This upgrading method used for below situations:

- 1. Cannot upgrade by SD Card.
- 2. The device cannot go to main desktop, and repeat in "Loading" or start up "Logo"
- 3. The process often terminated unexpectedly

#### Note:

- Close the antivirus on PC, before you upgrade
- Back up your data in device, before upgrading, they will be deleted after upgrading
- If your windows system is not Chinese, please make sure the "Tool" is in the English directory.
- In Win7 and Vista system, you need to use the "Administrator" to run the "Tool"

## **Upgrading Guide**

- step one \_Install the driver
- step two\_Erase firmware
- step three\_Erase IDB
- step four\_ Firmware burn
- step five\_Release

# step one \_Install the driver

1. Install USB Driver [If you have installed it before, you can start "step two"]



2. Right Click on "my computer" icon and Choose "mange".



3. Choose Device Manager, and find "rk2918 sdk"



4. Right Click on "rk2918 sdk" and Choose "update driver software"



5. Choose "Browse my computer for driver software locate and install driver software manually."



6. Choose the directory of the driver. Such as: "step one \_Install the driver\ADB\_driver\_r03-windows"



#### 7. Press "install"

	win7系統USB升级使用说明.docx - Microsoft Word		_ • ×
ガロ コル      レ	Here strong and the second se		AoBbccDd         A         計查找           强调         更改样式         读。 替换           透耀         选择         选择
	Image: Service and Application         Image: Service and Application              Image: Service and Application              Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application             Image: Service and Application                   Image: Service and Application <td>Actions Device Manager More Actions</td> <td></td>	Actions Device Manager More Actions	
· (八回: 5/16 子叙: 940 (5) 多			
	💟 🚫 🛀 win7系统USB升级 🔐 Computer Manag 📗 Update Driver Sof 🗮 Windows Security		EN 🔺 🕪 🛱 😼 3/14/2012

8. Finish installing driver, and start "step two"



## Step two、 Erase firmware

1. Run "erase.bat" in file [step two\_Erase firmware]

	s SEED 栄 /E) seefference und ste muid	A standard Error Granussa			
Organize - 🖬 Open	Print New folder	· Acploide contentionale			
Urganize ♥ () Open () Pavorites E Deskop Downloads Recent Places Charaises Music Pictures Videos Videos Videos Videos Computer E Stable (F) E Stable (F) Removable Dak (G) Robert (H) Removable Dak (H) Removable Dak (H) Removable Dak (H)	Print     New Yolder       Image: State of the s	AdbwfnApidl 2000 Android ADB API iturbComm.dll	AdWorkbAqidU 20.00 Android ADB API (Winkba)	ROPERTURY 201 bytes ROPERTURY 201 bytes	Fi Fi 33 bytes
erase.bat	Date modified: 3/7/2012 15:24	Date created: 3/14/2012 09:55			
Windows Batch	File Size: 251 bytes	📙 step two、Erase fi 🚺 🌔	S Computer Manag	系统USB升级	EN (1) 10:07 3/14/2012

2. After Running, it likes the below picture:

organize · Bopen	Print New folder				t: • 🔟 🔞
★ Favorites ■ Desktop ▶ Downloads ₩ Recent Places	adb.exe 3/14/2012 09:55 401 KB readme.txt Text Document 22 buter	AdbWinApidll 20.0 Android ADB API rkusbComm.dll	AdbWinUsbApi.dll 2.0.0 Android ADB API (WinUsb) RkubComm.exe 3/4/2012 09:55	erase.bat Windows Batch File 251 bytes PROPERTIES File 201 Indee	es File 38 bytes
Documents	52 5903		23L NO		
<ul> <li>J Music</li> <li>■ Pictures</li> <li>■ Videos</li> </ul>		™ C:Windows\system32\cmd.exe F:\software update guide\step two?Ei * daemon not running. starting_it n	rase firmware)adb devices w on port 5837 *		
🍓 Homegroup		Createrrocess failure, error 123 * failed to start daemon * error: cannot connect to daemon			
Computer  Swindows 7 (C:)  WinXP (D:)  Computed Local Disk (E:)  系形地巻 (F:)  Removable Disk (G:)  ROCK-CHIPS (H:)		Prosftware undate guidevatep two?E	rase firmware)pause		
🗣 Network				-	

