

Serial Update Tool User Guide

Introduction

This tool can be used to update software in STB (Set Top Box) with Zoran chipset.

Install and Uninstall

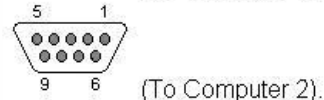
This tool needn't to be installed, just copy it to hard disk and run.

Preparing

- Serial cable between PC and STB, TXD,RXD should be crossed(i.e. DB9 cable pin2&3),see attached picture for detail.

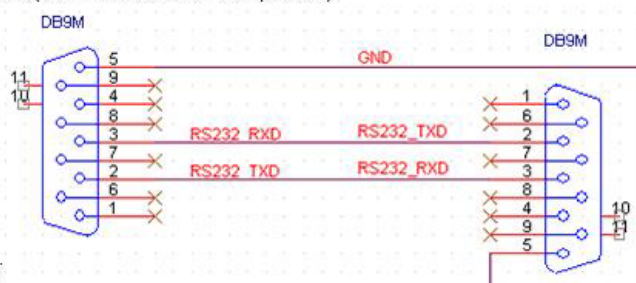
Nullmodem (9-9) Cable

Use this cable between two DTE devices (for instance two computers).



9 PIN D-SUB FEMALE to Computer 1.

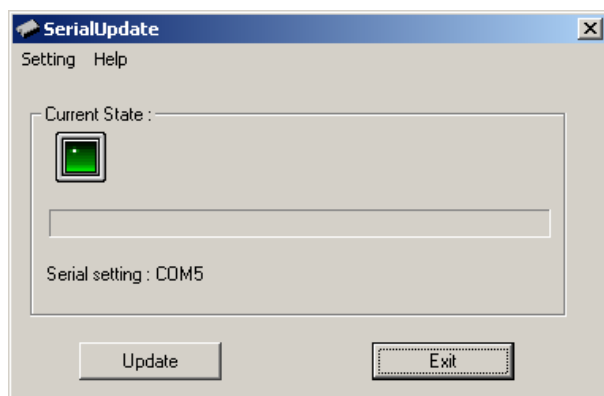
9 PIN D-SUB FEMALE to Computer 2.



	D-Sub 1	D-Sub 2	
Receive Data	2	3	Transmit Data
Transmit Data	3	2	Receive Data
Data Terminal Ready	4	6+1	Data Set Ready + Carrier Detect
System Ground	5	5	System Ground
Data Set Ready + Carrier Detect	6+1	4	Data Terminal Ready
Request to Send	7	8	Clear to Send
Clear to Send	8	7	Request to Send

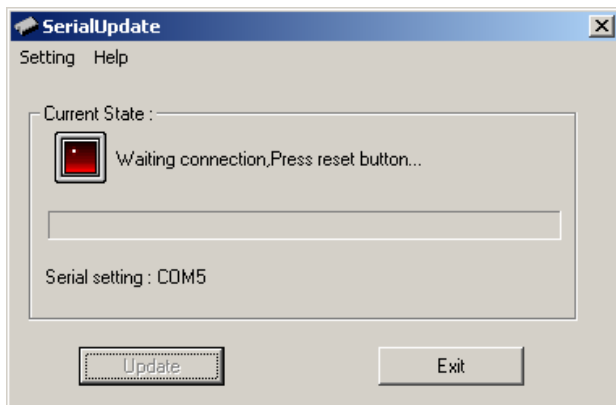
Upgrade step by step

- Turn on the power of STB and wait it work properly.
- use the serial cable to connect PC and STB.
- run this tool(SerialUpdate.exe), you can see the following main window:



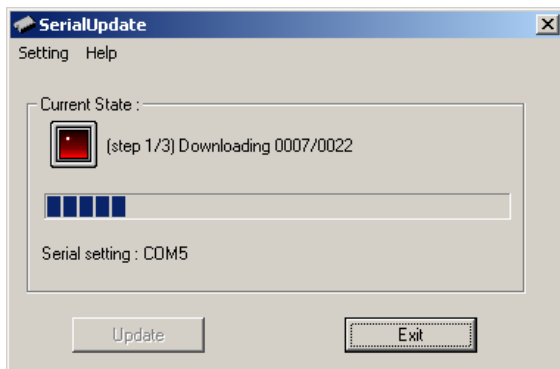
from the window you can find the current COM port, and you can change it by select “Setting”, “System Setting” from menu.

