9G-STM8 CXSTM8使用过程简介

一，准备STVD+CXSTM8+STM8软件包

1，在[http://www.st.com/mcu/familiesdocs-120.html](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.st.com%2Fmcu%2Ffamiliesdocs-120.html)  
    下载ST Visual Develop (STVD) 4.1.3 and ST Visual Programmer (STVP) 3.1.3 版本  
    sttoolset.exe  
    [http://www.st.com/stonline/products/support/micro/files/sttoolset.exe](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.st.com%2Fstonline%2Fproducts%2Fsupport%2Fmicro%2Ffiles%2Fsttoolset.exe)  
     
2，在[http://www.ourdev.cn/bbs/bbs\_content.jsp?bbs\_sn=3229327&bbs\_page\_no=1&bbs\_id=3020](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.ourdev.cn%2Fbbs%2Fbbs_content.jsp%3Fbbs_sn%3D3229327%26bbs_page_no%3D1%26bbs_id%3D3020)  
    下载CXSTM8 4.2.8 无需License，去除16K限制软件  
 CXSTM8.rar  
 [http://cache.ourdev.cn/bbs\_upload247021/files\_12/ourdev\_423629.rar](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fcache.ourdev.cn%2Fbbs_upload247021%2Ffiles_12%2Fourdev_423629.rar)  
 还有补丁  
 Cosmic.rar  
 [http://cache.ourdev.cn/bbs\_upload247021/files\_13/ourdev\_424179.rar](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fcache.ourdev.cn%2Fbbs_upload247021%2Ffiles_13%2Fourdev_424179.rar)  
 (试用限制版本[http://www.cosmicsoftware.com/cxstm8\_16k.exe](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.cosmicsoftware.com%2Fcxstm8_16k.exe))  
   
3，在[http://www.ourdev.cn/bbs/bbs\_content.jsp?bbs\_sn=3600882&bbs\_page\_no=7&bbs\_id=3020](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.ourdev.cn%2Fbbs%2Fbbs_content.jsp%3Fbbs_sn%3D3600882%26bbs_page_no%3D7%26bbs_id%3D3020)  
    下载STM8S105S4-PKT演示代码.zip  
    ourdev\_484758.zip  
 [http://cache.ourdev.cn/bbs\_upload247021/files\_19/ourdev\_484758.zip](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fcache.ourdev.cn%2Fbbs_upload247021%2Ffiles_19%2Fourdev_484758.zip)  
 STM8S105S4-PKT演示代码使用说明.pdf  
 ourdev\_484759.pdf  
 [http://cache.ourdev.cn/bbs\_upload247021/files\_19/ourdev\_484759.pdf](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fcache.ourdev.cn%2Fbbs_upload247021%2Ffiles_19%2Fourdev_484759.pdf)  
 其它相关资源：  
 如何开始STM8S系列单片机的开发  
 [http://images.stmicroelectronics.com.cn/stonline/mcu/images/STM8S\_development.pdf](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fimages.stmicroelectronics.com.cn%2Fstonline%2Fmcu%2Fimages%2FSTM8S_development.pdf)  
 STM8S体验系统板STM8S105S4-PKT用户手册  
 [http://download.ourdev.cn/bbs\_upload247021/files\_22/ourdev\_506732.pdf](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fdownload.ourdev.cn%2Fbbs_upload247021%2Ffiles_22%2Fourdev_506732.pdf)  
 开发板套件见连接：  
 [http://www.ourdev.cn/bbs/bbs\_content.jsp?bbs\_sn=3723427&bbs\_page\_no=1&bbs\_id=3020](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.ourdev.cn%2Fbbs%2Fbbs_content.jsp%3Fbbs_sn%3D3723427%26bbs_page_no%3D1%26bbs_id%3D3020)  
   
4，其它文档的下载地址如下：   
 [http://www.st.com/mcu/familiesdocs-120.html](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.st.com%2Fmcu%2Ffamiliesdocs-120.html)  
 [http://www.st.com/mcu/modules.php?name=mcu&file=familiesdocs&FAM=113](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.st.com%2Fmcu%2Fmodules.php%3Fname%3Dmcu%26file%3Dfamiliesdocs%26FAM%3D113)  
 [http://www.stmicroelectronics.com.cn/mcu/inchtml-pages-stm8l.html](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.stmicroelectronics.com.cn%2Fmcu%2Finchtml-pages-stm8l.html)  
 [http://www.stmicroelectronics.com.cn/mcu/inchtml-pages-stm8s.html](http://www.eefocus.com/blog/link2url.php?link=http%3A%2F%2Fwww.stmicroelectronics.com.cn%2Fmcu%2Finchtml-pages-stm8s.html)  
   
         
二，建立STVD+CXSTM8开发环境

1，双击sttoolset.exe，默认安装STVD和STVP到C盘的C:\Program Files\STMicroelectronics\st\_toolset  
 将会在桌面产生ST Visual Develop和ST Visual Programmer的快捷方式；

2，解压COSMIC.rar到C盘的C:\Program Files\STMicroelectronics；

3，双击桌面的ST Visual Develop，打开STVD工具，在Tools->Options下的Toolset页面的Toolset中选择  
 STM8 cosmic，在Root path中选择C:\Program Files\STMicroelectronics\CXSTM8，然后应用，确定；

三，连接开发工具

1，把ST-LINK的SWIM电缆连接在ST-LINK和STM8S105S4-PKT开发板之间，共有4个信号：TVCC，SWIM，GND，RESET；

2，对STM8S105S4-PKT开发板加上9V的直流电源，把ST-LINK用USB线连接到PC的USB口上；  
   
四，测试STM8S105S4-PKT演示工程

1，解压STM8S105S4-PKT演示代码.zip到PC上会得到一个Demo的目录；  
2，用STVD工具的File->Open Workspace打开Demo\Touch Sensing\STM8S\_EXAMPLE\_FW\Project\STVD\Cosmic\example.stw；  
3，用STVD工具的Debug instrument->Target Settings中的Debug Instrument Selection中选择Swim ST-LINK，应用，确定；  
4，用STVD工具的Build->Rebuild All全部重新编译代码；  
5，用STVD工具的Debug->Start Debugging下载代码到目标板上去；  
6，然后可以使用单步执行，全速执行等命令，然后每按一次K3,K2,K1,相应的LD2,LD3,LD4就会相应的改变亮灭状态一次；  
7，同样可以编译Demo\LED\Demo.stw和Demo\Music\Demo.stw等工程，查看LED流水灯和播放音乐。

五，用STVP+ST-LINK读写STM8

1，同样用ST-LINK的SWIM接口连接开发板和PC机，然后上电；  
2，双击ST Visual Programmer打开STVP；  
3，在STVP的Project->new 中建立一个新工程STM8S105S4-PKT.stp；  
4，然后选择Hardware的ST-LINK，和Device的STM8S105x6确定；  
5，用File->Open打开一个十六进制的HEX文件，然后用Program->All Tabs烧录进STM8去；  
6，同样也可以用Read->All Tabs，来读出STM8中所有的目标码。