3. Press "Enter" once, it likes below picture(need to press 4 times):



4. Press "Enter" again, it likes below picture:



5. Press "Enter" thirdly:



6. Press "Enter" fourthly:



7. Input "batch es" and Press "Enter", it likes below picture:

Compute	r ) 新加懋 (F) ) software update guide ) step two. Ersse firmware	✓ 4y Search step two. Erase firmware
Organize 👻 🧾 Open	Print New folder	
★ Favorites ■ Desktop ♪ Downloads ₩ Recent Places	shore         AdWindpildl         2000         AdWindpildl         2000 </th <th>es File 38 bytes</th>	es File 38 bytes
Computer Computer Computer Videos Videos Videos Videos Videos Videos Videos Videos Computer VinXP (D) Computer VinXP (D) Computer Computer Computer Computer Computer VinXP (D) Computer Comput	Startender         Startender           Startender         Startender	
🚱  🤁 Google 🖩	## 📙 software update 📙 step two、Erase 💟 🚫 🦣 Computer Man 🕋 win7系统USB升 🔤 C:\Windows\sy	5.png - Paint EN ()) 10:10 3/14/2012

8. After above steps, you can close the window, and go to file: [step three\_Erase IDB]

😋 🔾 🗢 🕌 🕨 Compute	r 🕨 新加卷 (F:) 🕨 software update guid	de 🕨 step two、Erase firmware	terrest the state		<ul> <li>Search step two. Erase firmware</li> </ul>
Organize 👻 🎒 Open	<ul> <li>Print New folder</li> </ul>				tr • □ €
🚖 Favorites	adb.exe	AdbWinApi.dll	AdbWinUsbApi.dll	erase.bat	es
Derkton	3/14/2012 09:55	2.0.0.0	2.0.0.0	Windows Batch File	File
~					
🕒 🍚 🗢 👃 🕨 Compute	r	de 🕨 step two、Erase firmware			Search step two, Erase firmware
Organize 🔻 🦳 Open	<ul> <li>Print New folder</li> </ul>				
🔆 Favorites	adb.exe	AdbWinApi.dll	AdbWinUsbApi.dll	erase.bat	es
🧮 Desktop	401 KB	Android ADB API	Android ADB API (WinUsb)	251 bytes	38 bytes
🐞 Downloads	mmb, readme bt		RkushComm eve	source properties	
强 Recent Places	Text Document 92 bytes	rkusbComm.dll	3/14/2012 09:55 132 KB	PROPERTIES File 301 bytes	
🥽 Libraries					
Documents					
🚽 Music					
Pictures		Windows\system32\cmd.exe			
😸 Videos	dev/z	ero of=/dev/block/mtdblock5 bs=:	1K count=10	<b>^</b>	
	F:\so Press	ftware update guide\step two?Er	ase firmware>pause	<b>E</b>	
🝓 Homegroup	Files	ftuame undate guide\sten tuo?Fm	ace finanane ctant adh chell neboot		
_	P.V. and	ferrare undets midel stop tur?En			
Normputer	Press	any key to continue	ase rirware/pause		
🏭 windows 7 (C:)	F:\so	ftware update guide\step two?Er	ase firnware≻RkusbConn		
G WinXP (D:)	*****	Test RkUsb command	***************************************		
Local Disk (E:)	× You	can - enter 'h' for list all c	ppnandt *		
→ 新加老(E)	*	- enter 'q' for exit progra	an! *		
Removable Disk (G:)		===== RockUsb: UID=0x071B, PID	=Ø×3228 ========		
KOCK-CHIP3 (H.)	RKUSB	> batch es			
🔂 Network	RKUSB	> sdid 0x2207 0x290A (BAICH CMD) > es 0 0 100 F (BAICH CMD)	)		
- INCLINOIN	No Bo	RockUsb: UID-0x2207, PID ckUsb devices found!	-0×290A		
	Conti	nue perform next command(y/n)?		-	