4. After select the correct COM port, click the “Update” button, the following window showed waiting connection.

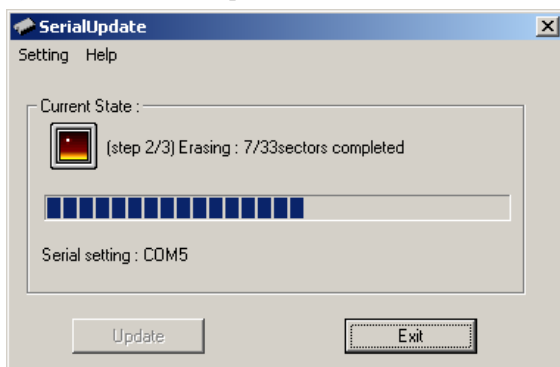


5. Power off the STB then power on again, update process will start. Some information will show on TV simultaneously. There are three step:

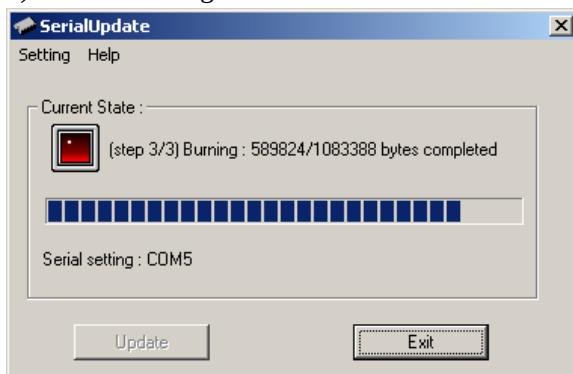
- 1) the first step is to download software packages into STB.



- 2) The second step is to erase the old software,



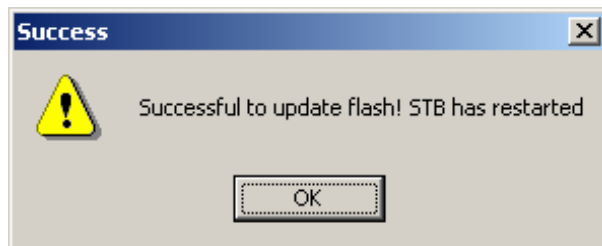
- 3) Then burning the new software into the flash.



Note: Sometimes if you see warning like below during step 2(Erasing) or step 3(Burning), don't power off the STB until the STB restarted himself in 2 or 3 minutes(you can know from front panel or TV screen). Otherwise you may make the SW inside crashed.



4) At last, update successfully.

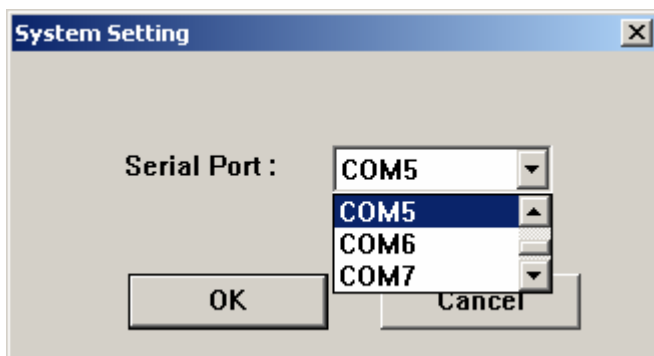


Q/A

1. Q: I received the message “failed to open serial port!” after I click the “Update” button, why?

A: There may be two reasons:

- 1) The current COM port is used by another program (such as HyperTerminal). Please close it then start update again.
- 2) The current COM port isn't correct, please choose the property COM port by select “Setting”, “System Setting” from menu.

