3 - Hex File Hex File: E:\文档 \Backup\test_usb\uc150\uc150PRJ-base\2300_Http_de Browse Modified:星期四,十月 21, 2010, 14:44: more info				
Step 4 - Options		Step 5 - Start!		
Verify after programming Set Code Read Prot Start Fill unused Flash Gen block checksums Execute				
Download free 8051 and XA code examples using I2C, CAN, Flash, etc.				
www.esacademy.com/fag/progs				
1				

After download, exit the program, turn off the power, push the two white coding switch back

to default position. Power on VSP 330, check whether VSP 330 works well as version control.

	Flash Magic download website:
	http://rgblink.cn/_d269804420.htm