- Step Three, Erase IDB
- 1. Go to file: 【step three\_Erase IDB】, and Run "RKAndroidTool.exe"



2. After Running, it likes below picture:

When you see "Found RKAndroid Loader Rock Usb", please choose the first item in below picture. (there is a circle marked with number 2)

DKAs desident	
RKAndroidTool	
<b>W</b> 1.3.4.0	

3. After you choose first item, you can see below picture and load the file: "RK29xxLoader(L)\_DDR3\_400Mhz\_V1.70.bin"

Organize 🔻 💼 Open	New folder				ş: • □ 6
★ Favorites Desktop Downloads Secent Places     Secent Places	Language File folder Setting.ini Configuration :	Log File folder	config.cfg CF6 File 2.46 KB	Rk29xxLoader(L)_DDR3_4 70.bin BIN File	00Mhz_VI. RKAndroidTool.exe RKAndroidTool 134.0
<ul> <li>⇒ Libraries</li> <li>&gt; Documents</li> <li>&gt; Music</li> <li>&gt; Pictures</li> <li>Pictures</li> <li>♥ Videos</li> <li>♥ Homegroup</li> <li>♥ Computer</li> <li>✓ WinXP (C:)</li> <li>→ WinXP (C:)</li> <li>→ Local Disk (E:)</li> <li>→ 新知道(F;)</li> <li>♥ Network</li> </ul>		RKAndroidTool v1.34           P1 stb         Res           #         Address           #         Address           2.         Ox00000000           3.         Ox00000000           5.         Ox00000000           6.         Ox00000000           8.         Ox00000000           8.         Ox00000000           8.         Ox00000000           8.         Ox00000000           Los der Ver:         Name	ree_Ensee IDB		
RKAndroidTool	Lexe Date modified: 12/8/2	011 09-45 Date created: 3/14/2012 09-55			

4. After you load the file: "RK29xxLoader(L)\_DDR3\_400Mhz\_V1.70.bin", please choose the first item again(there is a circle marked with number 1), then please press "EraseIDB"

Organize 👻 🖬 Open	New folder				• • • • • • • • • • • • • • • • • • •	
☆ Favorites ■ Desktop ▶ Downloads № Recent Places	Language File folder setting.ini Configuration s	Log File folder	CPG File 2.46 KB	RK29xxLoader(L)_DDR3_400Mhz 70.bin BIN File	KLV1. RKAndroidTool.exe RKAndroidTool 1.34.0	
Libraries     Decuments     Music     Pictures     Pictures     Videos     Moniegroup     Computer     windows 7 (C)     Windows 7 (		KKndvidiTol vl.34         Itame         Ita	dale guderateg three. Era polae guderateg three. Era av ter Rock Usb	I Start to areas IB I Start to areas IB I Start to lover format, fotal (D), Current (B) Lover format (D), Current (B) I range IB OK I ra		

5. If you finish erasing IDB, it likes below picture(also you can see "Not found RKAndroid Loader Rock Usb"):

🕒 🗸 🕌 🕨 Computer	▶ 新加卷 (F:) ▶ software	update guide 🔸 step three_Erase IDB 🔸		• 43	Search step three_Erase IDB
Organize 👻 🖬 Open	New folder				÷ - 🔟 🔞
☆ Favorites ■ Desktop ₩ Downloads ₩ Recent Places	Language File folder Setting.ini Configuration se 404 bytes	Log File folder	CFG File 2.46 KB	RK29xcLoader(L)_DDR3_400Mhz_V1. 70.bin BIN File	RKAndroidTool.exe RKAndroidTool 13.4.0
Documents		KAndroidTool v1.34			
Music     Pictures     Videos		Flash Nfs Ran # Address Name Path		NFO:Start to eraze IDB NFO:Start to lower format NFO:Doing Lower format, Total(0), Current(8) NFO:Lower format OK NFO:Erasing IDB OK	
<ul> <li>✓ Homegroup</li> <li>✓ Computer</li> <li>▲ windows 7 (C:)</li> <li>→ WinXP (D:)</li> <li>→ Local Disk (E:)</li> <li>→ 新加巻 (F:)</li> </ul>		Image         Image <th< td=""><td>Crice guide/step three_Era</td><td>NYO Shart to erase IB (Shart to lear format The Ving Leve (notat, Total (0), Current (6) NYO rear format (X NYO rearing IDB (M</td><td></td></th<>	Crice guide/step three_Era	NYO Shart to erase IB (Shart to lear format The Ving Leve (notat, Total (0), Current (6) NYO rear format (X NYO rearing IDB (M	
🗣 Network		Lorder Ver:1.70 Run Clex No Found RKAndroid	r ErsseIDB	· · · ·	
RKAndroidTool. Application	exe Date modified: 12/8/20 Size: 540 KB	11 09:45 Date created: 3/14/2012 09:55			
📀 🤌 🚺	step three_Erase I	🔰 🚫 🕋 win7系统USB升级 👰 7.pr	ng - Paint RKAndroid To	pol v	EN 12:29 3/14/2012