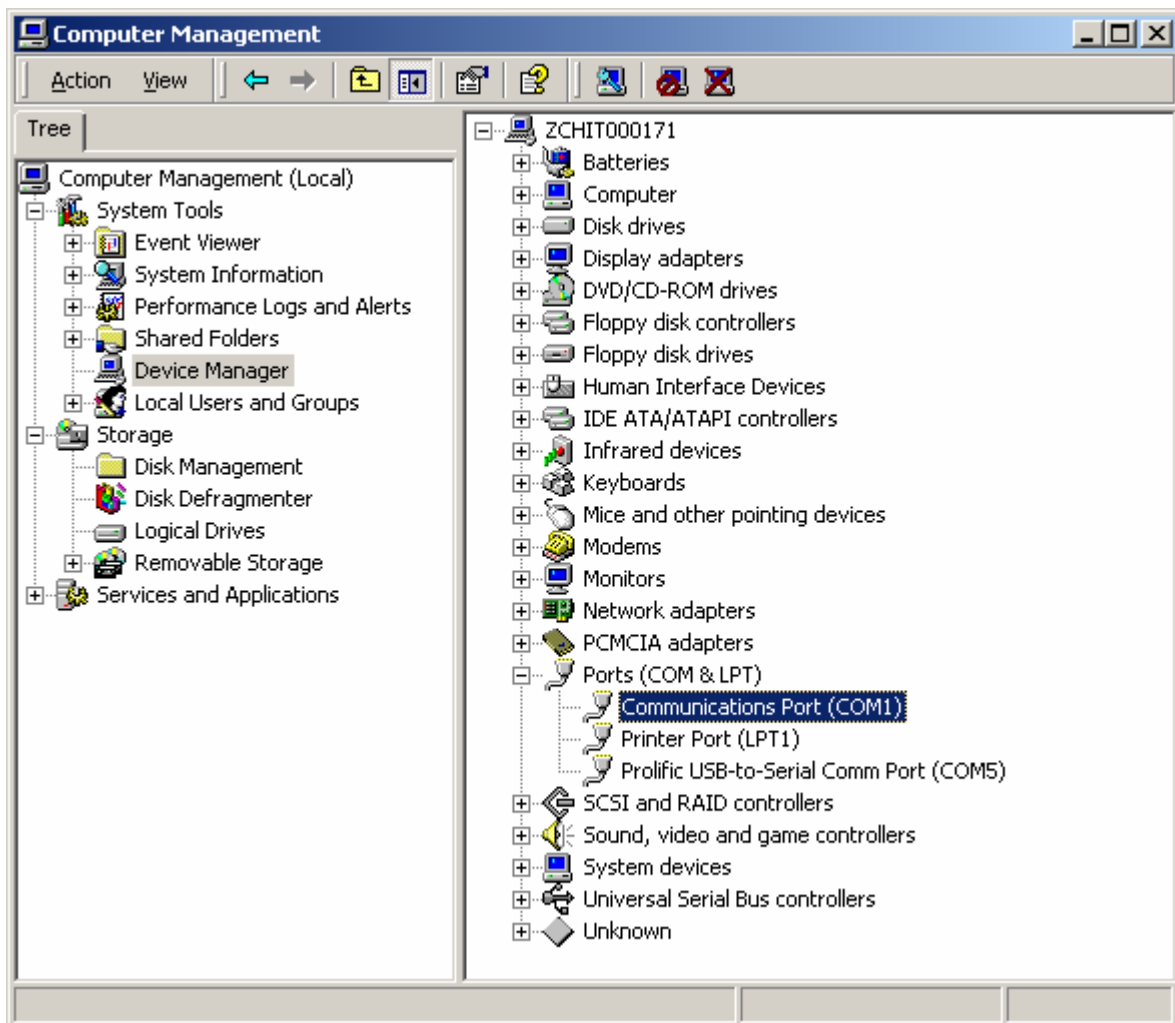


2. Q: After I click the “Update” button, and power off the STB then power on it again, the update process didn't start but waiting connection, why?

A: Firstly, check the serial connection line is correctly connected, if does, may be the hardware problem, please contract the provider.

3. Q: How to choose the correct COM port?

A: Take the Windows 2000, for example, right click “my computer”, then “manage”, click “Device Manager” in the left column, then click “Ports(COM & LPT)” in the right column, you will see all the COM ports used in this system as the following picture shows:



Sometime there are several COM ports be used such as COM1 and COM5, and you can't tell which port is used to update software, in this case, you just try it one by one till you find the correct one.

4. Q: The system crash or power off during update, what will be happened and how to deal with it?
A: It doesn't matter, mostly, you just update again step by step.