6. When "Not found RKAndroid Loader Rock Usb" changes to ""Found RKAndroid Loader Rock Usb", please press "EraseIDB" one time again.

Computer	▶ 新加卷 (F:) ▶ software u	pdate guide 🕨 step three_Erase IDB 🔸		•	Search step three_Erase IDB
Favorites Desktop Downloads Recent Places	Language File folder Setting.ini Configuration set 404 bytes	Log File folder	CFG File 2.46 KB	RK29x4Leader(1)_DDR3_400Mhz_V1 70.bin BDV File	RKAndroidTooLexe RKAndroidTooL 1340
Ebbaries Deventes Mountess Mountess Mountess Pictures Videos Videos Videos Computer WinNP(R) Local Disk(p) Estable (p) Mountess		RKAndroidTool v1.34           Flash         Ms         Ram           #         Address         Name         Path           #         V Colosion000         Leaser         Path           2         0x00000000         parameter         Pashware           3         0x00000000         kernel         5         bro0000000         recovery           7         0x00000000         recovery         7         bro0000000         backup           8         0x00000000         backup         backup         backup         backup	Prompt Erasing IDB OK OK Erave189	C 0 23 1970.5twit to areas 118 1970.5twit to lever format 1970.box [areas format] 1970.box [areas format] 1970.5twit to areas 118 1970.5twit	
RKAndroidTool. Application	.exe Date modified: 12/8/201 Size: 540 K8 step three_Erase L.	Found RKAndroid Loa I 0945 Date created: 3/14/2012 09:55 S M wn7%50/050/48	der Rock Usb	floolv	EN 🔺 (4) 1229 3/14/2012

### Step Four, Firmware burn

1. Run the tool " RKBatchTool.exe" in file { step four\_ Firmware burn }



2. After you Run the tool, it likes below picture:

Note:

a. If the device connected	with PC, the	position in circle	e 1 is Green Col	or
a. If the acvice connected	with t c, the	position in circle		51

b. you can press Circle 2 to Browse the firmware

c. When the device is upgrading, the circle 1 changes to Yellow and flash

						_ 0 ×
🕒 🚽 🍌 🕨 Computer	▶ 新加卷 (F:) ▶ software updat	e guide 🔸 step four_ Firmware burn	•			<ul> <li>Search step four_Firmware burn</li> </ul>
Organize 🔻 📑 Open	New folder					t: • □ 0
☆ Favorites ■ Desktop ₩ Downloads ₩ Recent Places	Language File folder update_v1.2.08_0306_1 g Disc Image File	Log File folder		UID File folder	configuration settings 1.36 KB 2010	RKBatchTooLexe RKBatchTool 1400
Computer Co		FW Path FW Ver: BOOT Ver:	FW Time: BOOT Time:	Support Chip:		
🗣 Network	C	1 5-2	2	3	8	
RKBatchTool.ex	e Date modified: 8/25/2011 10:12 Size: 944 KB	Language Populate	Restore S	witch Clear	Save Exit	
📀 🧀 🚺	step four_ Firmwa	S III win7系统USB升级。	对 7.png - Paint	Rockchip Batch T		EN (0) 12:30 3/14/2012

3. Please Circle 2 to Browse the firmware, the firmware is in file: 【step four\_Install Firmware】, named "update\_v1.2.08\_0302\_1817\_EU75\_DDR433.img"

Organize 👻 🛅 Open	New folder	·································	
Y Favorites     E Desktop     Downloads     Recent Places     Downments     Music     Pictures     Vides     Vides     Vides     Vides     Computer     Mindows 7(C)     Local Disk (E)     Local Disk (E)     Mindow 7(C)     Mindows 7(C)	Language File folder Undate_v12.08.030 Disc Image File	The BAX DEERS     9/8     8/4     #/8     108       Calibri (BXXX)     10.5     A     */9     10.4     AsBbcco Ac       Rockchip Betch Tool V1.4     Image Information     Image Information     Image Information       FW Ver:     BOOT Time:     Support Chip:     Image Information       BOOT Ver:     BOOT Time:     Date modified     1       Log     31/4/20212146     Fi       Log     31/4/20212146     Fi       UID     UID     31/4/20212146     Fi       Fier rate:     updage     31/4/20212146     Fi       Sc     6     7     8	
RKBatchTool.ex	2 Date modified: 8/26/2011 10:	2 Language Upgrade Restore Switch Crear Save Exit	

4. After you load the firmware, you can press "upgrade" to start upgrading.

	r 、 新加奈 (Fi) 、 coftware updat	nuide k step faur. Eirmunse hum k		- da Search stea four. Simouran hum
Organize 👻 🖃 Open	New folder	anae - stériear-immareaun -		
× Favorites     Eveltop     Dexitop     Dexitop     Deviloads     Recent Places     Placures     Placures     Placures     Videos     Music     Placures     Videos     Monigroup     Computer     windows 7(c)     Window 7(c)     Window 7(c)     Computer     Stable (F)     Network     Network	Language File folder Disc Image File	Log Log Reschip Batch Tool v1.4 Firmware Information PV Patr: F.Visffvers spdate guid4/step fore_Firmware hum/update_v1.2.09,0006_1166_0003 in PV Ver: 0.2.00 PV Ver: 0.2.00 PV Ver: 0.2.00 PV Time: 2012-03-06 11:45:51 Support Chip: NESP BOOT Time: 2012-03-06 11:45:51 Support Chip: NESP Support Chip: NESP Su	Ently and a settings	REPart/Produce Repart of the second s
RKBatchTool.ex Application	xe Date modified: 8/26/2011 10:12 Size: 944 KB	Date created: 3/14/2012 09:55		
📀 🥭 🕕	step four_ Firmwa	S 響 win7系统USB升级 🧭 7.png - Paint 下		EN (12:31 3/14/2012

5. In process of upgrading, the Yellow light is flashing, it likes below picture:

-			_ 0 ×
🕞 🕞 🗸 📙 🕨 Computer	▶ 新加卷 (F:) ▶ software updat	e guide 🕨 step four_Firmware burn 🕨	<ul> <li>Search step four_Firmware burn</li> </ul>
Organize 👻 💼 Open	New folder		: • I 0
Organite ♥	Vectoder  Lefetoder  Lefetoder  update_v12.06_0306_j  g Disc Image File	Log       Log       Log       Configure         Rockchip Batch Tool VLA       Image: Configure       Configure       Configure         Wirmam In: Finisher guise quick du'sts four, Firemers humanydate, v1.2 c0.0000,1146,0000. int       Image: Configure       Image: Configure         Wirmam In: State Guise quick	RKBachTools RKBachTools 14.00
RKBatchToolexx Application	P Date modified: 8/26/2011 10:12 Size: 944 KB	Language Upgrade Restore Switch Clear Save Esit Date created: 3/14/2012 09:55	EN () 12.33
			3/14/2012

### Step Five, Release Firmware

 After you finish upgrading, please connect the device with TV set to release firmware. (After upgrading, you also can wait 2 to 3 minutes to release firmware then connect to TV to check) Below is the picture of releasing firmware, then it will reboot:



2. Reboot and go to main desktop:



Upgrading Finish!